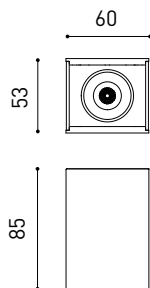




DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 2700K NT
Reference	A3201010NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

BLACK FOSTER SURF 1 2700K NT

A3201010NT

Textured black

9005

SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	190 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

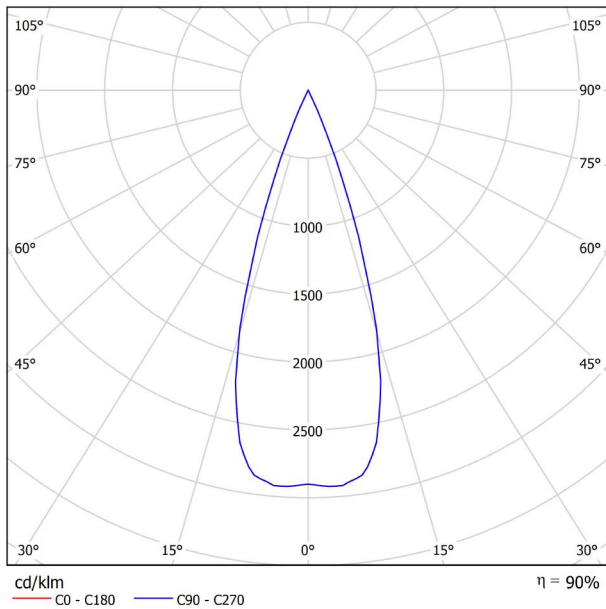
OTHER DATA

Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

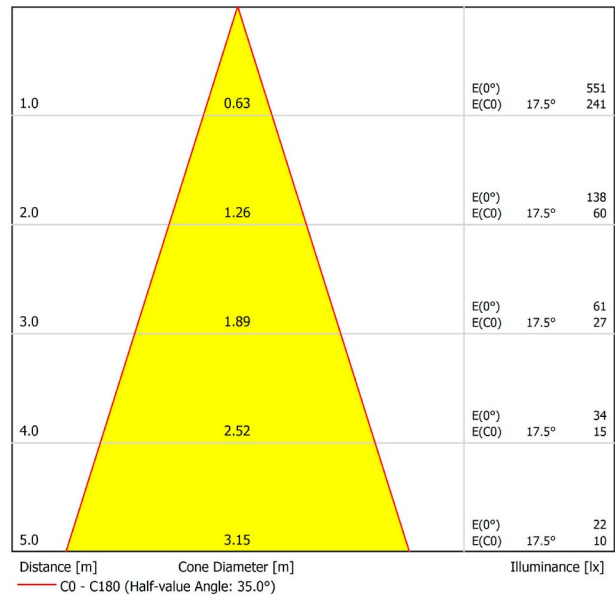


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

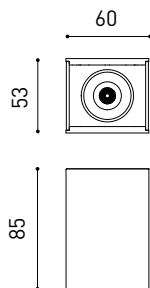


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-6.7	-6.1	-6.4	-5.9	-5.7	-6.7	-6.1	-6.4	-5.9	-5.7	
	3H	-6.8	-6.2	-6.5	-6.0	-5.8	-6.8	-6.2	-6.5	-6.0	-5.8	
	4H	-6.9	-6.4	-6.6	-6.1	-5.8	-6.9	-6.4	-6.6	-6.1	-5.8	
	6H	-7.0	-6.5	-6.6	-6.2	-5.9	-7.0	-6.5	-6.6	-6.2	-5.9	
	8H	-7.0	-6.5	-6.7	-6.2	-5.9	-7.0	-6.5	-6.7	-6.2	-5.9	
4H	12H	-7.0	-6.6	-6.7	-6.3	-6.0	-7.0	-6.6	-6.7	-6.3	-6.0	
	2H	-6.9	-6.4	-6.6	-6.1	-5.8	-6.9	-6.4	-6.6	-6.1	-5.8	
	3H	-7.0	-6.6	-6.7	-6.3	-6.0	-7.0	-6.6	-6.7	-6.3	-6.0	
	4H	-7.1	-6.7	-6.7	-6.4	-6.1	-7.1	-6.7	-6.7	-6.4	-6.1	
	6H	-7.2	-6.9	-6.8	-6.5	-6.1	-7.2	-6.9	-6.8	-6.5	-6.1	
8H	8H	-7.2	-6.9	-6.8	-6.6	-6.2	-7.2	-6.9	-6.8	-6.6	-6.2	
	12H	-7.3	-7.0	-6.8	-6.6	-6.2	-7.3	-7.0	-6.8	-6.6	-6.2	
	4H	-7.2	-6.9	-6.8	-6.6	-6.2	-7.2	-6.9	-6.8	-6.6	-6.2	
	6H	-7.3	-7.1	-6.9	-6.7	-6.2	-7.3	-7.1	-6.9	-6.7	-6.2	
	8H	-7.4	-7.2	-6.9	-6.8	-6.3	-7.4	-7.2	-6.9	-6.8	-6.3	
12H	12H	-7.4	-7.3	-6.9	-6.8	-6.3	-7.4	-7.3	-6.9	-6.8	-6.3	
	4H	-7.3	-7.0	-6.8	-6.6	-6.2	-7.3	-7.0	-6.8	-6.6	-6.2	
	6H	-7.4	-7.2	-6.9	-6.8	-6.3	-7.4	-7.2	-6.9	-6.8	-6.3	
	8H	-7.4	-7.3	-6.9	-6.8	-6.3	-7.4	-7.3	-6.9	-6.8	-6.3	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.0 / 0.0					+0.0 / 0.0					
S = 1.5H		+0.0 / 0.0					+0.0 / 0.0					
S = 2.0H		+0.0 / 0.0					+0.0 / 0.0					
Standard table		BK00					BK00					
Correction Summand		-20.0					-20.0					
Corrected Glare Indices referring to 190lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 2700K WT
Reference	A3201010WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	190 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

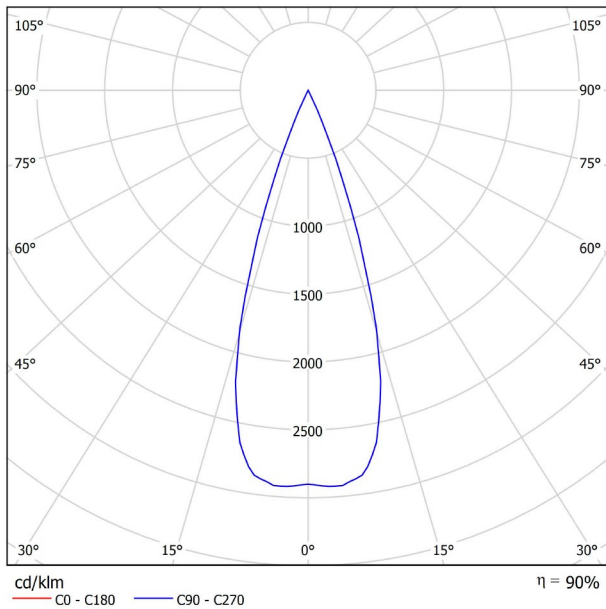
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

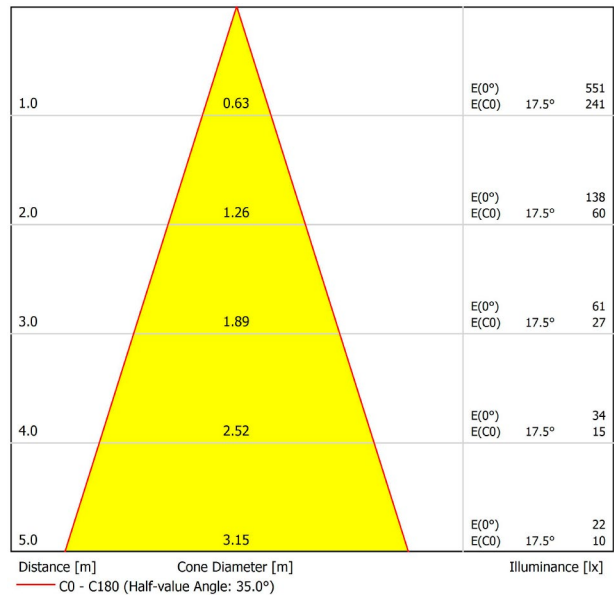


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

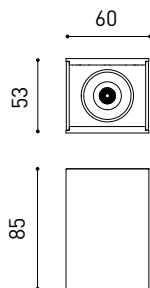


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-6.7	-6.1	-6.4	-5.9	-5.7	-6.7	-6.1	-6.4	-5.9	-5.7	
	3H	-6.8	-6.2	-6.5	-6.0	-5.8	-6.8	-6.2	-6.5	-6.0	-5.8	
	4H	-6.9	-6.4	-6.6	-6.1	-5.8	-6.9	-6.4	-6.6	-6.1	-5.8	
	6H	-7.0	-6.5	-6.6	-6.2	-5.9	-7.0	-6.5	-6.6	-6.2	-5.9	
	8H	-7.0	-6.5	-6.7	-6.2	-5.9	-7.0	-6.5	-6.7	-6.2	-5.9	
4H	12H	-7.0	-6.6	-6.7	-6.3	-6.0	-7.0	-6.6	-6.7	-6.3	-6.0	
	2H	-6.9	-6.4	-6.6	-6.1	-5.8	-6.9	-6.4	-6.6	-6.1	-5.8	
	3H	-7.0	-6.6	-6.7	-6.3	-6.0	-7.0	-6.6	-6.7	-6.3	-6.0	
	4H	-7.1	-6.7	-6.7	-6.4	-6.1	-7.1	-6.7	-6.7	-6.4	-6.1	
	6H	-7.2	-6.9	-6.8	-6.5	-6.1	-7.2	-6.9	-6.8	-6.5	-6.1	
8H	8H	-7.2	-6.9	-6.8	-6.6	-6.2	-7.2	-6.9	-6.8	-6.6	-6.2	
	12H	-7.3	-7.0	-6.8	-6.6	-6.2	-7.3	-7.0	-6.8	-6.6	-6.2	
	4H	-7.2	-6.9	-6.8	-6.6	-6.2	-7.2	-6.9	-6.8	-6.6	-6.2	
	6H	-7.3	-7.1	-6.9	-6.7	-6.2	-7.3	-7.1	-6.9	-6.7	-6.2	
	8H	-7.4	-7.2	-6.9	-6.8	-6.3	-7.4	-7.2	-6.9	-6.8	-6.3	
12H	12H	-7.4	-7.3	-6.9	-6.8	-6.3	-7.4	-7.3	-6.9	-6.8	-6.3	
	4H	-7.3	-7.0	-6.8	-6.6	-6.2	-7.3	-7.0	-6.8	-6.6	-6.2	
	6H	-7.4	-7.2	-6.9	-6.8	-6.3	-7.4	-7.2	-6.9	-6.8	-6.3	
	8H	-7.4	-7.3	-6.9	-6.8	-6.3	-7.4	-7.3	-6.9	-6.8	-6.3	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.0 / 0.0					+0.0 / 0.0					
S = 1.5H		+0.0 / 0.0					+0.0 / 0.0					
S = 2.0H		+0.0 / 0.0					+0.0 / 0.0					
Standard table		BK00					BK00					
Correction Summand		-20.0					-20.0					
Corrected Glare Indices referring to 190lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 3000K NT
Reference	A3201011NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	210 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

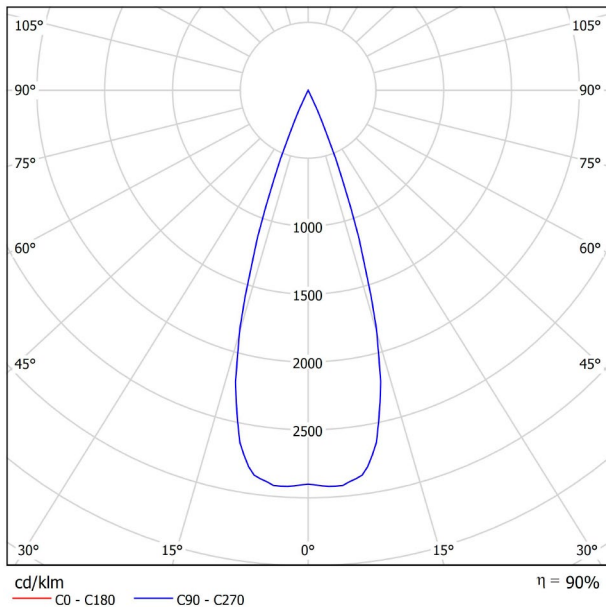
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

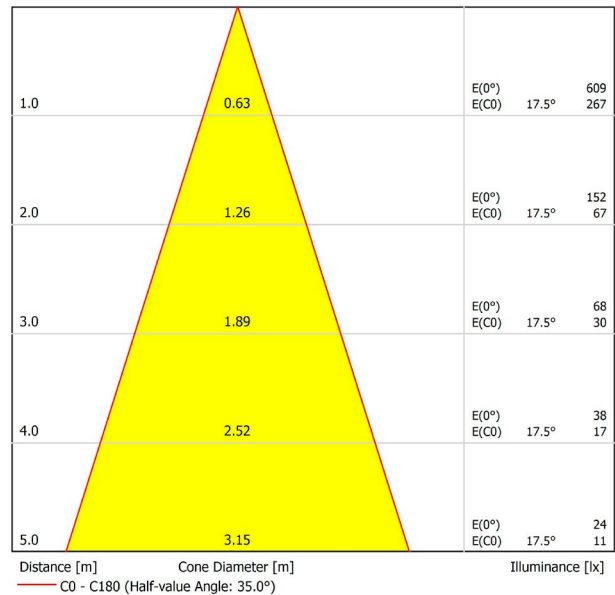


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

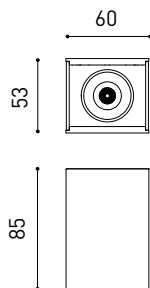


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-6.3	-5.7	-6.1	-5.5	-5.3	-6.3	-5.7	-6.1	-5.5	-5.3
	3H	-6.5	-5.9	-6.2	-5.7	-5.4	-6.5	-5.9	-6.2	-5.7	-5.4
	4H	-6.5	-6.0	-6.2	-5.8	-5.5	-6.5	-6.0	-6.2	-5.8	-5.5
	6H	-6.6	-6.1	-6.3	-5.8	-5.6	-6.6	-6.1	-6.3	-5.8	-5.6
	8H	-6.7	-6.2	-6.3	-5.9	-5.6	-6.7	-6.2	-6.3	-5.9	-5.6
4H	12H	-6.7	-6.2	-6.3	-5.9	-5.6	-6.7	-6.2	-6.3	-5.9	-5.6
	2H	-6.5	-6.0	-6.2	-5.8	-5.5	-6.5	-6.0	-6.2	-5.8	-5.5
	3H	-6.7	-6.2	-6.3	-5.9	-5.6	-6.7	-6.2	-6.3	-5.9	-5.6
	4H	-6.8	-6.4	-6.4	-6.0	-5.7	-6.8	-6.4	-6.4	-6.0	-5.7
	6H	-6.8	-6.5	-6.4	-6.2	-5.8	-6.8	-6.5	-6.4	-6.2	-5.8
8H	8H	-6.9	-6.6	-6.5	-6.2	-5.8	-6.9	-6.6	-6.5	-6.2	-5.8
	12H	-6.9	-6.7	-6.5	-6.3	-5.9	-6.9	-6.7	-6.5	-6.3	-5.9
	4H	-6.9	-6.6	-6.5	-6.2	-5.8	-6.9	-6.6	-6.5	-6.2	-5.8
	6H	-7.0	-6.8	-6.5	-6.3	-5.9	-7.0	-6.8	-6.5	-6.3	-5.9
	8H	-7.0	-6.8	-6.5	-6.4	-5.9	-7.0	-6.8	-6.5	-6.4	-5.9
12H	12H	-7.1	-6.9	-6.6	-6.5	-6.0	-7.1	-6.9	-6.6	-6.5	-6.0
	4H	-6.9	-6.7	-6.5	-6.3	-5.9	-6.9	-6.7	-6.5	-6.3	-5.9
	6H	-7.0	-6.8	-6.5	-6.4	-5.9	-7.0	-6.8	-6.5	-6.4	-5.9
	8H	-7.1	-6.9	-6.6	-6.5	-6.0	-7.1	-6.9	-6.6	-6.5	-6.0
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.0 / 0.0					+0.0 / 0.0				
S = 1.5H		+0.0 / 0.0					+0.0 / 0.0				
S = 2.0H		+0.0 / 0.0					+0.0 / 0.0				
Standard table		BK00					BK00				
Correction Summand		-20.0					-20.0				
Corrected Glare Indices referring to 210lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 3000K WT
Reference	A3201011WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	210 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

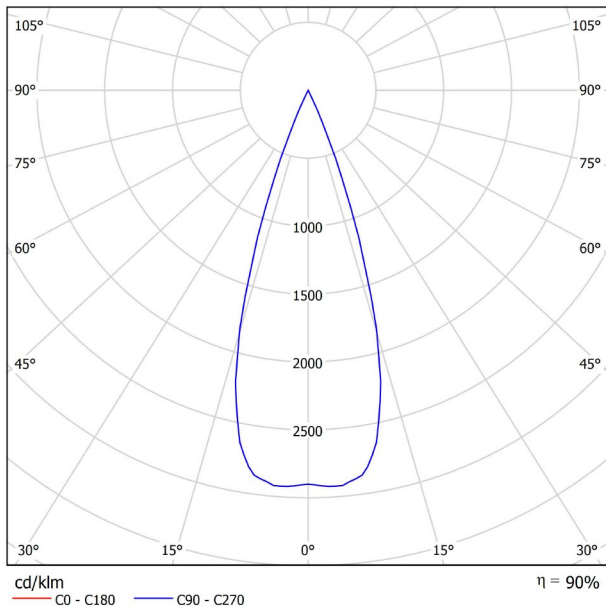
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

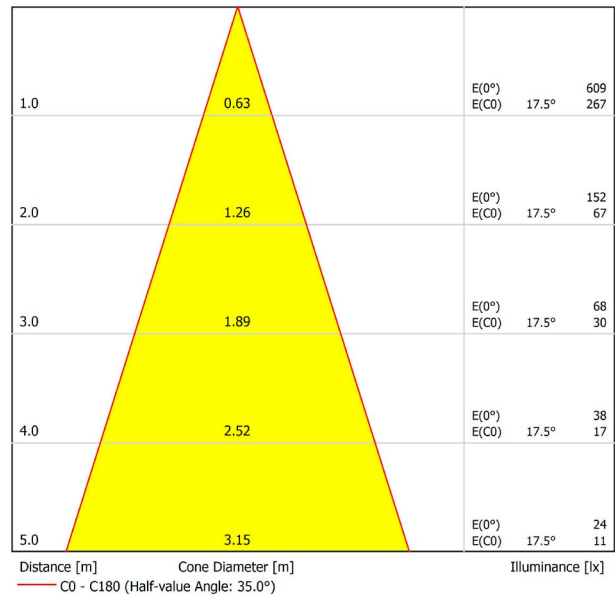


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POLAR DIAGRAM



CONICAL DIAGRAM

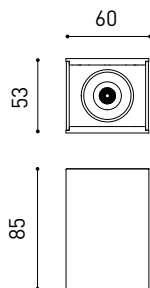


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-6.3	-5.7	-6.1	-5.5	-5.3	-6.3	-5.7	-6.1	-5.5	-5.3	
	3H	-6.5	-5.9	-6.2	-5.7	-5.4	-6.5	-5.9	-6.2	-5.7	-5.4	
	4H	-6.5	-6.0	-6.2	-5.8	-5.5	-6.5	-6.0	-6.2	-5.8	-5.5	
	6H	-6.6	-6.1	-6.3	-5.8	-5.6	-6.6	-6.1	-6.3	-5.8	-5.6	
	8H	-6.7	-6.2	-6.3	-5.9	-5.6	-6.7	-6.2	-6.3	-5.9	-5.6	
4H	12H	-6.7	-6.2	-6.3	-5.9	-5.6	-6.7	-6.2	-6.3	-5.9	-5.6	
	2H	-6.5	-6.0	-6.2	-5.8	-5.5	-6.5	-6.0	-6.2	-5.8	-5.5	
	3H	-6.7	-6.2	-6.3	-5.9	-5.6	-6.7	-6.2	-6.3	-5.9	-5.6	
	4H	-6.8	-6.4	-6.4	-6.0	-5.7	-6.8	-6.4	-6.4	-6.0	-5.7	
	6H	-6.8	-6.5	-6.4	-6.2	-5.8	-6.8	-6.5	-6.4	-6.2	-5.8	
8H	8H	-6.9	-6.6	-6.5	-6.2	-5.8	-6.9	-6.6	-6.5	-6.2	-5.8	
	12H	-6.9	-6.7	-6.5	-6.3	-5.9	-6.9	-6.7	-6.5	-6.3	-5.9	
	4H	-6.9	-6.6	-6.5	-6.2	-5.8	-6.9	-6.6	-6.5	-6.2	-5.8	
	6H	-7.0	-6.8	-6.5	-6.3	-5.9	-7.0	-6.8	-6.5	-6.3	-5.9	
	8H	-7.0	-6.8	-6.5	-6.4	-5.9	-7.0	-6.8	-6.5	-6.4	-5.9	
12H	12H	-7.1	-6.9	-6.6	-6.5	-6.0	-7.1	-6.9	-6.6	-6.5	-6.0	
	4H	-6.9	-6.7	-6.5	-6.3	-5.9	-6.9	-6.7	-6.5	-6.3	-5.9	
	6H	-7.0	-6.8	-6.5	-6.4	-5.9	-7.0	-6.8	-6.5	-6.4	-5.9	
	8H	-7.1	-6.9	-6.6	-6.5	-6.0	-7.1	-6.9	-6.6	-6.5	-6.0	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.0 / 0.0					+0.0 / 0.0					
S = 1.5H		+0.0 / 0.0					+0.0 / 0.0					
S = 2.0H		+0.0 / 0.0					+0.0 / 0.0					
Standard table		BK00					BK00					
Correction Summand		-20.0					-20.0					
Corrected Glare Indices referring to 210lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 4000K NT
Reference	A3201012NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	250 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

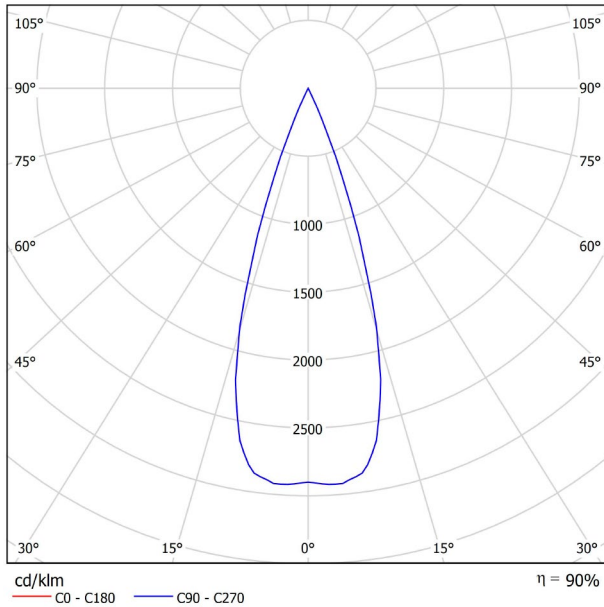
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

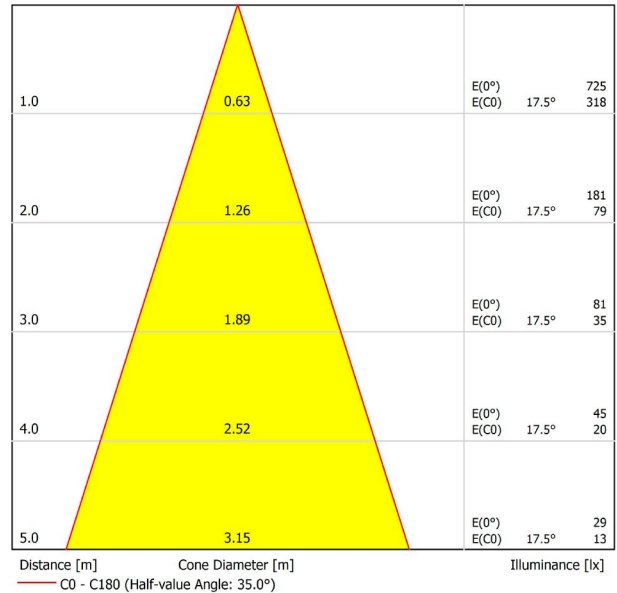


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

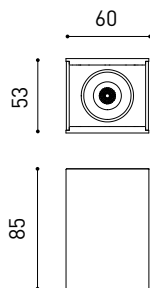


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	30
ρ Walls		50	30	50	30	30	50	30	50	30	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-5.7	-5.1	-5.5	-4.9	-4.7	-5.7	-5.1	-5.5	-4.9	-4.7	
	3H	-5.9	-5.3	-5.6	-5.1	-4.8	-5.9	-5.3	-5.6	-5.1	-4.8	
	4H	-5.9	-5.4	-5.6	-5.1	-4.9	-5.9	-5.4	-5.6	-5.1	-4.9	
	6H	-6.0	-5.5	-5.7	-5.2	-5.0	-6.0	-5.5	-5.7	-5.2	-5.0	
	8H	-6.0	-5.6	-5.7	-5.3	-5.0	-6.0	-5.6	-5.7	-5.3	-5.0	
4H	12H	-6.1	-5.6	-5.7	-5.3	-5.0	-6.1	-5.6	-5.7	-5.3	-5.0	
	2H	-5.9	-5.4	-5.6	-5.1	-4.9	-5.9	-5.4	-5.6	-5.1	-4.9	
	3H	-6.1	-5.6	-5.7	-5.3	-5.0	-6.1	-5.6	-5.7	-5.3	-5.0	
	4H	-6.2	-5.8	-5.8	-5.4	-5.1	-6.2	-5.8	-5.8	-5.4	-5.1	
	6H	-6.2	-5.9	-5.8	-5.6	-5.2	-6.2	-5.9	-5.8	-5.6	-5.2	
8H	8H	-6.3	-6.0	-5.9	-5.6	-5.2	-6.3	-6.0	-5.9	-5.6	-5.2	
	12H	-6.3	-6.1	-5.9	-5.7	-5.3	-6.3	-6.1	-5.9	-5.7	-5.3	
	4H	-6.3	-6.0	-5.9	-5.6	-5.2	-6.3	-6.0	-5.9	-5.6	-5.2	
	6H	-6.4	-6.2	-5.9	-5.7	-5.3	-6.4	-6.2	-5.9	-5.7	-5.3	
	8H	-6.4	-6.2	-5.9	-5.8	-5.3	-6.4	-6.2	-5.9	-5.8	-5.3	
12H	12H	-6.5	-6.3	-6.0	-5.9	-5.4	-6.5	-6.3	-6.0	-5.9	-5.4	
	4H	-6.3	-6.1	-5.9	-5.7	-5.3	-6.3	-6.1	-5.9	-5.7	-5.3	
	6H	-6.4	-6.2	-5.9	-5.8	-5.3	-6.4	-6.2	-5.9	-5.8	-5.3	
	8H	-6.5	-6.3	-6.0	-5.9	-5.4	-6.5	-6.3	-6.0	-5.9	-5.4	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.0 / 0.0					+0.0 / 0.0					
S = 1.5H		+0.0 / 0.0					+0.0 / 0.0					
S = 2.0H		+0.0 / 0.0					+0.0 / 0.0					
Standard table		BK00					BK00					
Correction Summand		-20.0					-20.0					
Corrected Glare Indices referring to 250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 4000K WT
Reference	A3201012WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	250 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

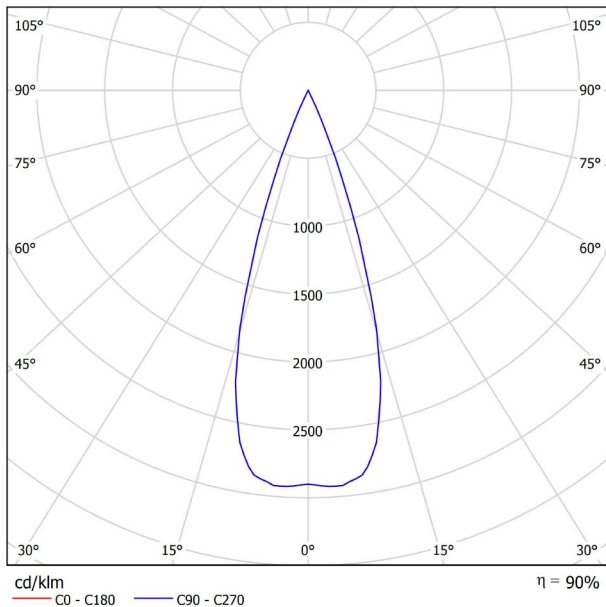
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

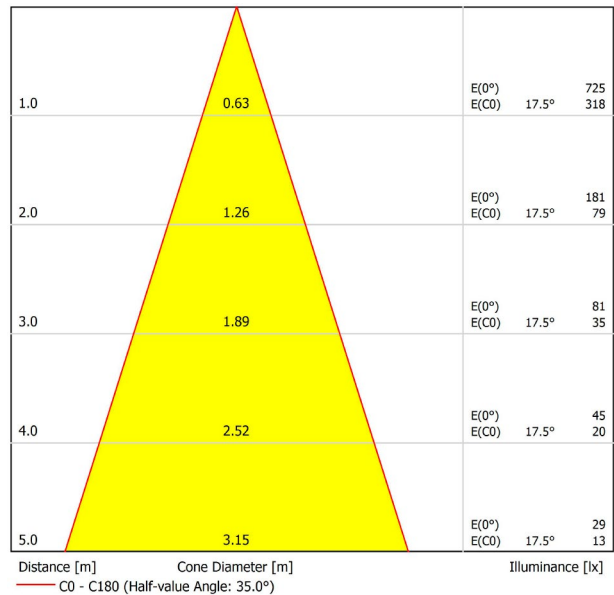


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

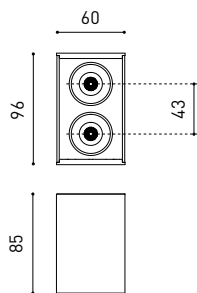


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	30
p Walls		50	30	50	30	30	50	30	50	30	30	30
p Floor		20	20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-5.7	-5.1	-5.5	-4.9	-4.7	-5.7	-5.1	-5.5	-4.9	-4.7	
	3H	-5.9	-5.3	-5.6	-5.1	-4.8	-5.9	-5.3	-5.6	-5.1	-4.8	
	4H	-5.9	-5.4	-5.6	-5.1	-4.9	-5.9	-5.4	-5.6	-5.1	-4.9	
	6H	-6.0	-5.5	-5.7	-5.2	-5.0	-6.0	-5.5	-5.7	-5.2	-5.0	
	8H	-6.0	-5.6	-5.7	-5.3	-5.0	-6.0	-5.6	-5.7	-5.3	-5.0	
4H	12H	-6.1	-5.6	-5.7	-5.3	-5.0	-6.1	-5.6	-5.7	-5.3	-5.0	
	2H	-5.9	-5.4	-5.6	-5.1	-4.9	-5.9	-5.4	-5.6	-5.1	-4.9	
	3H	-6.1	-5.6	-5.7	-5.3	-5.0	-6.1	-5.6	-5.7	-5.3	-5.0	
	4H	-6.2	-5.8	-5.8	-5.4	-5.1	-6.2	-5.8	-5.8	-5.4	-5.1	
	6H	-6.2	-5.9	-5.8	-5.6	-5.2	-6.2	-5.9	-5.8	-5.6	-5.2	
8H	8H	-6.3	-6.0	-5.9	-5.6	-5.2	-6.3	-6.0	-5.9	-5.6	-5.2	
	12H	-6.3	-6.1	-5.9	-5.7	-5.3	-6.3	-6.1	-5.9	-5.7	-5.3	
	4H	-6.3	-6.0	-5.9	-5.6	-5.2	-6.3	-6.0	-5.9	-5.6	-5.2	
	6H	-6.4	-6.2	-5.9	-5.7	-5.3	-6.4	-6.2	-5.9	-5.7	-5.3	
	8H	-6.4	-6.2	-5.9	-5.8	-5.3	-6.4	-6.2	-5.9	-5.8	-5.3	
12H	12H	-6.5	-6.3	-6.0	-5.9	-5.4	-6.5	-6.3	-6.0	-5.9	-5.4	
	4H	-6.3	-6.1	-5.9	-5.7	-5.3	-6.3	-6.1	-5.9	-5.7	-5.3	
	6H	-6.4	-6.2	-5.9	-5.8	-5.3	-6.4	-6.2	-5.9	-5.8	-5.3	
	8H	-6.5	-6.3	-6.0	-5.9	-5.4	-6.5	-6.3	-6.0	-5.9	-5.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.0 / 0.0					+0.0 / 0.0					
S = 1.5H		+0.0 / 0.0					+0.0 / 0.0					
S = 2.0H		+0.0 / 0.0					+0.0 / 0.0					
Standard table		BK00					BK00					
Correction Summand		-20.0					-20.0					
Corrected Glare Indices referring to 250lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 2 2700K NT
Reference	A3202010NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	380 Lm
Power	4,2 W
Power values of the system	5,60 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

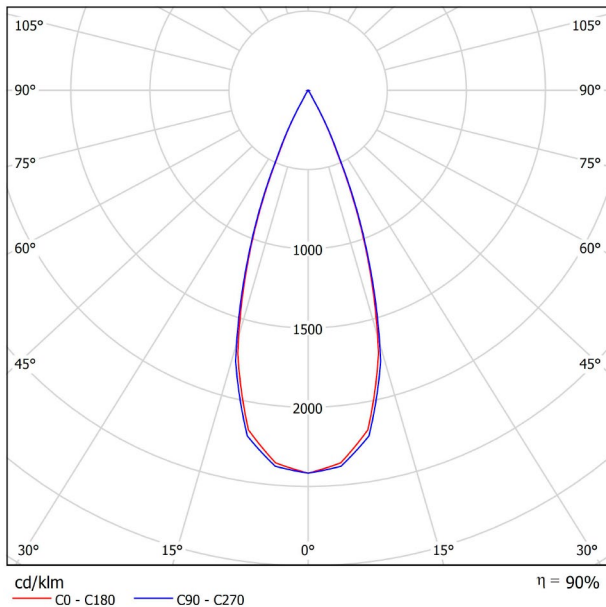
OTHER DATA

Ingress Protection	IP20
Weight	390 g.
Packaged weight	440 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

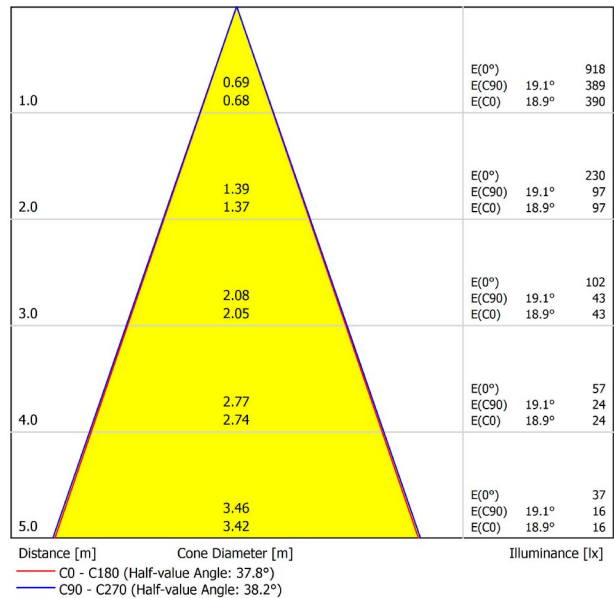


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POLAR DIAGRAM



CONICAL DIAGRAM

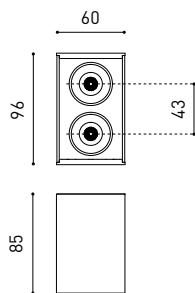


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-10.8	-10.2	-10.6	-10.0	-9.8	-10.5	-9.8	-10.2	-9.6	-9.4	
	3H	-5.8	-5.2	-5.5	-5.0	-4.8	-5.5	-5.0	-5.3	-4.7	-4.5	
	4H	-2.9	-2.4	-2.6	-2.1	-1.9	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	0.8	1.3	1.1	1.6	1.9	
	8H	2.4	2.9	2.8	3.2	3.5	2.6	3.1	2.9	3.4	3.7	
4H	12H	4.4	4.9	4.8	5.2	5.5	4.6	5.0	4.9	5.3	5.6	
	2H	-9.2	-8.7	-8.9	-8.4	-8.2	-9.0	-8.4	-8.7	-8.2	-7.9	
	3H	-4.0	-3.6	-3.7	-3.3	-2.9	-3.8	-3.4	-3.5	-3.1	-2.8	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.7	-0.3	-0.3	0.1	0.4	
	6H	2.5	2.8	2.9	3.2	3.6	2.7	3.0	3.1	3.4	3.8	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.5	4.8	4.9	5.2	5.6	
	12H	6.5	6.7	6.9	7.1	7.5	6.6	6.8	7.0	7.2	7.6	
	4H	0.3	0.6	0.8	1.0	1.4	0.6	0.9	1.0	1.3	1.7	
	6H	4.0	4.2	4.4	4.6	5.1	4.1	4.3	4.6	4.7	5.2	
	8H	6.0	6.2	6.5	6.6	7.1	6.1	6.2	6.5	6.7	7.2	
12H	12H	8.2	8.3	8.7	8.8	9.3	8.3	8.4	8.8	8.9	9.4	
	4H	0.8	1.1	1.3	1.5	1.9	1.0	1.3	1.5	1.7	2.1	
	6H	4.5	4.7	5.0	5.1	5.6	4.6	4.8	5.1	5.2	5.7	
	8H	6.6	6.8	7.1	7.2	7.7	6.7	6.8	7.2	7.3	7.8	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.5 / -0.3					+0.6 / -0.3					
S = 1.5H		+1.1 / -0.5					+1.3 / -0.5					
S = 2.0H		+1.9 / -0.8					+2.3 / -0.8					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 380lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 2 2700K WT
Reference	A3202010WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	380 Lm
Power	4,2 W
Power values of the system	5,60 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

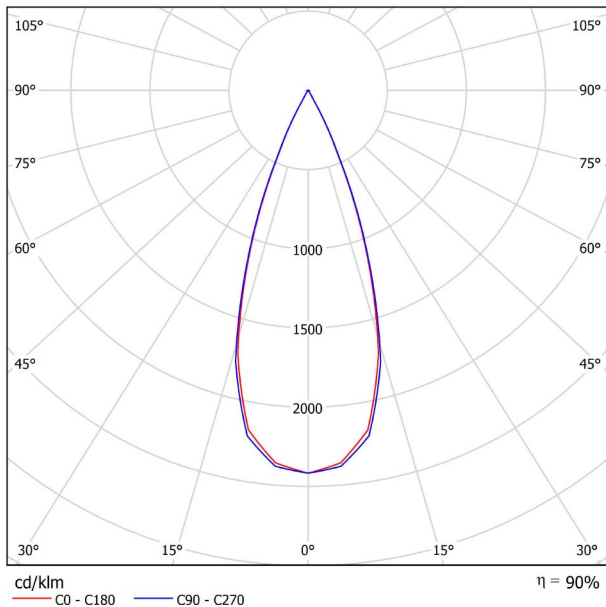
OTHER DATA

Ingress Protection	IP20
Weight	390 g.
Packaged weight	440 g.
Packaging dimensions	175 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

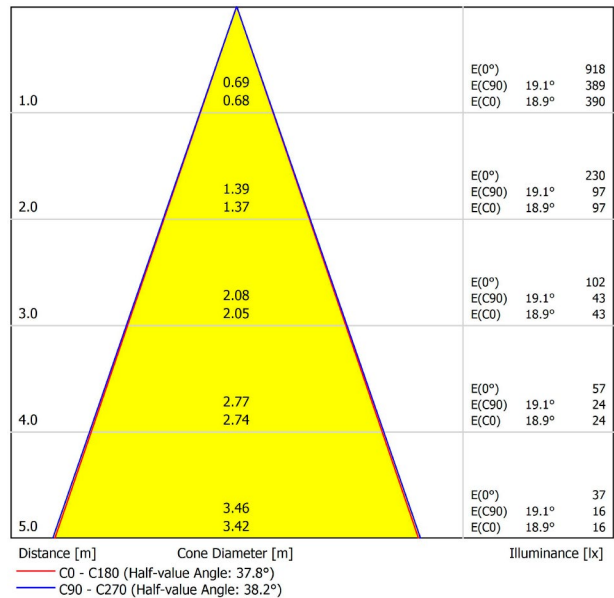


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POLAR DIAGRAM



CONICAL DIAGRAM

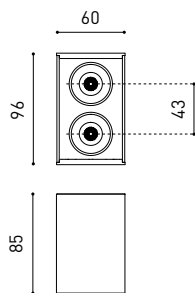


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-10.8	-10.2	-10.6	-10.0	-9.8	-10.5	-9.8	-10.2	-9.6	-9.4	
	3H	-5.8	-5.2	-5.5	-5.0	-4.8	-5.5	-5.0	-5.3	-4.7	-4.5	
	4H	-2.9	-2.4	-2.6	-2.1	-1.9	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	0.8	1.3	1.1	1.6	1.9	
	8H	2.4	2.9	2.8	3.2	3.5	2.6	3.1	2.9	3.4	3.7	
4H	12H	4.4	4.9	4.8	5.2	5.5	4.6	5.0	4.9	5.3	5.6	
	2H	-9.2	-8.7	-8.9	-8.4	-8.2	-9.0	-8.4	-8.7	-8.2	-7.9	
	3H	-4.0	-3.6	-3.7	-3.3	-2.9	-3.8	-3.4	-3.5	-3.1	-2.8	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.7	-0.3	-0.3	0.1	0.4	
	6H	2.5	2.8	2.9	3.2	3.6	2.7	3.0	3.1	3.4	3.8	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.5	4.8	4.9	5.2	5.6	
	12H	6.5	6.7	6.9	7.1	7.5	6.6	6.8	7.0	7.2	7.6	
	4H	0.3	0.6	0.8	1.0	1.4	0.6	0.9	1.0	1.3	1.7	
	6H	4.0	4.2	4.4	4.6	5.1	4.1	4.3	4.6	4.7	5.2	
	8H	6.0	6.2	6.5	6.6	7.1	6.1	6.2	6.5	6.7	7.2	
12H	12H	8.2	8.3	8.7	8.8	9.3	8.3	8.4	8.8	8.9	9.4	
	4H	0.8	1.1	1.3	1.5	1.9	1.0	1.3	1.5	1.7	2.1	
	6H	4.5	4.7	5.0	5.1	5.6	4.6	4.8	5.1	5.2	5.7	
	8H	6.6	6.8	7.1	7.2	7.7	6.7	6.8	7.2	7.3	7.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.5 / -0.3					+0.6 / -0.3					
S = 1.5H		+1.1 / -0.5					+1.3 / -0.5					
S = 2.0H		+1.9 / -0.8					+2.3 / -0.8					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 380lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 2 3000K NT
Reference	A3202011NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	420 Lm
Power	4,2 W
Power values of the system	5,60 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

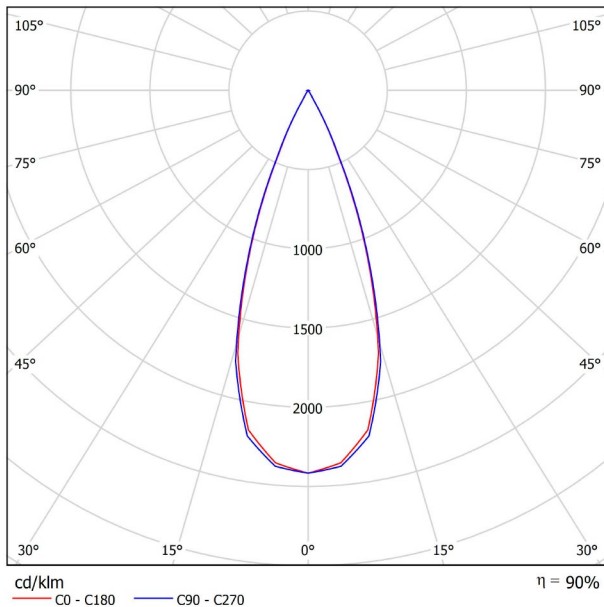
Ingress Protection	IP20
Weight	390 g.
Packaged weight	440 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

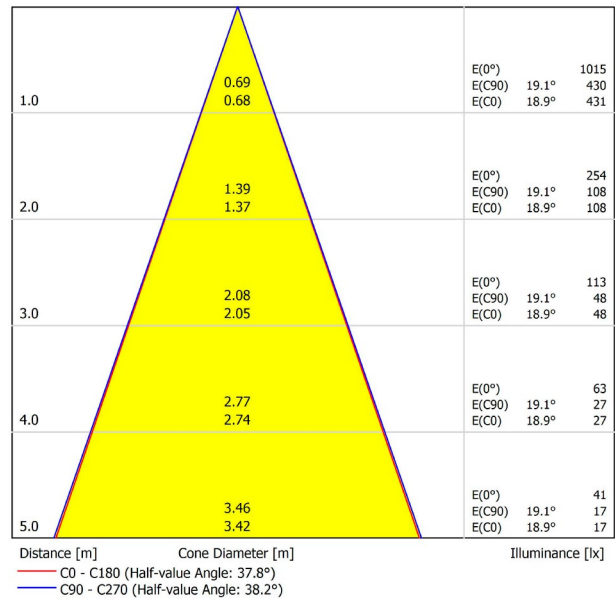


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POLAR DIAGRAM



CONICAL DIAGRAM

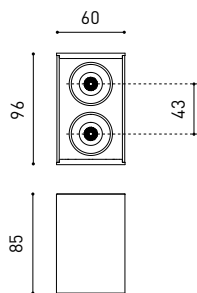


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	30
p Walls		50	30	50	30	30	50	30	50	30	30	30
p Floor		20	20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-10.5	-9.9	-10.3	-9.7	-9.5	-10.1	-9.5	-9.9	-9.3	-9.1	
	3H	-5.5	-4.9	-5.2	-4.7	-4.4	-5.2	-4.6	-4.9	-4.4	-4.2	
	4H	-2.6	-2.0	-2.3	-1.8	-1.5	-2.1	-1.6	-1.8	-1.3	-1.1	
	6H	0.9	1.4	1.2	1.7	2.0	1.2	1.7	1.5	2.0	2.2	
	8H	2.8	3.3	3.1	3.6	3.8	2.9	3.4	3.3	3.7	4.0	
4H	12H	4.8	5.2	5.1	5.5	5.9	4.9	5.4	5.2	5.7	6.0	
	2H	-8.9	-8.3	-8.6	-8.1	-7.8	-8.6	-8.1	-8.3	-7.8	-7.6	
	3H	-3.7	-3.2	-3.3	-2.9	-2.6	-3.5	-3.0	-3.1	-2.7	-2.4	
	4H	-0.7	-0.3	-0.3	0.1	0.4	-0.3	0.1	0.1	0.4	0.8	
	6H	2.9	3.2	3.3	3.5	3.9	3.0	3.4	3.4	3.7	4.1	
8H	8H	4.8	5.0	5.2	5.4	5.8	4.9	5.2	5.3	5.5	5.9	
	12H	6.8	7.1	7.3	7.5	7.9	6.9	7.2	7.4	7.6	8.0	
	4H	0.7	1.0	1.1	1.4	1.8	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.8	5.0	5.4	4.5	4.7	4.9	5.1	5.5	
	8H	6.3	6.5	6.8	7.0	7.4	6.4	6.6	6.9	7.0	7.5	
12H	12H	8.6	8.7	9.0	9.2	9.7	8.6	8.8	9.1	9.2	9.7	
	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.4	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.1	5.4	5.6	6.1	
	8H	7.0	7.1	7.5	7.6	8.1	7.0	7.2	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.5 / -0.3					+0.6 / -0.3					
S = 1.5H		+1.1 / -0.5					+1.3 / -0.5					
S = 2.0H		+1.9 / -0.8					+2.3 / -0.8					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 420lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 2 3000K WT
Reference	A3202011WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	420 Lm
Power	4,2 W
Power values of the system	5,60 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

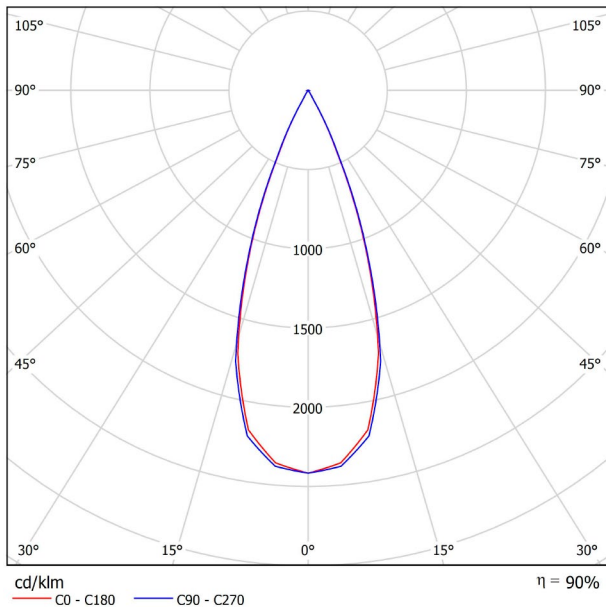
OTHER DATA

Ingress Protection	IP20
Weight	390 g.
Packaged weight	440 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

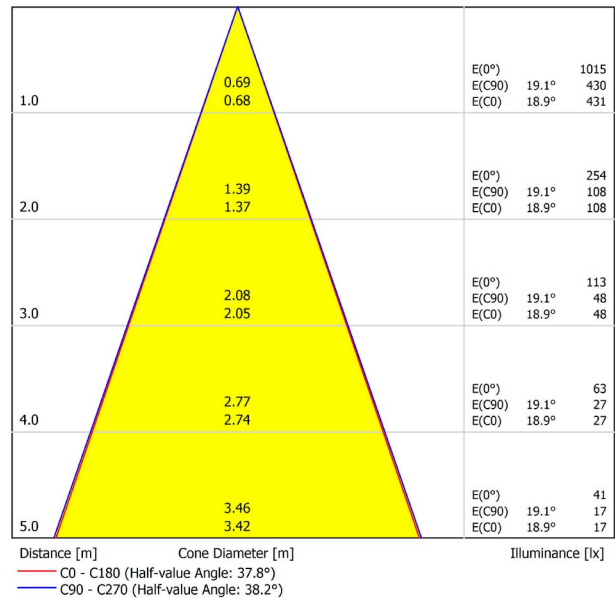


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POLAR DIAGRAM



CONICAL DIAGRAM

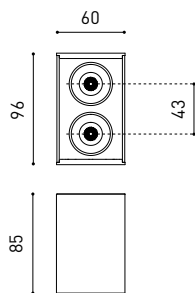


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-10.5	-9.9	-10.3	-9.7	-9.5	-10.1	-9.5	-9.9	-9.3	-9.1	
	3H	-5.5	-4.9	-5.2	-4.7	-4.4	-5.2	-4.6	-4.9	-4.4	-4.2	
	4H	-2.6	-2.0	-2.3	-1.8	-1.5	-2.1	-1.6	-1.8	-1.3	-1.1	
	6H	0.9	1.4	1.2	1.7	2.0	1.2	1.7	1.5	2.0	2.2	
	8H	2.8	3.3	3.1	3.6	3.8	2.9	3.4	3.3	3.7	4.0	
4H	12H	4.8	5.2	5.1	5.5	5.9	4.9	5.4	5.2	5.7	6.0	
	2H	-8.9	-8.3	-8.6	-8.1	-7.8	-8.6	-8.1	-8.3	-7.8	-7.6	
	3H	-3.7	-3.2	-3.3	-2.9	-2.6	-3.5	-3.0	-3.1	-2.7	-2.4	
	4H	-0.7	-0.3	-0.3	0.1	0.4	-0.3	0.1	0.1	0.4	0.8	
	6H	2.9	3.2	3.3	3.5	3.9	3.0	3.4	3.4	3.7	4.1	
8H	8H	4.8	5.0	5.2	5.4	5.8	4.9	5.2	5.3	5.5	5.9	
	12H	6.8	7.1	7.3	7.5	7.9	6.9	7.2	7.4	7.6	8.0	
	4H	0.7	1.0	1.1	1.4	1.8	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.8	5.0	5.4	4.5	4.7	4.9	5.1	5.5	
	8H	6.3	6.5	6.8	7.0	7.4	6.4	6.6	6.9	7.0	7.5	
12H	12H	8.6	8.7	9.0	9.2	9.7	8.6	8.8	9.1	9.2	9.7	
	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.4	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.1	5.4	5.6	6.1	
	8H	7.0	7.1	7.5	7.6	8.1	7.0	7.2	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.5 / -0.3					+0.6 / -0.3					
S = 1.5H		+1.1 / -0.5					+1.3 / -0.5					
S = 2.0H		+1.9 / -0.8					+2.3 / -0.8					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 420lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 2 4000K NT
Reference	A3202012NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	500 Lm
Power	4,2 W
Power values of the system	5,60 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

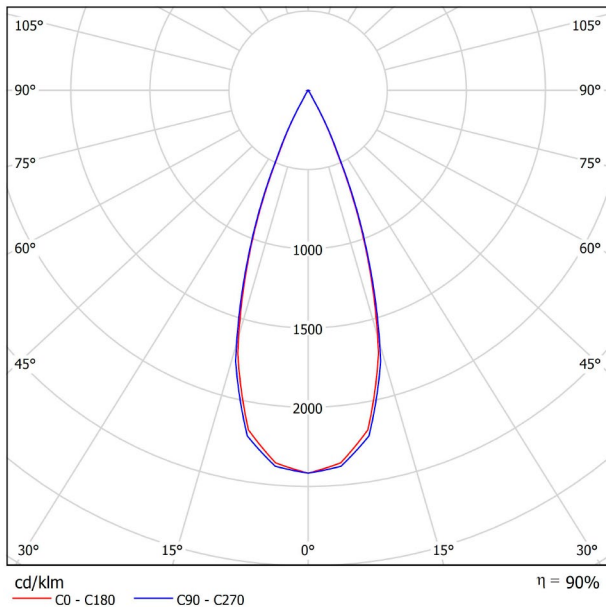
OTHER DATA

Ingress Protection	IP20
Weight	390 g.
Packaged weight	440 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

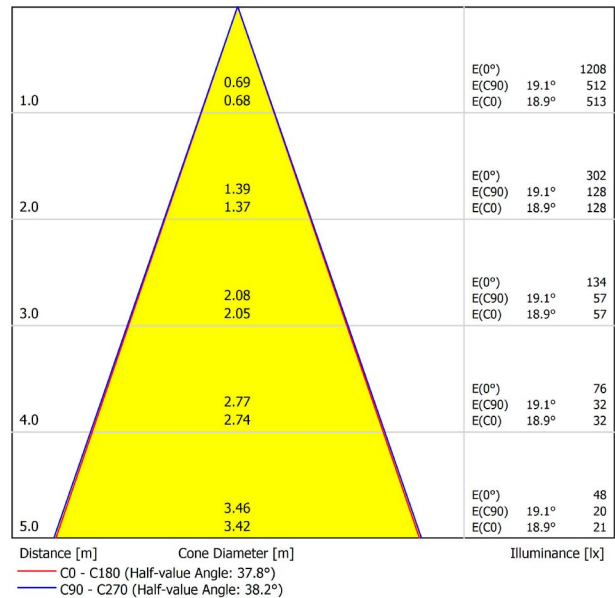


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POLAR DIAGRAM



CONICAL DIAGRAM

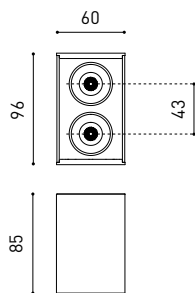


UGR

Glare Evaluation According to UGR													
ρ Ceiling		70	70	50	50	30	70	70	50	50	30		
ρ Walls		50	30	50	30	30	50	30	50	30	30		
ρ Floor		20	20	20	20	20	20	20	20	20	20		
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis						
2H	2H	-9.9	-9.3	-9.6	-9.1	-8.9	-9.5	-8.9	-9.3	-8.7	-8.5		
	3H	-4.9	-4.3	-4.6	-4.1	-3.8	-4.6	-4.0	-4.3	-3.8	-3.5		
	4H	-2.0	-1.4	-1.7	-1.2	-0.9	-1.5	-1.0	-1.2	-0.7	-0.5		
	6H	1.5	2.0	1.8	2.3	2.6	1.8	2.3	2.1	2.6	2.8		
	8H	3.4	3.9	3.7	4.2	4.5	3.5	4.0	3.9	4.3	4.6		
12H	12H	5.4	5.8	5.7	6.1	6.5	5.5	6.0	5.9	6.3	6.6		
	4H	2H	-8.3	-7.7	-8.0	-7.5	-7.2	-8.0	-7.5	-7.7	-7.2	-7.0	
		3H	-3.1	-2.6	-2.7	-2.3	-2.0	-2.9	-2.4	-2.5	-2.1	-1.8	
		4H	-0.1	0.3	0.3	0.7	1.0	0.3	0.7	0.7	1.0	1.4	
		6H	3.5	3.8	3.9	4.2	4.5	3.6	4.0	4.0	4.3	4.7	
8H		5.4	5.6	5.8	6.0	6.4	5.5	5.8	5.9	6.1	6.5		
12H	12H	7.4	7.7	7.9	8.1	8.5	7.5	7.8	8.0	8.2	8.6		
	8H	4H	1.3	1.6	1.7	2.0	2.4	1.5	1.8	1.9	2.2	2.6	
		6H	4.9	5.2	5.4	5.6	6.0	5.1	5.3	5.5	5.7	6.1	
		8H	6.9	7.1	7.4	7.6	8.0	7.0	7.2	7.5	7.6	8.1	
		12H	9.2	9.3	9.6	9.8	10.3	9.2	9.4	9.7	9.8	10.3	
12H		4H	1.8	2.0	2.2	2.4	2.8	2.0	2.2	2.4	2.6	3.0	
	6H	5.5	5.6	5.9	6.1	6.6	5.6	5.8	6.0	6.2	6.7		
	8H	7.6	7.7	8.1	8.2	8.7	7.6	7.8	8.1	8.2	8.7		
Variation of the observer position for the luminaire distances S													
S = 1.0H		+0.5 / -0.3					+0.6 / -0.3						
S = 1.5H		+1.1 / -0.5					+1.3 / -0.5						
S = 2.0H		+1.9 / -0.8					+2.3 / -0.8						
Standard table		---					---						
Correction		---					---						
Summand		---					---						
Corrected Glare Indices referring to 500lm Total Luminous Flux													



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 2 4000K WT
Reference	A3202012WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	500 Lm
Power	4,2 W
Power values of the system	5,60 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

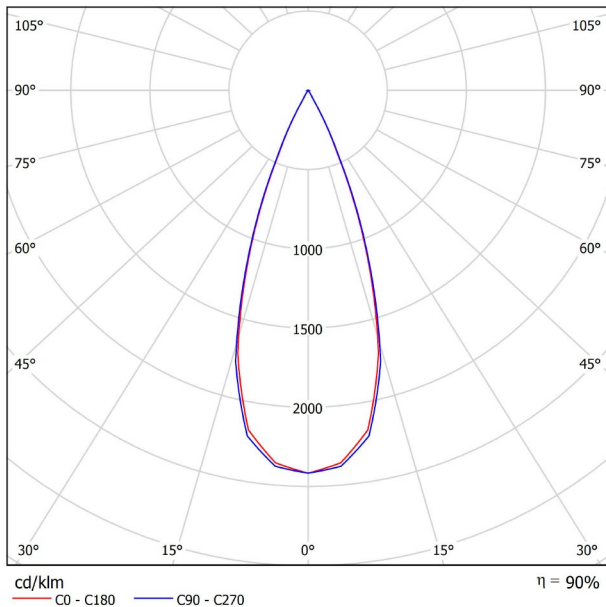
OTHER DATA

Ingress Protection	IP20
Weight	390 g.
Packaged weight	440 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

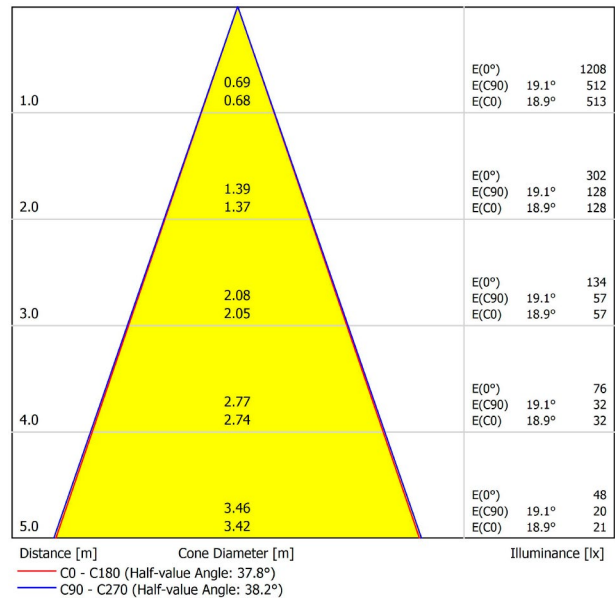


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POLAR DIAGRAM



CONICAL DIAGRAM

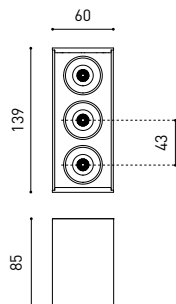


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-9.9	-9.3	-9.6	-9.1	-8.9	-9.5	-8.9	-9.3	-8.7	-8.5	
	3H	-4.9	-4.3	-4.6	-4.1	-3.8	-4.6	-4.0	-4.3	-3.8	-3.5	
	4H	-2.0	-1.4	-1.7	-1.2	-0.9	-1.5	-1.0	-1.2	-0.7	-0.5	
	6H	1.5	2.0	1.8	2.3	2.6	1.8	2.3	2.1	2.6	2.8	
	8H	3.4	3.9	3.7	4.2	4.5	3.5	4.0	3.9	4.3	4.6	
4H	12H	5.4	5.8	5.7	6.1	6.5	5.5	6.0	5.9	6.3	6.6	
	2H	-8.3	-7.7	-8.0	-7.5	-7.2	-8.0	-7.5	-7.7	-7.2	-7.0	
	3H	-3.1	-2.6	-2.7	-2.3	-2.0	-2.9	-2.4	-2.5	-2.1	-1.8	
	4H	-0.1	0.3	0.3	0.7	1.0	0.3	0.7	0.7	1.0	1.4	
	6H	3.5	3.8	3.9	4.2	4.5	3.6	4.0	4.0	4.3	4.7	
8H	8H	5.4	5.6	5.8	6.0	6.4	5.5	5.8	5.9	6.1	6.5	
	12H	7.4	7.7	7.9	8.1	8.5	7.5	7.8	8.0	8.2	8.6	
	4H	1.3	1.6	1.7	2.0	2.4	1.5	1.8	1.9	2.2	2.6	
	6H	4.9	5.2	5.4	5.6	6.0	5.1	5.3	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.6	8.0	7.0	7.2	7.5	7.6	8.1	
12H	12H	9.2	9.3	9.6	9.8	10.3	9.2	9.4	9.7	9.8	10.3	
	4H	1.8	2.0	2.2	2.4	2.8	2.0	2.2	2.4	2.6	3.0	
	6H	5.5	5.6	5.9	6.1	6.6	5.6	5.8	6.0	6.2	6.7	
	8H	7.6	7.7	8.1	8.2	8.7	7.6	7.8	8.1	8.2	8.7	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.5 / -0.3					+0.6 / -0.3					
S = 1.5H		+1.1 / -0.5					+1.3 / -0.5					
S = 2.0H		+1.9 / -0.8					+2.3 / -0.8					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 500lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 3 2700K NT
Reference	A3203010NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	8,40 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

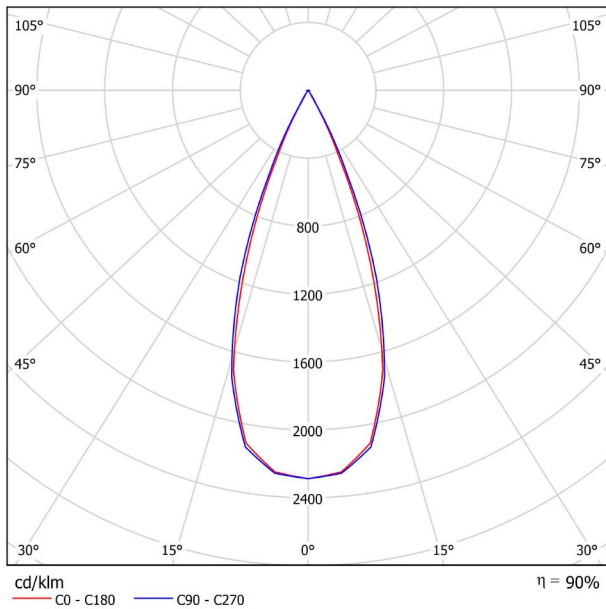
OTHER DATA

Ingress Protection	IP20
Weight	490 g.
Packaged weight	530 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

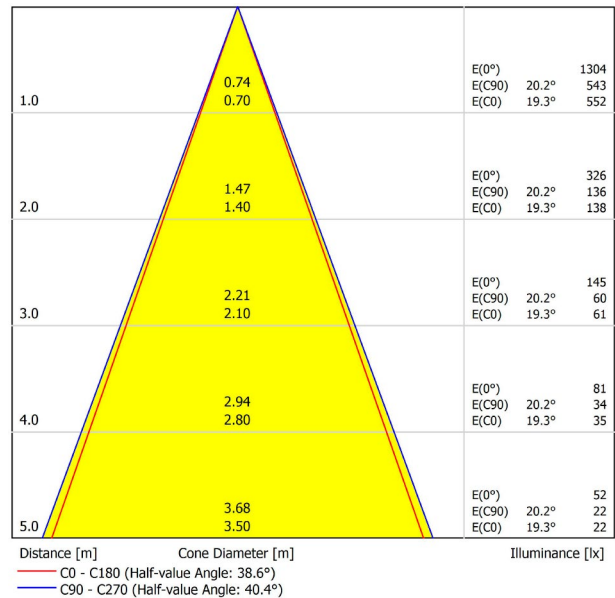


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POLAR DIAGRAM



CONICAL DIAGRAM

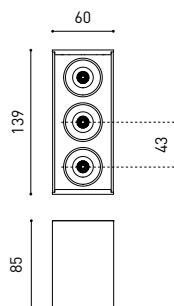


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-11.8	-11.1	-11.5	-11.0	-10.8	-11.9	-11.2	-11.6	-11.0	-10.8	
	3H	-6.8	-6.2	-6.5	-6.0	-5.8	-5.9	-5.3	-5.6	-5.1	-4.9	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-2.5	-2.0	-2.2	-1.7	-1.5	
	6H	-0.4	0.1	-0.1	0.4	0.7	1.1	1.6	1.4	1.8	2.1	
	8H	1.4	1.9	1.7	2.2	2.5	2.9	3.3	3.2	3.6	3.9	
4H	12H	3.3	3.8	3.7	4.1	4.4	4.8	5.3	5.1	5.6	5.9	
	2H	-10.1	-9.6	-9.8	-9.3	-9.1	-10.2	-9.6	-9.9	-9.4	-9.1	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.3	-3.9	-4.0	-3.6	-3.2	
	4H	-2.0	-1.6	-1.6	-1.3	-0.9	-1.0	-0.6	-0.6	-0.2	0.1	
	6H	1.5	1.8	1.9	2.2	2.5	2.7	3.0	3.1	3.4	3.8	
8H	8H	3.3	3.6	3.7	4.0	4.4	4.6	4.9	5.0	5.3	5.7	
	12H	5.3	5.6	5.8	6.0	6.4	6.7	6.9	7.1	7.3	7.7	
	4H	-0.7	-0.5	-0.3	-0.1	0.3	-0.0	0.3	0.4	0.7	1.1	
	6H	2.9	3.1	3.3	3.5	4.0	3.9	4.1	4.3	4.5	4.9	
	8H	4.9	5.0	5.3	5.5	6.0	5.9	6.1	6.4	6.6	7.0	
12H	12H	7.0	7.2	7.5	7.6	8.1	8.2	8.3	8.7	8.8	9.3	
	4H	-0.2	0.1	0.2	0.5	0.9	0.4	0.6	0.8	1.0	1.4	
	6H	3.4	3.6	3.9	4.1	4.5	4.3	4.4	4.7	4.9	5.4	
		8H	5.5	5.6	6.0	6.1	6.4	6.6	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.7 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.4 / -0.5					+2.7 / -0.7					
S = 2.0H		+2.4 / -0.8					+4.2 / -0.9					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 3 2700K WT
Reference	A3203010WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	8,40 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

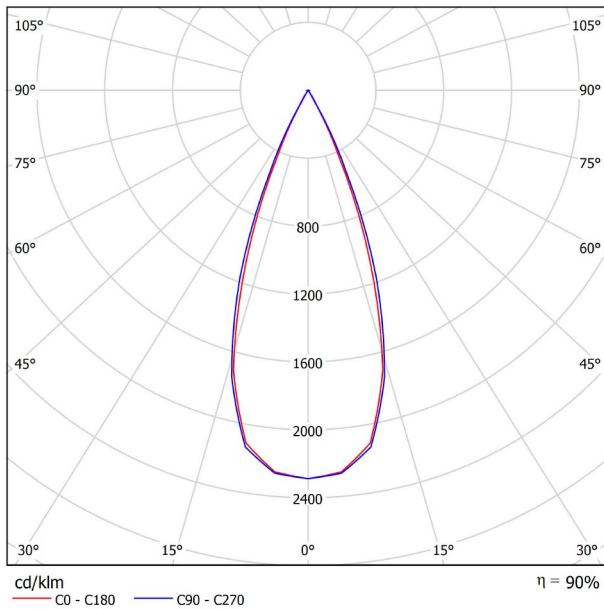
OTHER DATA

Ingress Protection	IP20
Weight	490 g.
Packaged weight	530 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

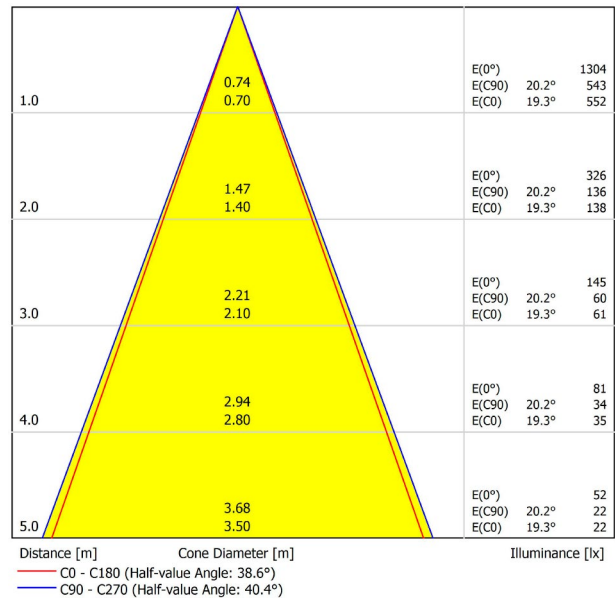


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

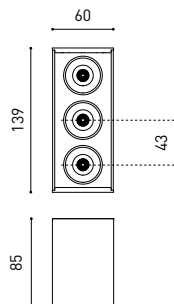


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-11.8	-11.1	-11.5	-11.0	-10.8	-11.9	-11.2	-11.6	-11.0	-10.8
	3H	-6.8	-6.2	-6.5	-6.0	-5.8	-5.9	-5.3	-5.6	-5.1	-4.9
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-2.5	-2.0	-2.2	-1.7	-1.5
	6H	-0.4	0.1	-0.1	0.4	0.7	1.1	1.6	1.4	1.8	2.1
	8H	1.4	1.9	1.7	2.2	2.5	2.9	3.3	3.2	3.6	3.9
4H	12H	3.3	3.8	3.7	4.1	4.4	4.8	5.3	5.1	5.6	5.9
	2H	-10.1	-9.6	-9.8	-9.3	-9.1	-10.2	-9.6	-9.9	-9.4	-9.1
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.3	-3.9	-4.0	-3.6	-3.2
	4H	-2.0	-1.6	-1.6	-1.3	-0.9	-1.0	-0.6	-0.6	-0.2	0.1
	6H	1.5	1.8	1.9	2.2	2.5	2.7	3.0	3.1	3.4	3.8
8H	8H	3.3	3.6	3.7	4.0	4.4	4.6	4.9	5.0	5.3	5.7
	12H	5.3	5.6	5.8	6.0	6.4	6.7	6.9	7.1	7.3	7.7
	4H	-0.7	-0.5	-0.3	-0.1	0.3	-0.0	0.3	0.4	0.7	1.1
	6H	2.9	3.1	3.3	3.5	4.0	3.9	4.1	4.3	4.5	4.9
	8H	4.9	5.0	5.3	5.5	6.0	5.9	6.1	6.4	6.6	7.0
12H	12H	7.0	7.2	7.5	7.6	8.1	8.2	8.3	8.7	8.8	9.3
	4H	-0.2	0.1	0.2	0.5	0.9	0.4	0.6	0.8	1.0	1.4
	6H	3.4	3.6	3.9	4.1	4.5	4.3	4.4	4.7	4.9	5.4
	8H	5.5	5.6	6.0	6.1	6.6	6.4	6.6	6.9	7.0	7.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.7 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.4 / -0.5					+2.7 / -0.7				
S = 2.0H		+2.4 / -0.8					+4.2 / -0.9				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 570lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 3 3000K NT
Reference	A3203011NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	8,40 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

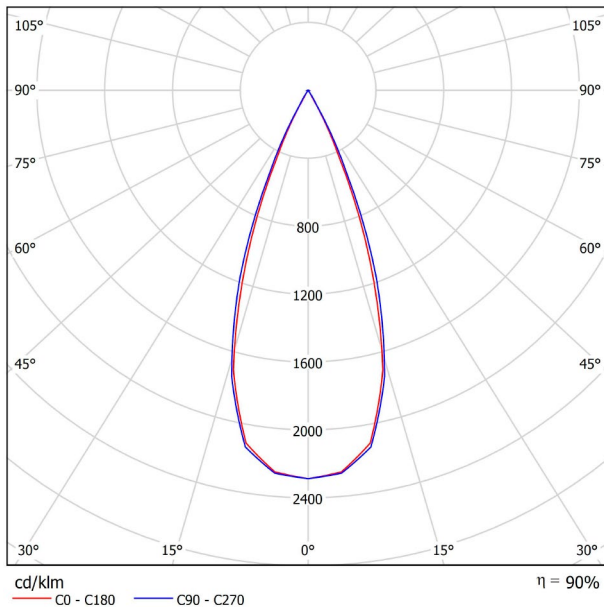
OTHER DATA

Ingress Protection	IP20
Weight	490 g.
Packaged weight	530 g.
Packaging dimensions	175 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

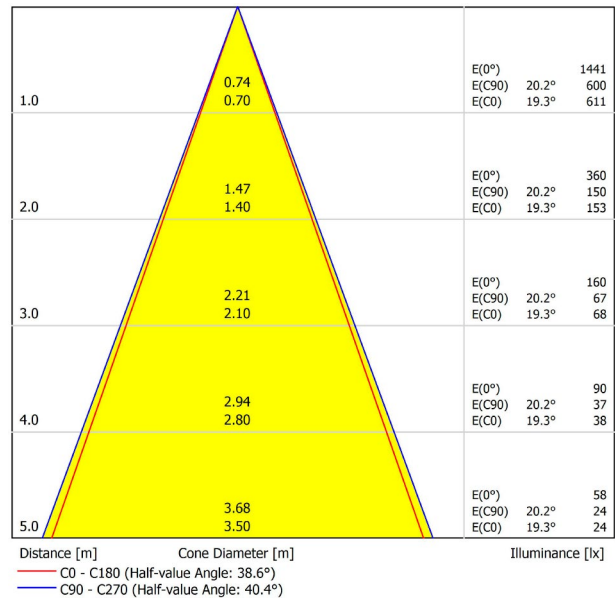


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POLAR DIAGRAM



CONICAL DIAGRAM

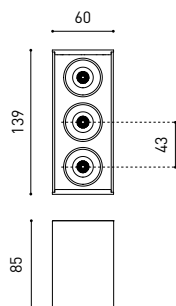


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-11.4	-10.8	-11.2	-10.6	-10.4	-11.5	-10.9	-11.3	-10.7	-10.5
	3H	-6.4	-5.9	-6.2	-5.6	-5.4	-5.6	-5.0	-5.3	-4.7	-4.5
	4H	-3.4	-2.9	-3.1	-2.6	-2.4	-2.2	-1.6	-1.9	-1.4	-1.1
	6H	-0.0	0.5	0.3	0.7	1.0	1.4	1.9	1.7	2.2	2.5
	8H	1.7	2.2	2.1	2.5	2.8	3.2	3.7	3.5	4.0	4.3
4H	12H	3.7	4.1	4.0	4.4	4.7	5.1	5.6	5.5	5.9	6.2
	2H	-9.8	-9.2	-9.5	-9.0	-8.7	-9.8	-9.3	-9.5	-9.0	-8.8
	3H	-4.7	-4.2	-4.3	-3.9	-3.6	-4.0	-3.5	-3.6	-3.2	-2.9
	4H	-1.6	-1.3	-1.3	-0.9	-0.6	-0.6	-0.2	-0.2	0.1	0.5
	6H	1.8	2.2	2.2	2.5	2.9	3.1	3.4	3.5	3.8	4.1
8H	8H	3.7	4.0	4.1	4.3	4.7	5.0	5.3	5.4	5.6	6.0
	12H	5.7	5.9	6.1	6.3	6.7	7.0	7.3	7.5	7.7	8.1
	4H	-0.4	-0.1	0.0	0.3	0.7	0.3	0.6	0.8	1.0	1.4
	6H	3.2	3.5	3.7	3.9	4.3	4.2	4.4	4.7	4.9	5.3
	8H	5.2	5.4	5.7	5.8	6.3	6.3	6.5	6.7	6.9	7.4
12H	12H	7.4	7.5	7.9	8.0	8.5	8.5	8.7	9.0	9.1	9.6
	4H	0.2	0.4	0.6	0.8	1.2	0.7	1.0	1.1	1.4	1.8
	6H	3.8	4.0	4.3	4.4	4.9	4.6	4.8	5.1	5.2	5.7
	8H	5.8	6.0	6.3	6.4	6.9	6.8	6.9	7.3	7.4	7.9
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.7 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.4 / -0.5					+2.7 / -0.7				
S = 2.0H		+2.4 / -0.8					+4.2 / -0.9				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 630lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 3 3000K WT
Reference	A3203011WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	8,40 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

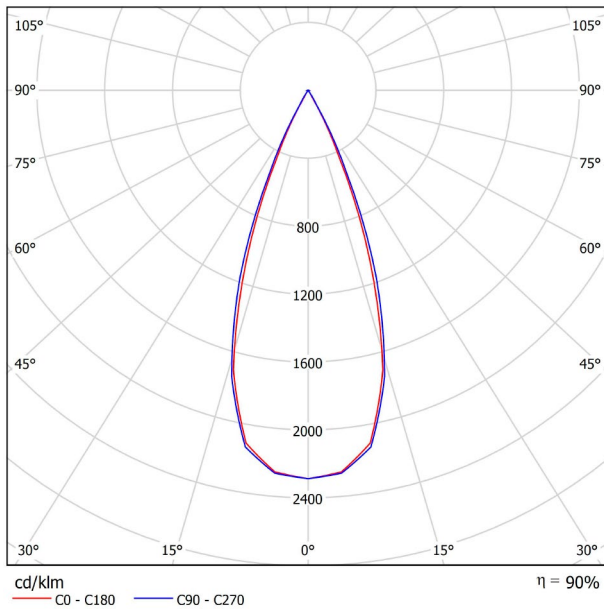
OTHER DATA

Ingress Protection	IP20
Weight	490 g.
Packaged weight	530 g.
Packaging dimensions	175 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

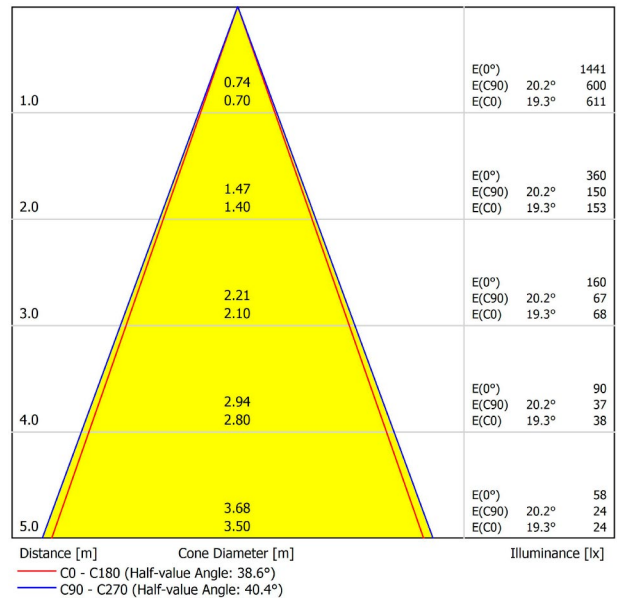


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

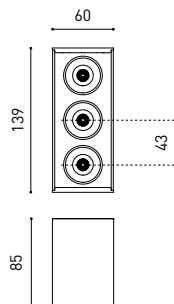


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-11.4	-10.8	-11.2	-10.6	-10.4	-11.5	-10.9	-11.3	-10.7	-10.5
	3H	-6.4	-5.9	-6.2	-5.6	-5.4	-5.6	-5.0	-5.3	-4.7	-4.5
	4H	-3.4	-2.9	-3.1	-2.6	-2.4	-2.2	-1.6	-1.9	-1.4	-1.1
	6H	-0.0	0.5	0.3	0.7	1.0	1.4	1.9	1.7	2.2	2.5
	8H	1.7	2.2	2.1	2.5	2.8	3.2	3.7	3.5	4.0	4.3
4H	12H	3.7	4.1	4.0	4.4	4.7	5.1	5.6	5.5	5.9	6.2
	2H	-9.8	-9.2	-9.5	-9.0	-8.7	-9.8	-9.3	-9.5	-9.0	-8.8
	3H	-4.7	-4.2	-4.3	-3.9	-3.6	-4.0	-3.5	-3.6	-3.2	-2.9
	4H	-1.6	-1.3	-1.3	-0.9	-0.6	-0.6	-0.2	-0.2	0.1	0.5
	6H	1.8	2.2	2.2	2.5	2.9	3.1	3.4	3.5	3.8	4.1
8H	8H	3.7	4.0	4.1	4.3	4.7	5.0	5.3	5.4	5.6	6.0
	12H	5.7	5.9	6.1	6.3	6.7	7.0	7.3	7.5	7.7	8.1
	4H	-0.4	-0.1	0.0	0.3	0.7	0.3	0.6	0.8	1.0	1.4
	6H	3.2	3.5	3.7	3.9	4.3	4.2	4.4	4.7	4.9	5.3
	8H	5.2	5.4	5.7	5.8	6.3	6.3	6.5	6.7	6.9	7.4
12H	12H	7.4	7.5	7.9	8.0	8.5	8.5	8.7	9.0	9.1	9.6
	4H	0.2	0.4	0.6	0.8	1.2	0.7	1.0	1.1	1.4	1.8
	6H	3.8	4.0	4.3	4.4	4.9	4.6	4.8	5.1	5.2	5.7
	8H	5.8	6.0	6.3	6.4	6.9	6.8	6.9	7.3	7.4	7.9
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.7 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.4 / -0.5					+2.7 / -0.7				
S = 2.0H		+2.4 / -0.8					+4.2 / -0.9				
Standard table		---					---				
Correction		---					---				
Summand											
Corrected Glare Indices referring to 630lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 3 4000K NT
Reference	A3203012NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	8,40 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

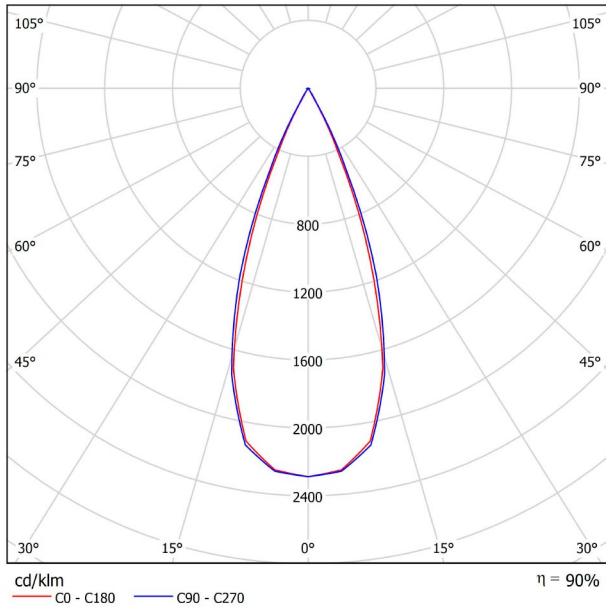
OTHER DATA

Ingress Protection	IP20
Weight	490 g.
Packaged weight	530 g.
Packaging dimensions	175 x 93 x 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

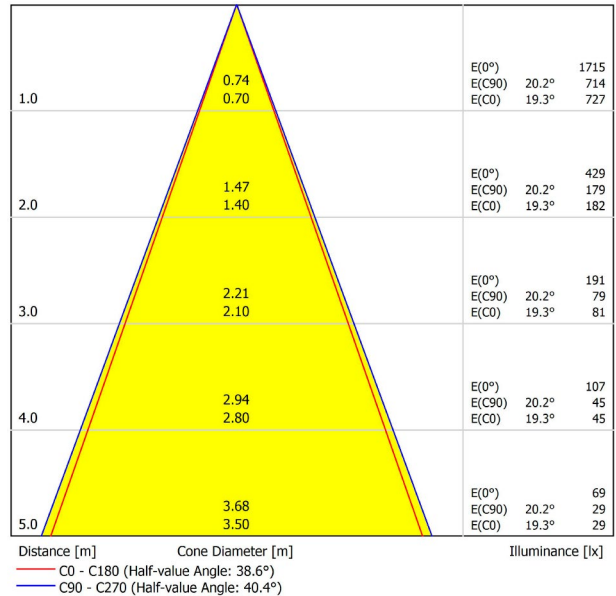


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POLAR DIAGRAM



CONICAL DIAGRAM

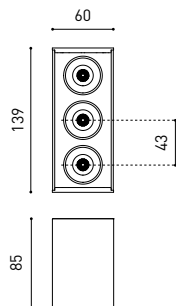


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-10.8	-10.2	-10.6	-10.0	-9.8	-10.9	-10.3	-10.7	-10.1	-9.9	
	3H	-5.8	-5.3	-5.6	-5.0	-4.8	-4.9	-4.4	-4.7	-4.1	-3.9	
	4H	-2.8	-2.3	-2.5	-2.0	-1.8	-1.6	-1.0	-1.3	-0.8	-0.5	
	6H	0.6	1.1	0.9	1.4	1.6	2.0	2.5	2.3	2.8	3.1	
	8H	2.3	2.8	2.7	3.1	3.4	3.8	4.3	4.2	4.6	4.9	
4H	12H	4.3	4.7	4.6	5.0	5.3	5.8	6.2	6.1	6.5	6.8	
	2H	-9.2	-8.6	-8.9	-8.4	-8.1	-9.2	-8.7	-8.9	-8.4	-8.2	
	3H	-4.1	-3.6	-3.7	-3.3	-3.0	-3.4	-2.9	-3.0	-2.6	-2.3	
	4H	-1.0	-0.6	-0.7	-0.3	0.0	-0.0	0.4	0.4	0.7	1.1	
	6H	2.4	2.8	2.8	3.1	3.5	3.7	4.0	4.1	4.4	4.7	
8H	8H	4.3	4.6	4.7	4.9	5.3	5.6	5.9	6.0	6.3	6.7	
	12H	6.3	6.5	6.7	6.9	7.3	7.6	7.9	8.1	8.3	8.7	
	4H	0.2	0.5	0.6	0.9	1.3	1.0	1.2	1.4	1.6	2.0	
	6H	3.8	4.1	4.3	4.5	4.9	4.8	5.0	5.3	5.5	5.9	
	8H	5.8	6.0	6.3	6.4	6.9	6.9	7.1	7.4	7.5	8.0	
12H	12H	8.0	8.1	8.5	8.6	9.1	9.1	9.3	9.6	9.7	10.2	
	4H	0.8	1.0	1.2	1.4	1.8	1.3	1.6	1.8	2.0	2.4	
	6H	4.4	4.6	4.9	5.0	5.5	5.2	5.4	5.7	5.8	6.3	
	8H	6.5	6.6	6.9	7.1	7.6	7.4	7.5	7.9	8.0	8.5	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.7 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.4 / -0.5					+2.7 / -0.7					
S = 2.0H		+2.4 / -0.8					+4.2 / -0.9					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 3 4000K WT
Reference	A3203012WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	8,40 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

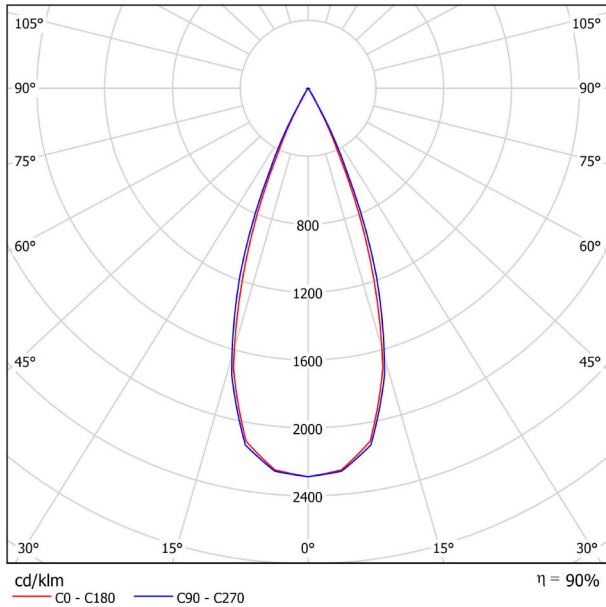
OTHER DATA

Ingress Protection	IP20
Weight	490 g.
Packaged weight	530 g.
Packaging dimensions	175 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

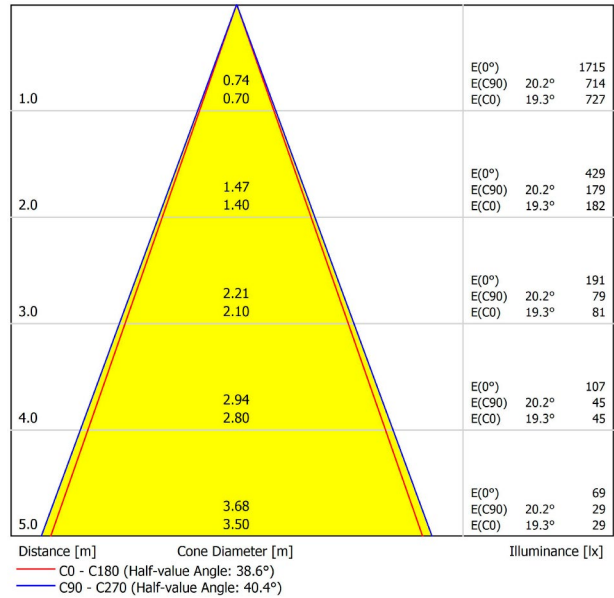


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

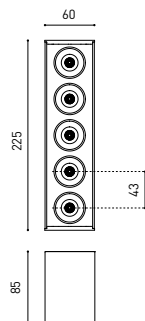


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-10.8	-10.2	-10.6	-10.0	-9.8	-10.9	-10.3	-10.7	-10.1	-9.9	
	3H	-5.8	-5.3	-5.6	-5.0	-4.8	-4.9	-4.4	-4.7	-4.1	-3.9	
	4H	-2.8	-2.3	-2.5	-2.0	-1.8	-1.6	-1.0	-1.3	-0.8	-0.5	
	6H	0.6	1.1	0.9	1.4	1.6	2.0	2.5	2.3	2.8	3.1	
	8H	2.3	2.8	2.7	3.1	3.4	3.8	4.3	4.2	4.6	4.9	
4H	12H	4.3	4.7	4.6	5.0	5.3	5.8	6.2	6.1	6.5	6.8	
	2H	-9.2	-8.6	-8.9	-8.4	-8.1	-9.2	-8.7	-8.9	-8.4	-8.2	
	3H	-4.1	-3.6	-3.7	-3.3	-3.0	-3.4	-2.9	-3.0	-2.6	-2.3	
	4H	-1.0	-0.6	-0.7	-0.3	0.0	-0.0	0.4	0.4	0.7	1.1	
	6H	2.4	2.8	2.8	3.1	3.5	3.7	4.0	4.1	4.4	4.7	
8H	8H	4.3	4.6	4.7	4.9	5.3	5.6	5.9	6.0	6.3	6.7	
	12H	6.3	6.5	6.7	6.9	7.3	7.6	7.9	8.1	8.3	8.7	
	4H	0.2	0.5	0.6	0.9	1.3	1.0	1.2	1.4	1.6	2.0	
	6H	3.8	4.1	4.3	4.5	4.9	4.8	5.0	5.3	5.5	5.9	
	8H	5.8	6.0	6.3	6.4	6.9	6.9	7.1	7.4	7.5	8.0	
12H	12H	8.0	8.1	8.5	8.6	9.1	9.1	9.3	9.6	9.7	10.2	
	4H	0.8	1.0	1.2	1.4	1.8	1.3	1.6	1.8	2.0	2.4	
	6H	4.4	4.6	4.9	5.0	5.5	5.2	5.4	5.7	5.8	6.3	
	8H	6.5	6.6	6.9	7.1	7.6	7.4	7.5	7.9	8.0	8.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.7 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.4 / -0.5					+2.7 / -0.7					
S = 2.0H		+2.4 / -0.8					+4.2 / -0.9					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 2700K NT
Reference	A3204010NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	14,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

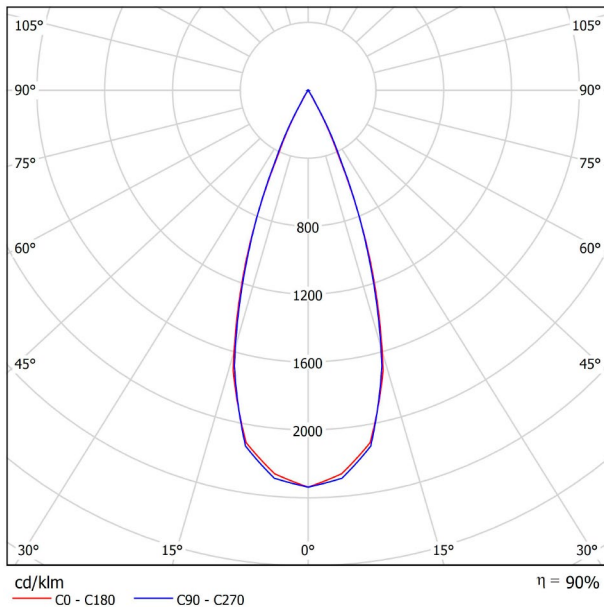
OTHER DATA

Ingress Protection	IP20
Weight	720 g.
Packaged weight	770 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

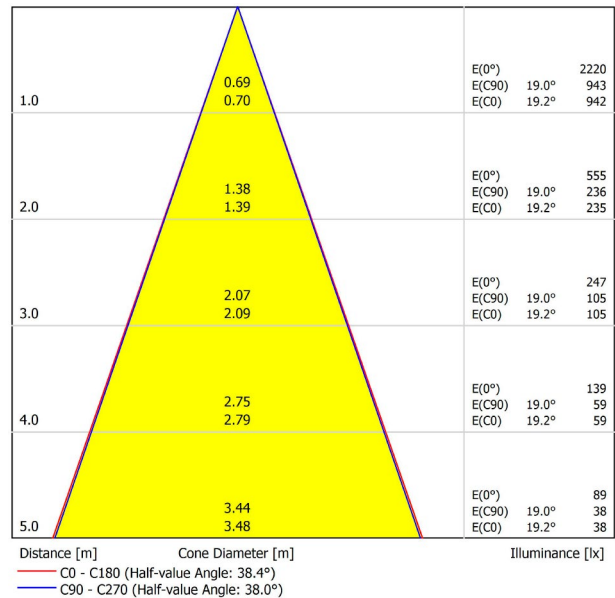


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POLAR DIAGRAM



CONICAL DIAGRAM

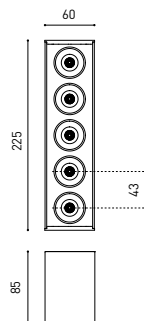


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6	
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3	
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4	
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1	
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9	
12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9		
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6	
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0	
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3	
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1	
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9	
12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0		
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0	
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6	
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6	
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8	
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5	
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2	
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 2700K WT
Reference	A3204010WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	14,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

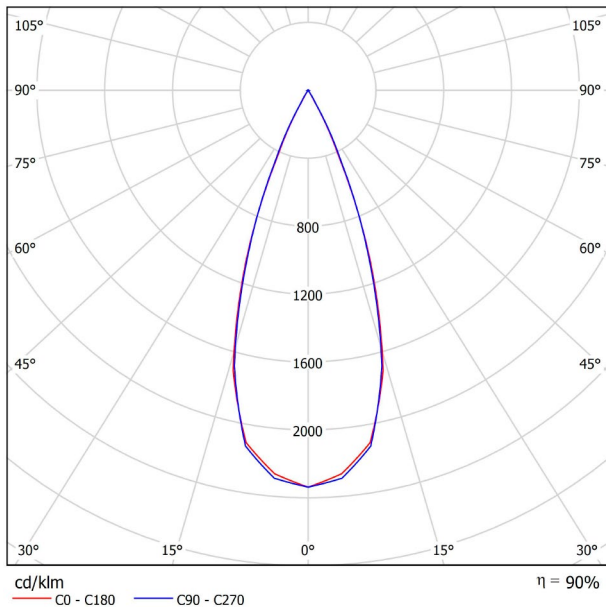
Ingress Protection	IP20
Weight	720 g.
Packaged weight	770 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

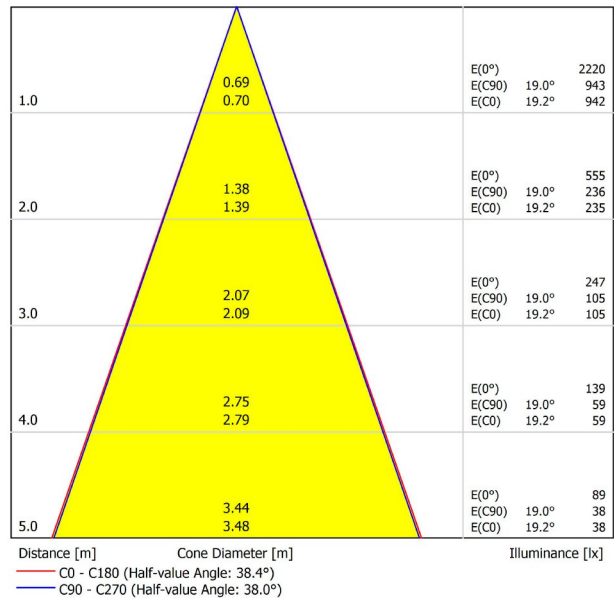


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POLAR DIAGRAM



CONICAL DIAGRAM

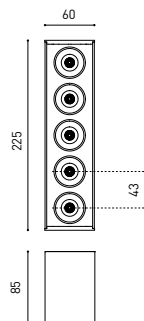


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6	
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3	
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4	
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1	
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9	
	12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9	
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6	
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0	
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3	
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1	
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9	
	12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0	
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0	
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6	
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6	
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8	
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5	
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2	
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 3000K NT
Reference	A3204011NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	14,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

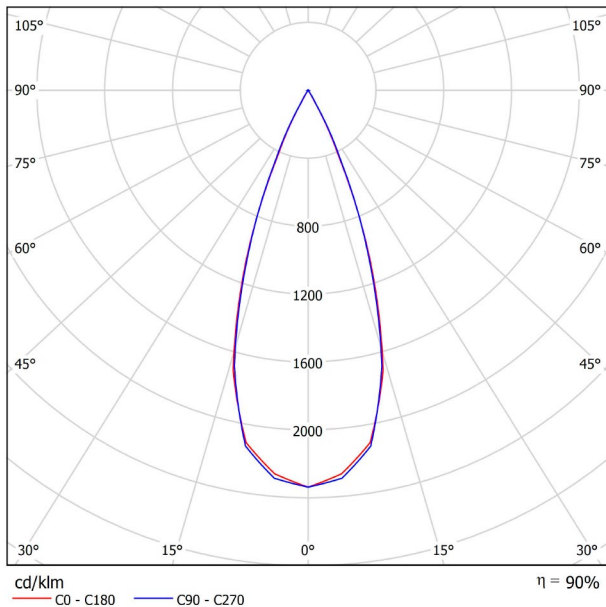
Ingress Protection	IP20
Weight	720 g.
Packaged weight	770 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

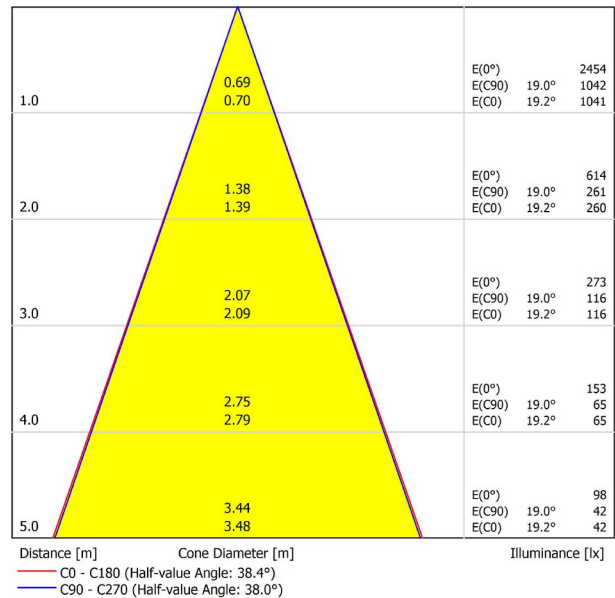


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POLAR DIAGRAM



CONICAL DIAGRAM

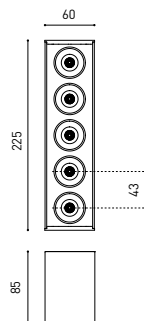


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3	
	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0	
	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0	
	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4	
	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2	
4H	12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3	
	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2	
	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7	
	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0	
	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4	
8H	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3	
	12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3	
	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4	
	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0	
	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9	
12H	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2	
	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9	
	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5	
	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 3000K WT
Reference	A3204011WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	14,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

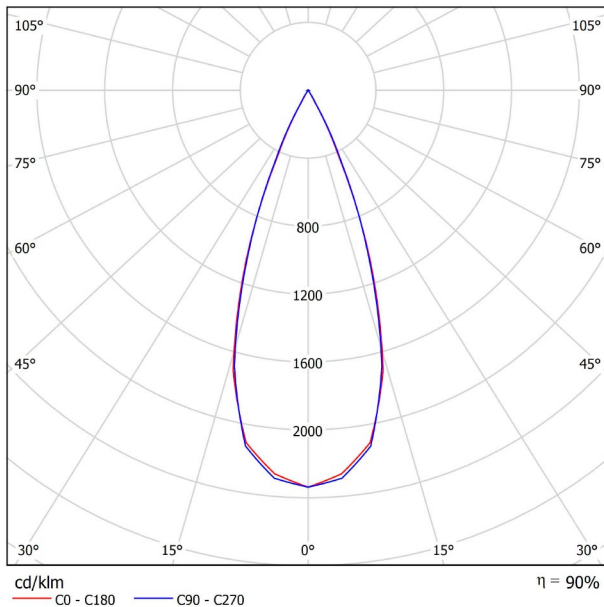
Ingress Protection	IP20
Weight	720 g.
Packaged weight	770 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

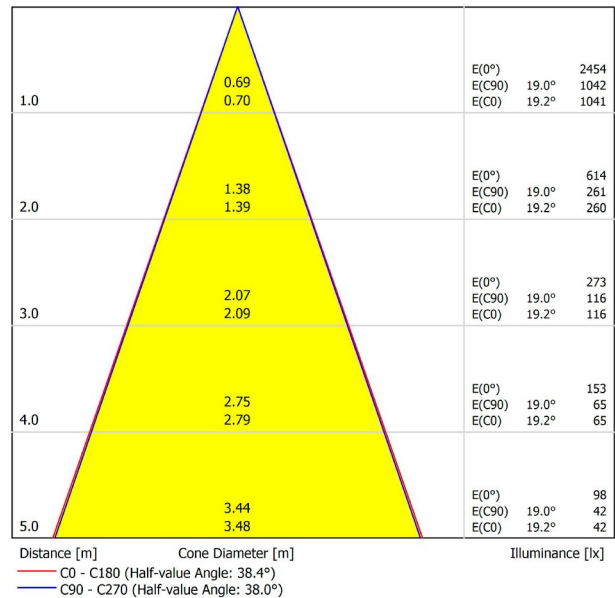


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POLAR DIAGRAM



CONICAL DIAGRAM

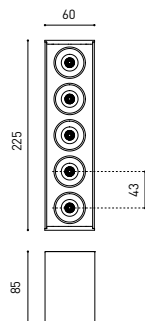


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3
	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0
	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0
	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4
	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2
4H	12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3
	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2
	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7
	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0
	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4
8H	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3
	12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3
	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4
	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0
	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9
12H	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2
	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9
	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1050lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 4000K NT
Reference	A3204012NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	14,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

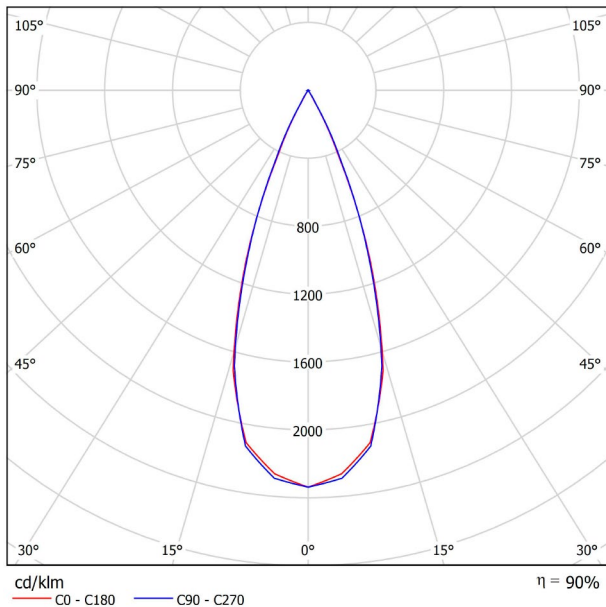
Ingress Protection	IP20
Weight	720 g.
Packaged weight	770 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

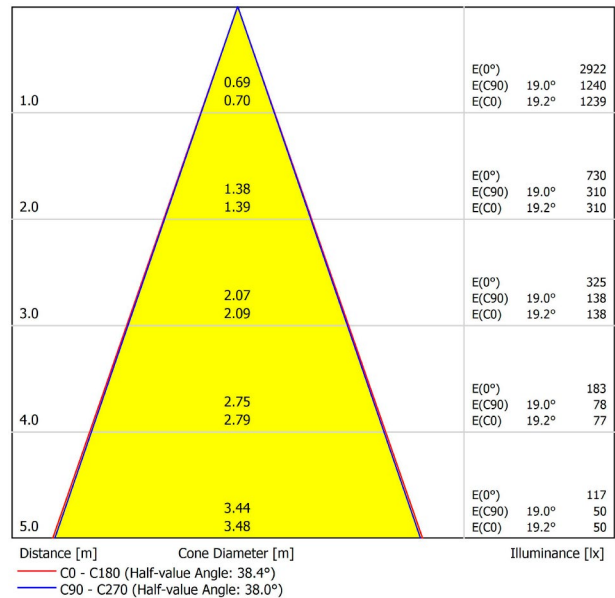


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POLAR DIAGRAM



CONICAL DIAGRAM

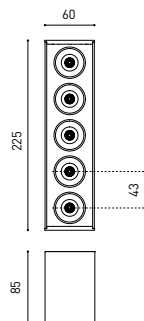


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
4H	12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9	
	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
8H	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
	12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0	
	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
12H	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 4000K WT
Reference	A3204012WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	14,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

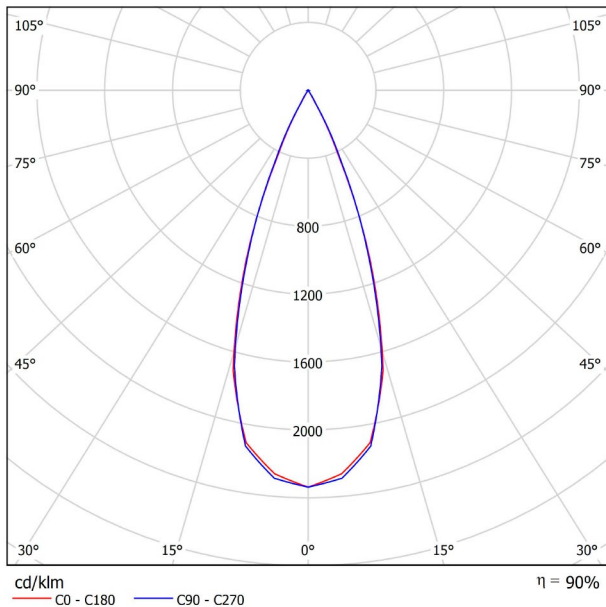
Ingress Protection	IP20
Weight	720 g.
Packaged weight	770 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

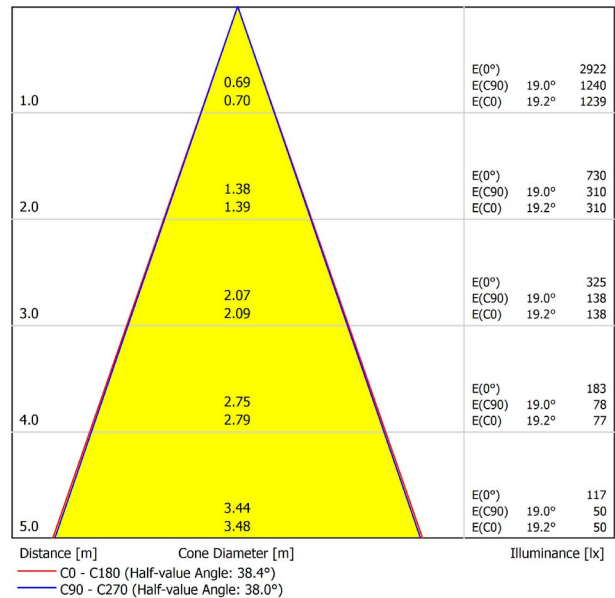


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POLAR DIAGRAM



CONICAL DIAGRAM

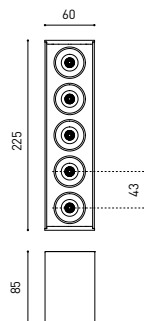


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9		
4H	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0		
8H	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
12H	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM DALI 2700K NT
Reference	A3204020NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

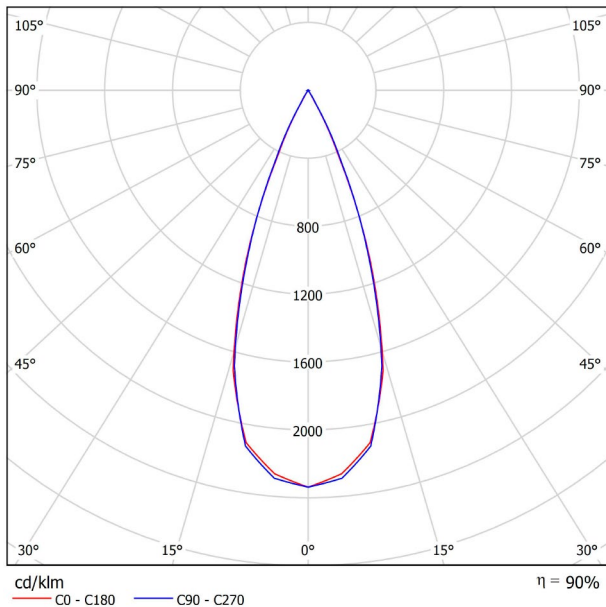
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

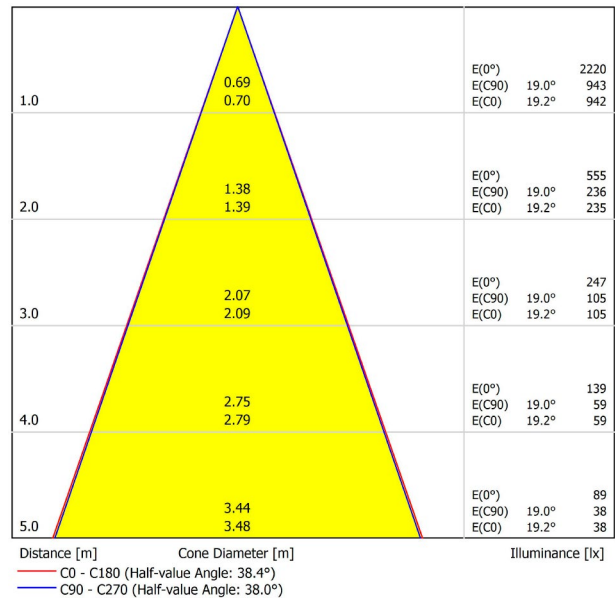


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POLAR DIAGRAM



CONICAL DIAGRAM

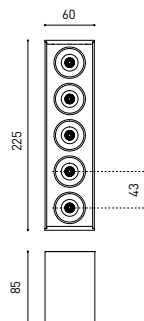


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6	
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3	
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4	
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1	
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9	
12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9		
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6	
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0	
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3	
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1	
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9	
12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0		
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0	
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6	
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6	
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8	
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5	
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2	
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM DALI 2700K WT
Reference	A3204020WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

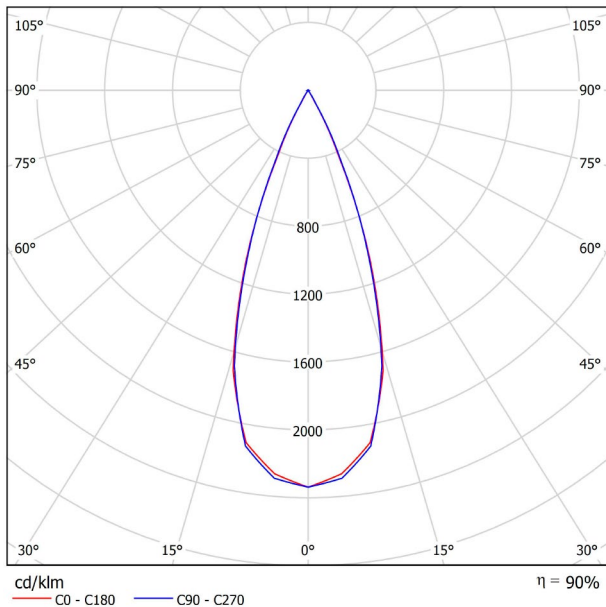
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

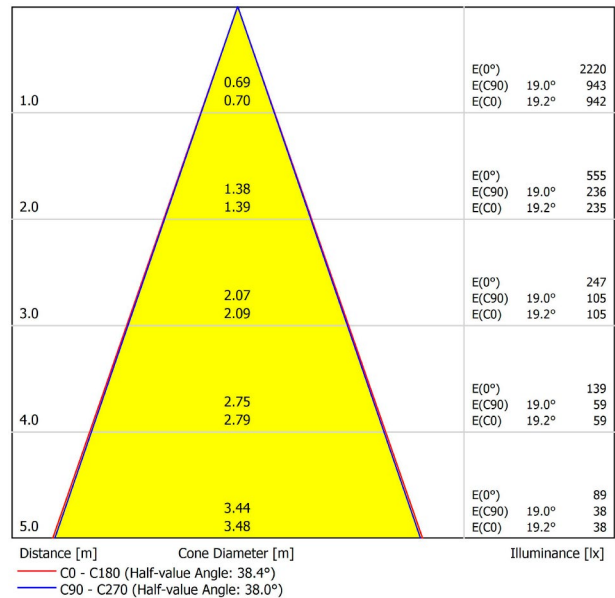


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POLAR DIAGRAM



CONICAL DIAGRAM

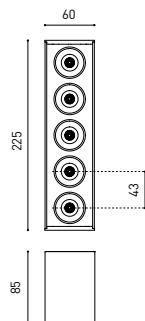


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9
	12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9
	12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 950lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 DIM DALI 3000K NT
Reference	A3204021NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

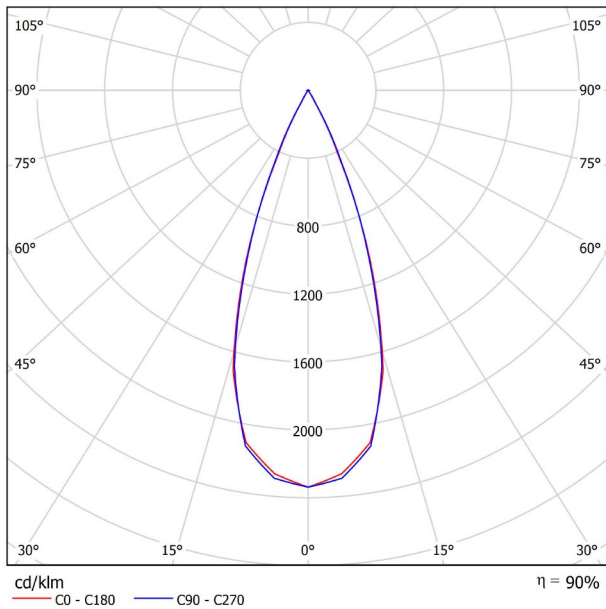
Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

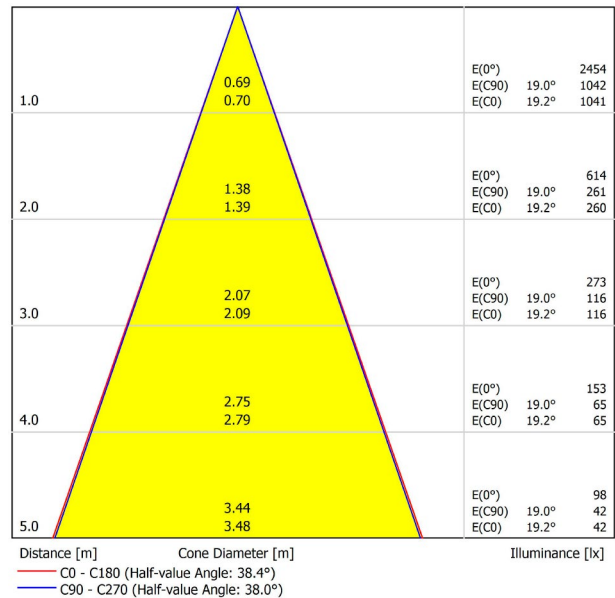


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

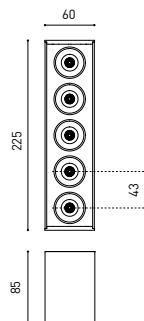


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3
	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0
	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0
	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4
	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2
4H	12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3
	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2
	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7
	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0
	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4
8H	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3
	12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3
	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4
	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0
	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9
12H	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2
	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9
	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1050lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 DIM DALI 3000K WT
Reference	A3204021WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

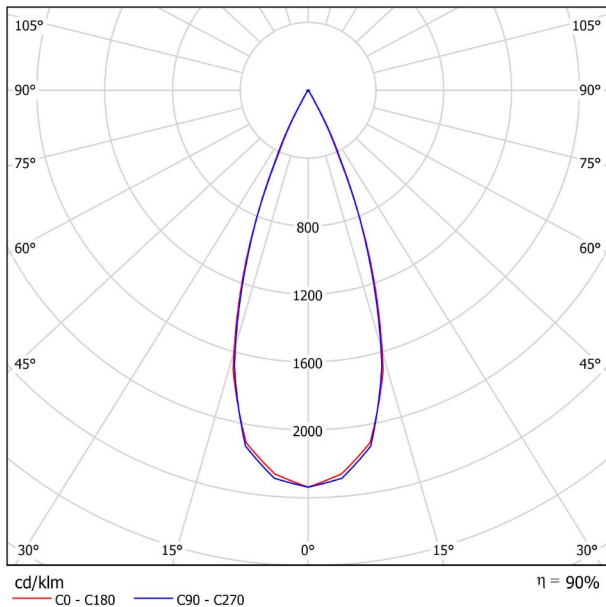
Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

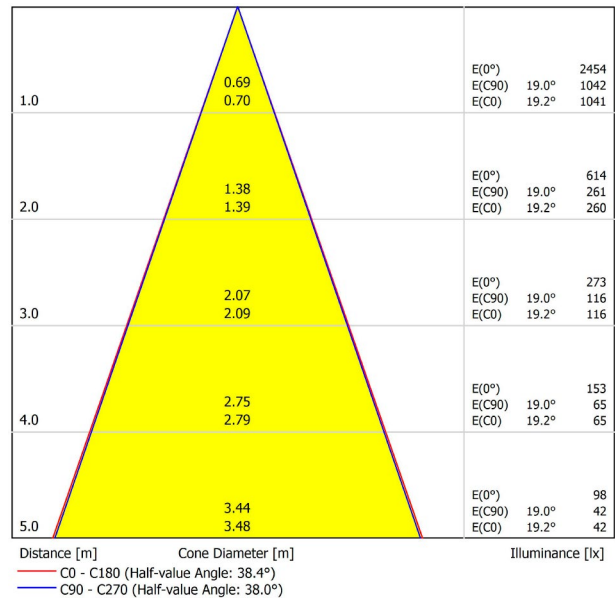


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POLAR DIAGRAM



CONICAL DIAGRAM

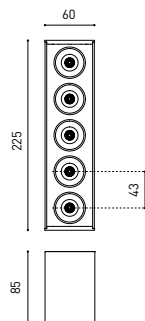


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3
	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0
	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0
	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4
	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2
4H	12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3
	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2
	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7
	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0
	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4
8H	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3
	12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3
	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4
	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0
	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9
12H	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2
	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9
	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1050lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM DALI 4000K NT
Reference	A3204022NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

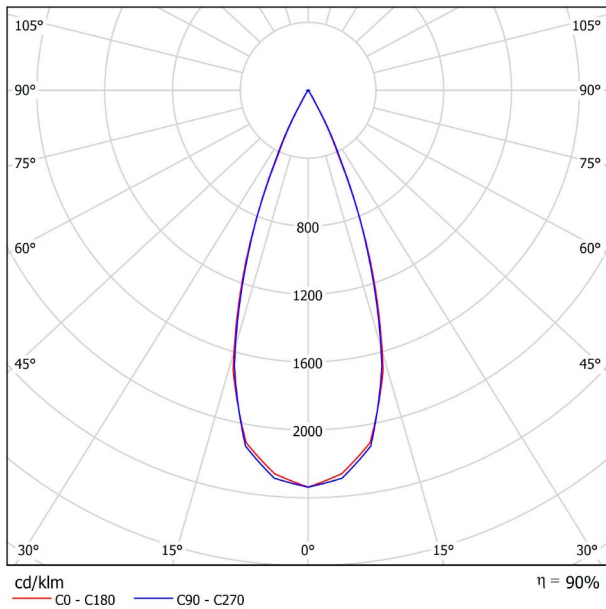
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

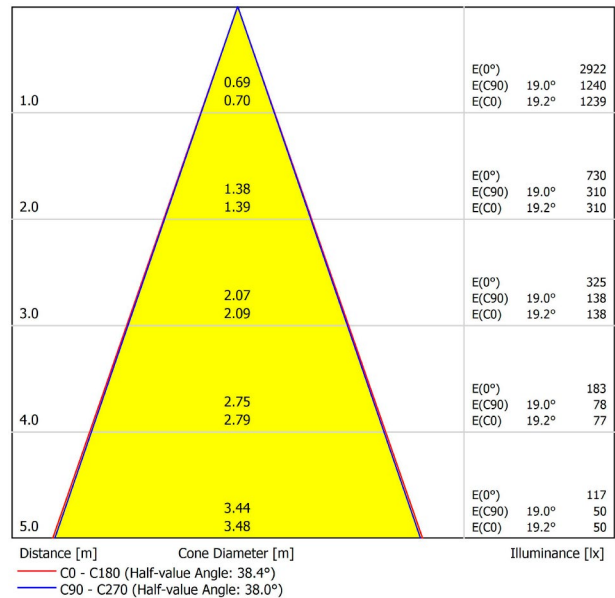


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

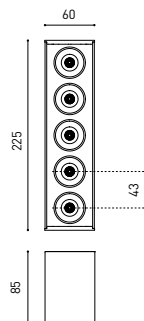


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
	12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9	
4H	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
	12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0	
8H	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
12H	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM DALI 4000K WT
Reference	A3204022WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

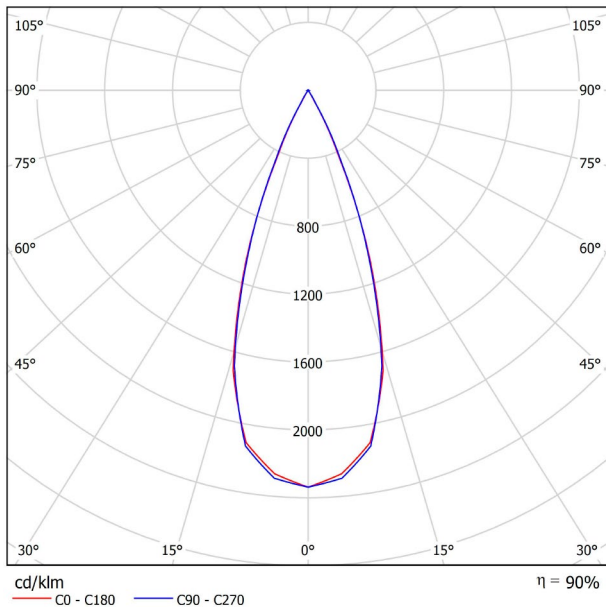
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

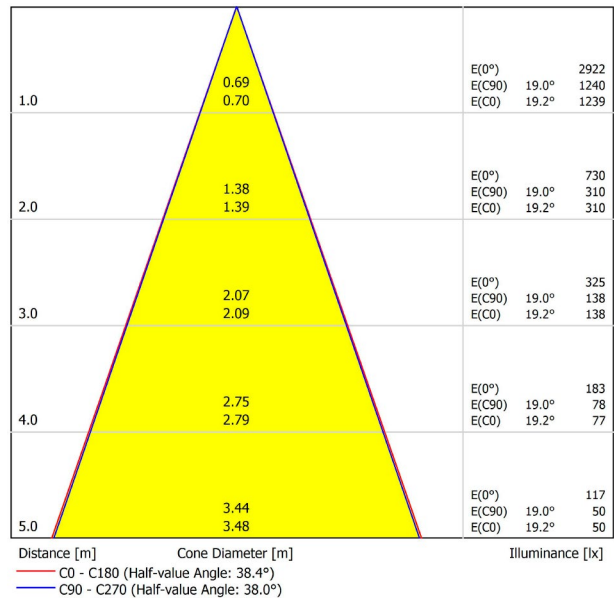


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POLAR DIAGRAM



CONICAL DIAGRAM

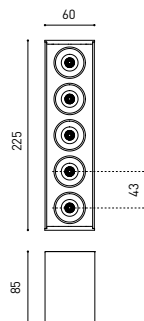


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
	12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9	
4H	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
	12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0	
8H	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
12H	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM PUSH 2700K NT
Reference	A3204030NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

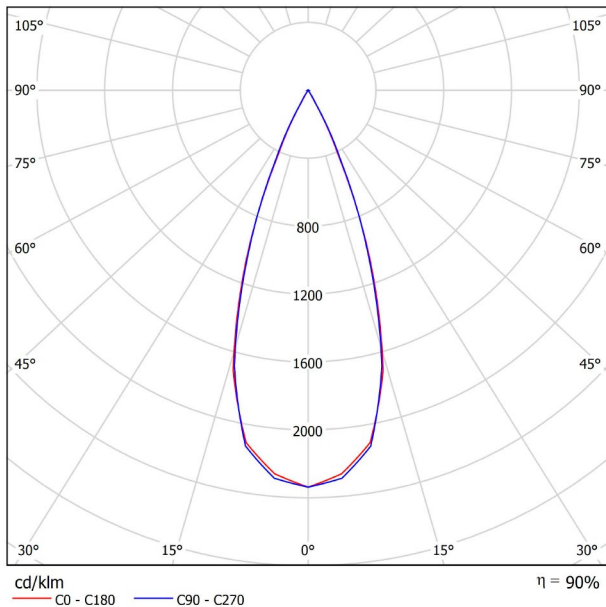
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

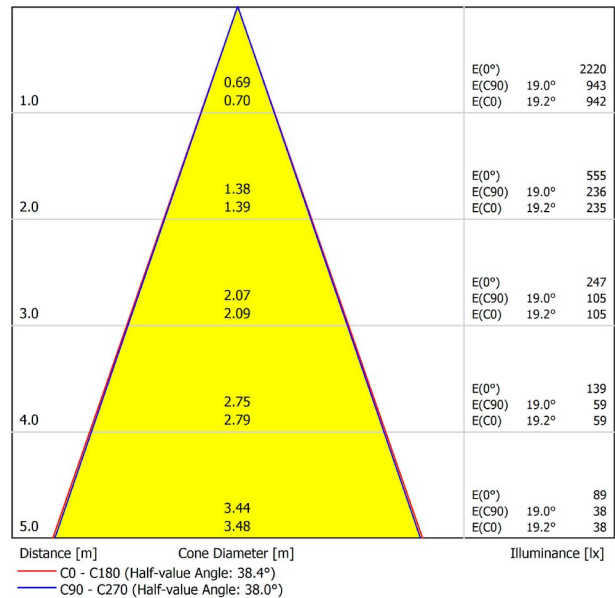


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

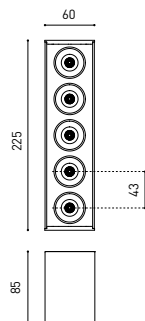


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6	
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3	
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4	
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1	
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9	
	12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9	
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6	
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0	
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3	
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1	
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9	
	12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0	
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0	
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6	
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6	
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8	
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5	
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2	
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 DIM PUSH 2700K WT
Reference	A3204030WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

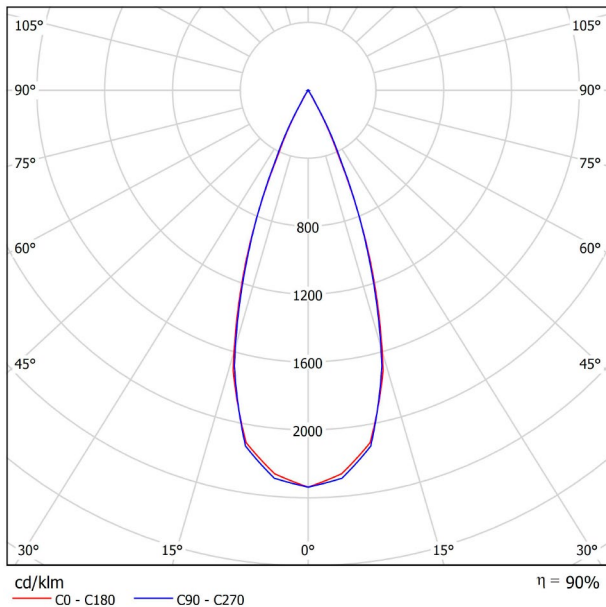
Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

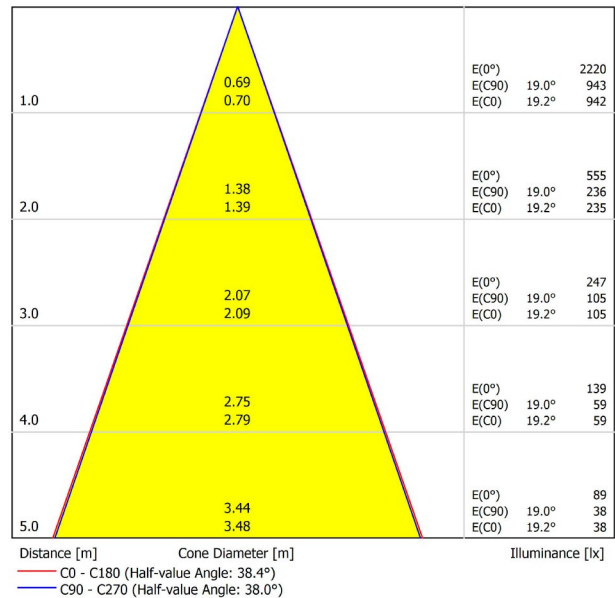


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

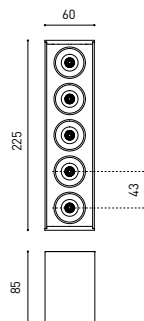


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6	
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3	
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4	
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1	
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9	
	12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9	
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6	
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0	
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3	
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1	
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9	
	12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0	
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0	
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6	
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6	
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8	
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5	
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2	
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM PUSH 3000K NT
Reference	A3204031NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

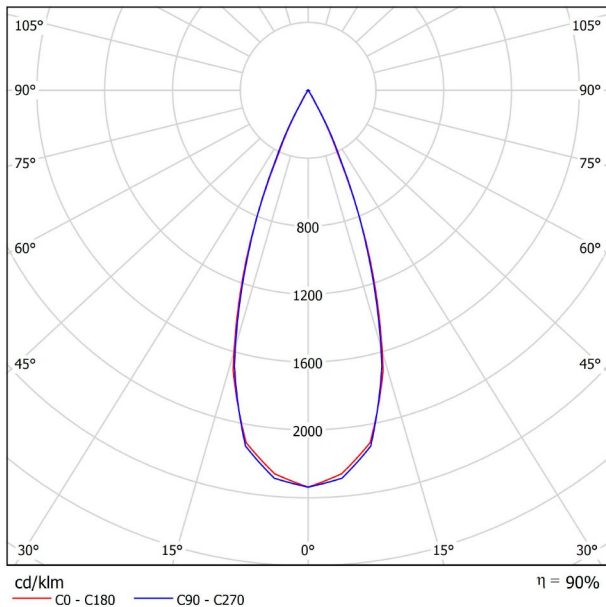
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

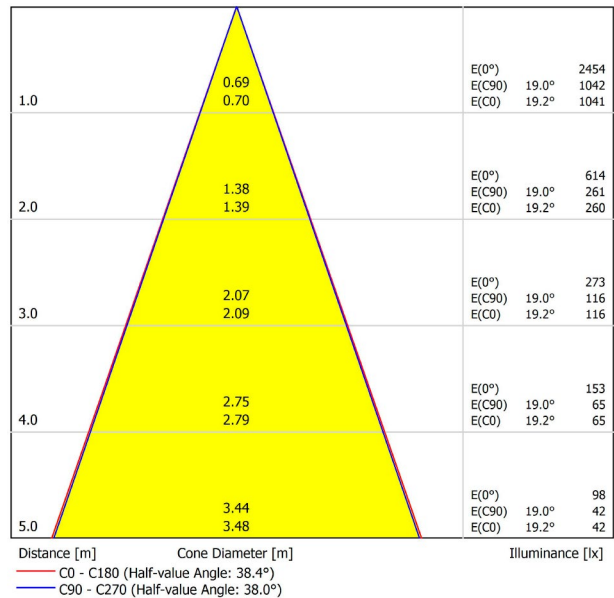


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

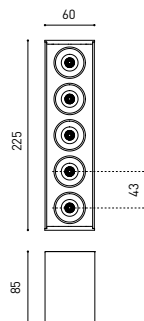


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3
	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0
	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0
	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4
	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2
12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3	
4H	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2
	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7
	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0
	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4
	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3
12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3	
8H	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4
	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0
	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9
	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2
12H	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9
	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction Summand		---					---				
Corrected Glare Indices referring to 1050lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 DIM PUSH 3000K WT
Reference	A3204031WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

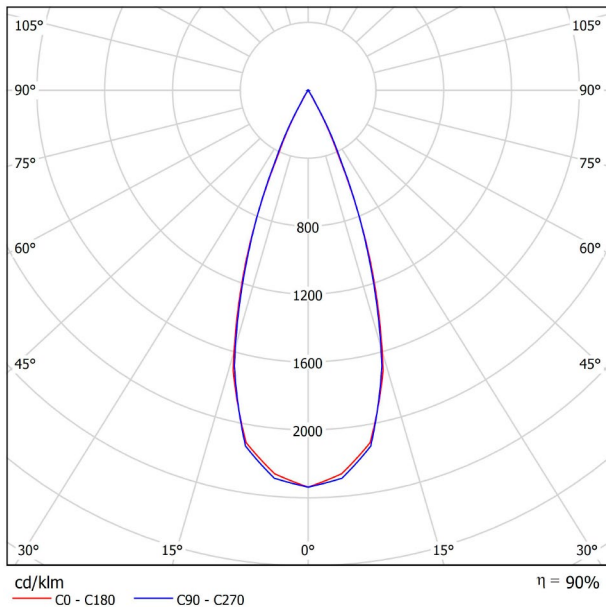
Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

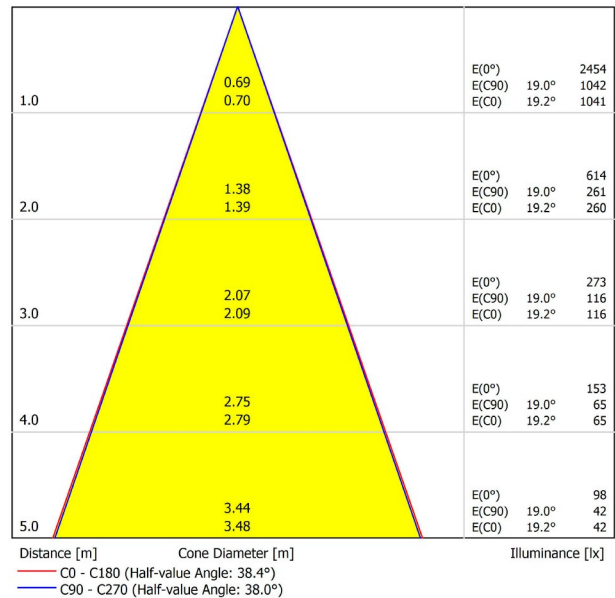


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POLAR DIAGRAM



CONICAL DIAGRAM

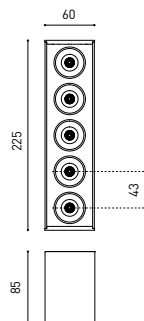


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3
	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0
	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0
	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4
	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2
4H	12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3
	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2
	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7
	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0
	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4
8H	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3
	12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3
	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4
	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0
	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9
12H	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2
	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9
	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1050lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM PUSH 4000K NT
Reference	A3204032NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

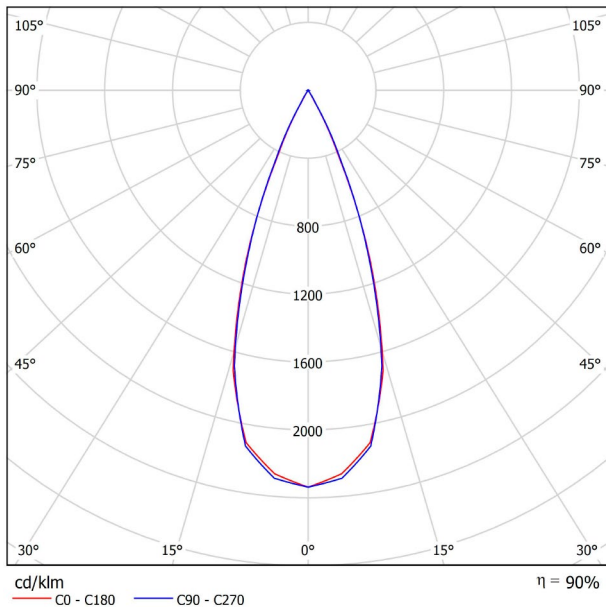
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

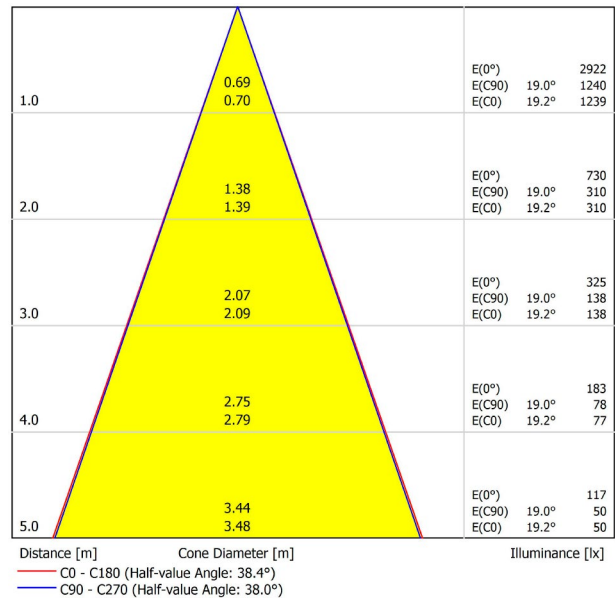


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

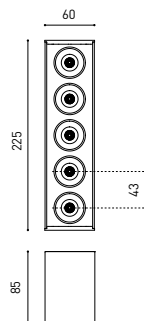


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
	12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9	
4H	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
	12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0	
8H	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
12H	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM PUSH 4000K WT
Reference	A3204032WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	12,21 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

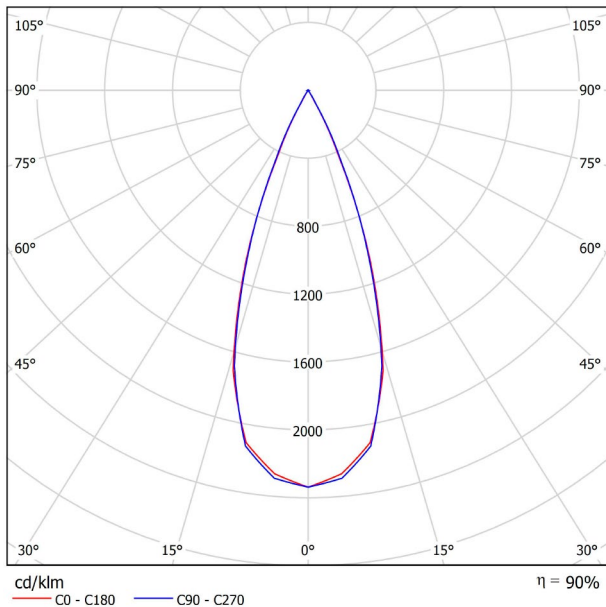
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

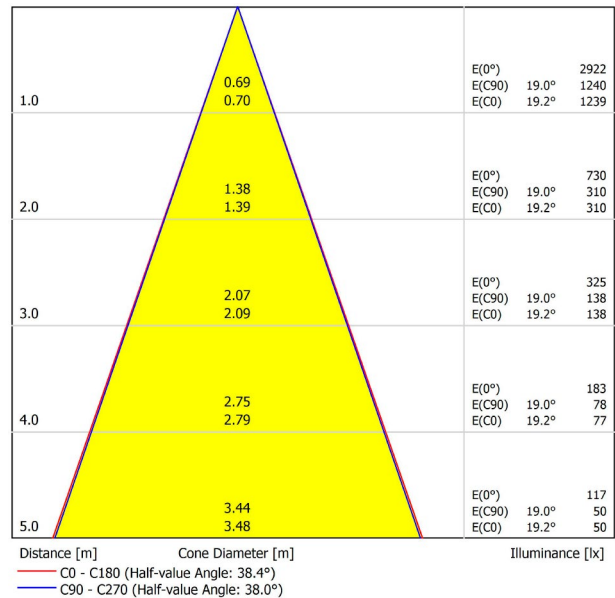


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

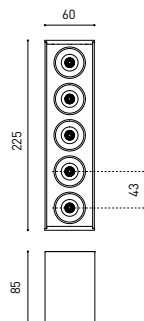


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
4H	12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9	
	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
8H	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
	12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0	
	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
12H	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM 1/10V 2700K NT
Reference	A3204040NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

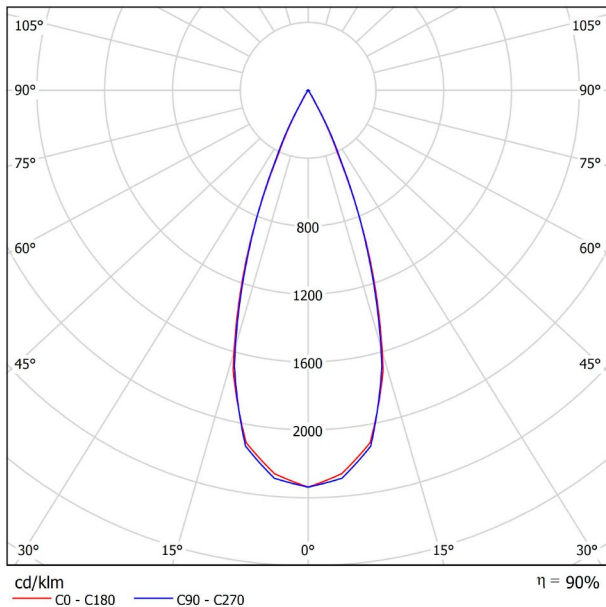
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

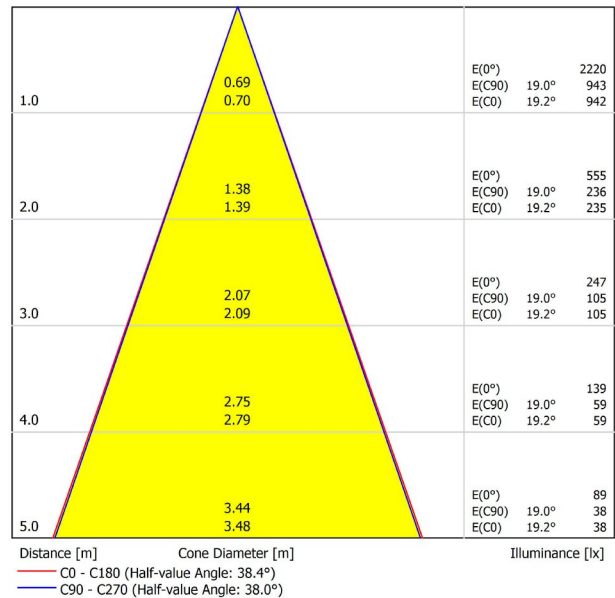


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

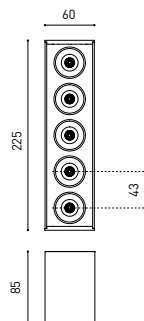


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6	
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3	
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4	
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1	
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9	
	12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9	
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6	
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0	
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3	
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1	
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9	
	12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0	
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0	
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6	
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6	
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8	
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5	
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2	
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 5 DIM 1/10V 2700K WT
Reference	A3204040WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

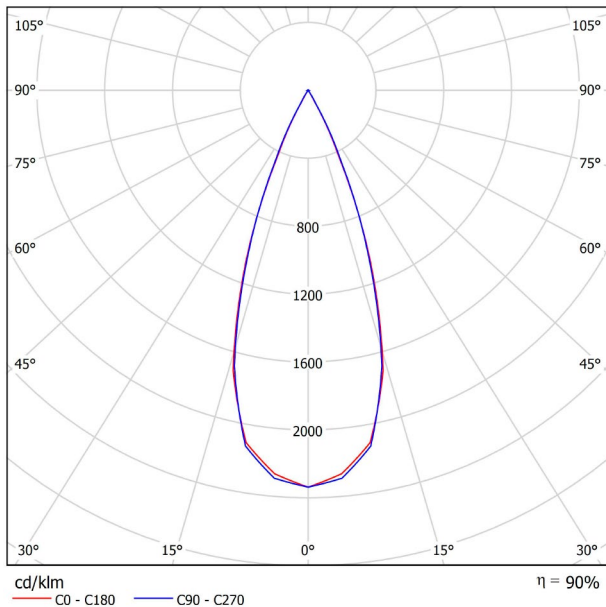
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

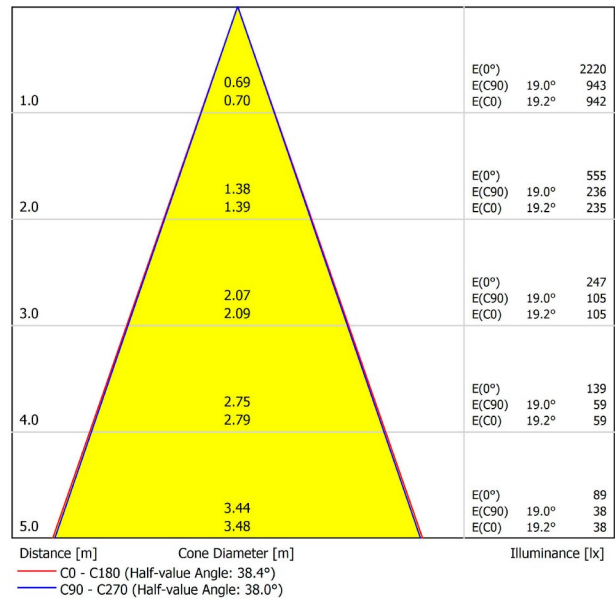


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POLAR DIAGRAM



CONICAL DIAGRAM

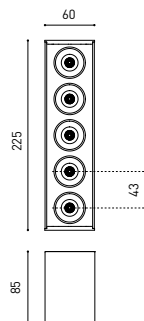


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.8	-13.2	-13.6	-13.0	-12.8	-14.7	-14.0	-14.4	-13.8	-13.6	
	3H	-7.5	-6.9	-7.2	-6.7	-6.5	-7.4	-6.8	-7.1	-6.6	-6.3	
	4H	-4.0	-3.5	-3.7	-3.2	-3.0	-3.4	-2.9	-3.1	-2.6	-2.4	
	6H	-0.4	0.1	-0.1	0.4	0.7	0.0	0.5	0.3	0.8	1.1	
	8H	1.5	2.0	1.8	2.3	2.5	1.8	2.3	2.1	2.6	2.9	
	12H	3.5	3.9	3.8	4.2	4.5	3.8	4.3	4.2	4.6	4.9	
4H	2H	-11.3	-10.7	-11.0	-10.5	-10.2	-11.6	-11.1	-11.3	-10.8	-10.6	
	3H	-5.3	-4.8	-4.9	-4.5	-4.2	-5.1	-4.6	-4.8	-4.3	-4.0	
	4H	-1.9	-1.5	-1.5	-1.1	-0.8	-1.4	-1.0	-1.0	-0.7	-0.3	
	6H	1.7	2.0	2.1	2.4	2.8	2.0	2.3	2.4	2.7	3.1	
	8H	3.6	3.9	4.0	4.2	4.6	3.8	4.1	4.3	4.5	4.9	
	12H	5.6	5.8	6.0	6.2	6.7	5.9	6.2	6.4	6.6	7.0	
8H	4H	-0.3	-0.0	0.1	0.3	0.7	-0.0	0.3	0.4	0.6	1.0	
	6H	3.3	3.5	3.8	4.0	4.4	3.5	3.7	4.0	4.2	4.6	
	8H	5.3	5.5	5.8	5.9	6.4	5.5	5.7	6.0	6.1	6.6	
	12H	7.5	7.6	7.9	8.1	8.6	7.7	7.9	8.2	8.3	8.8	
12H	4H	0.2	0.4	0.6	0.8	1.3	0.4	0.7	0.9	1.1	1.5	
	6H	3.9	4.1	4.4	4.5	5.0	4.1	4.3	4.5	4.7	5.2	
	8H	6.0	6.1	6.5	6.6	7.1	6.2	6.3	6.6	6.8	7.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS

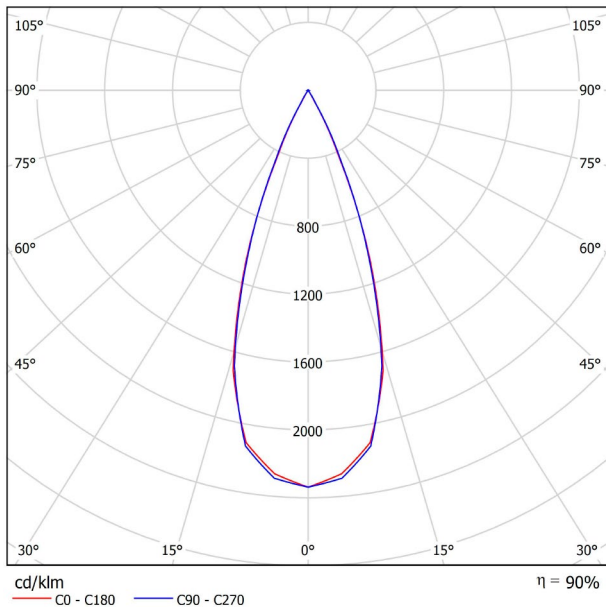


PRODUCT	
Name	BLACK FOSTER SURF 5 DIM 1/10V 3000K NT
Reference	A3204041NT
Color	Textured black
RAL	9005
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h
OTHER DATA	
Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

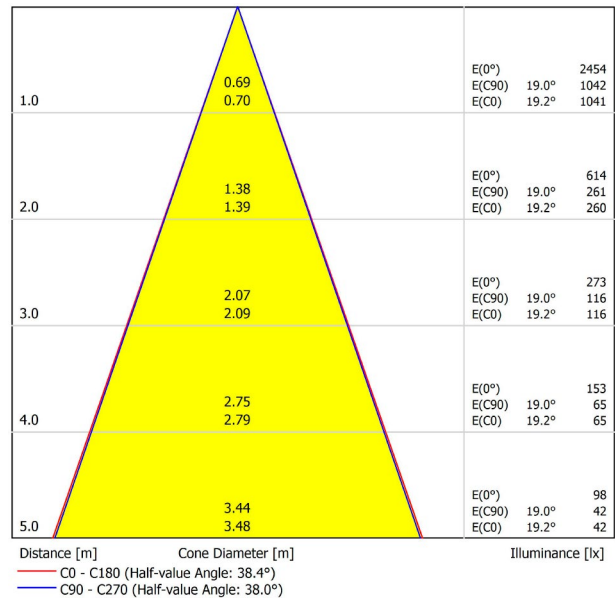


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POLAR DIAGRAM



CONICAL DIAGRAM

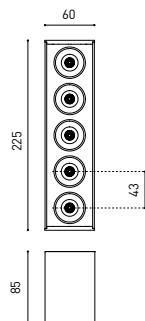


UGR

Glare Evaluation According to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3
3H	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0
4H	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0
6H	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4
8H	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2
12H	12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3
4H	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2
3H	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7
4H	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0
6H	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4
8H	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3
12H	12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3
8H	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4
6H	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0
8H	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9
12H	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2
12H	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9
6H	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5
8H	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9	/	-0.3			+1.3	/	-0.4		
S = 1.5H		+1.9	/	-0.6			+2.7	/	-0.7		
S = 2.0H		+3.1	/	-0.8			+4.2	/	-1.0		
Standard table		---		---			---		---		
Correction		---		---			---		---		
Summand		---		---			---		---		
Corrected Glare Indices referring to 1050lm Total Luminous Flux											



DIMENSIONS



AWARDS

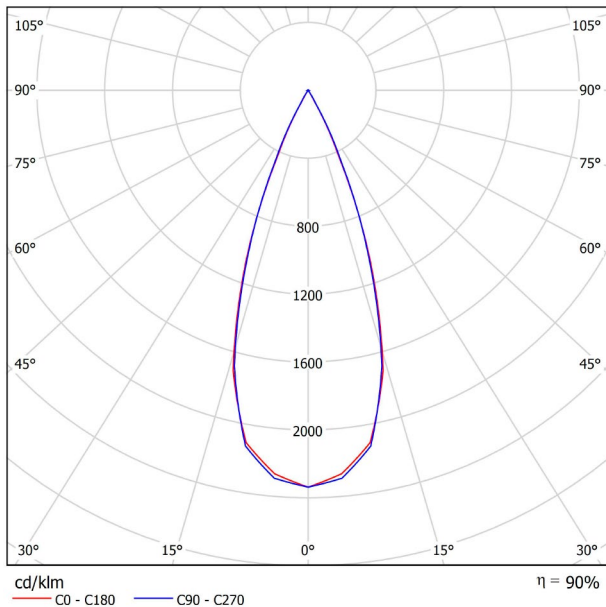


PRODUCT	
Name	BLACK FOSTER SURF 5 DIM 1/10V 3000K WT
Reference	A3204041WT
Color	Textured white
RAL	9016
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h
OTHER DATA	
Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

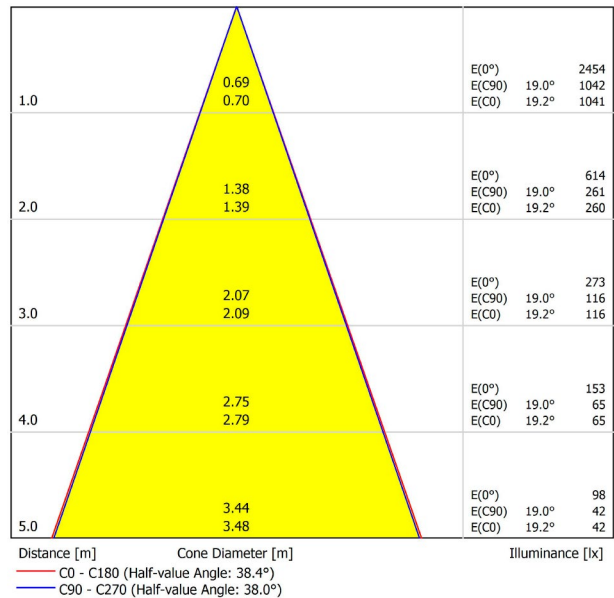


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

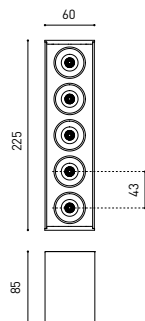


UGR

Glare Evaluation According to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.5	-12.8	-13.2	-12.7	-12.5	-14.3	-13.7	-14.1	-13.5	-13.3
3H	3H	-7.2	-6.6	-6.9	-6.4	-6.1	-7.0	-6.5	-6.8	-6.2	-6.0
4H	4H	-3.7	-3.1	-3.4	-2.9	-2.6	-3.1	-2.5	-2.8	-2.3	-2.0
6H	6H	-0.0	0.5	0.3	0.8	1.0	0.4	0.9	0.7	1.1	1.4
8H	8H	1.8	2.3	2.2	2.6	2.9	2.2	2.6	2.5	2.9	3.2
12H	12H	3.8	4.3	4.2	4.6	4.9	4.2	4.6	4.5	5.0	5.3
4H	2H	-10.9	-10.4	-10.6	-10.1	-9.9	-11.3	-10.7	-11.0	-10.5	-10.2
3H	3H	-4.9	-4.5	-4.6	-4.2	-3.9	-4.8	-4.3	-4.4	-4.0	-3.7
4H	4H	-1.5	-1.1	-1.1	-0.8	-0.4	-1.1	-0.7	-0.7	-0.3	0.0
6H	6H	2.0	2.4	2.4	2.7	3.1	2.4	2.7	2.8	3.0	3.4
8H	8H	3.9	4.2	4.3	4.6	5.0	4.2	4.5	4.6	4.9	5.3
12H	12H	6.0	6.2	6.4	6.6	7.0	6.3	6.5	6.7	6.9	7.3
8H	4H	0.0	0.3	0.4	0.7	1.1	0.3	0.6	0.7	1.0	1.4
6H	6H	3.7	3.9	4.1	4.3	4.7	3.9	4.1	4.3	4.5	5.0
8H	8H	5.6	5.8	6.1	6.3	6.7	5.8	6.0	6.3	6.5	6.9
12H	12H	7.8	7.9	8.3	8.4	8.9	8.1	8.2	8.6	8.7	9.2
12H	4H	0.5	0.8	1.0	1.2	1.6	0.8	1.0	1.2	1.4	1.9
6H	6H	4.3	4.4	4.7	4.9	5.3	4.4	4.6	4.9	5.0	5.5
8H	8H	6.3	6.5	6.8	6.9	7.4	6.5	6.6	7.0	7.1	7.6
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9	/	-0.3			+1.3	/	-0.4		
S = 1.5H		+1.9	/	-0.6			+2.7	/	-0.7		
S = 2.0H		+3.1	/	-0.8			+4.2	/	-1.0		
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1050lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 5 DIM 1/10V 4000K NT
Reference	A3204042NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

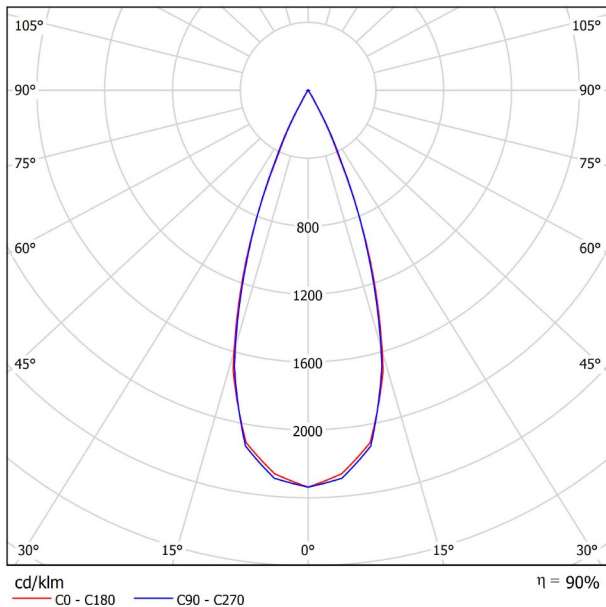
OTHER DATA

Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

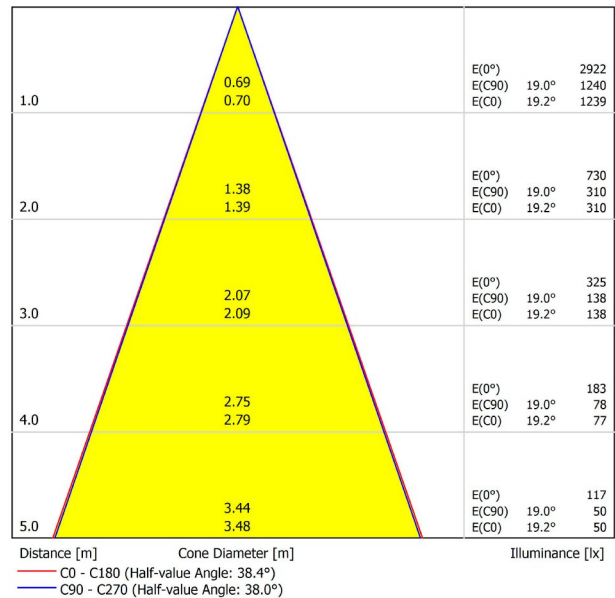


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

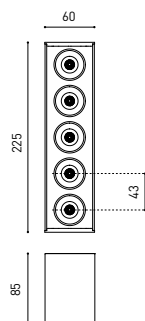


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
4H	12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9	
	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
8H	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
	12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0	
	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
12H	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS

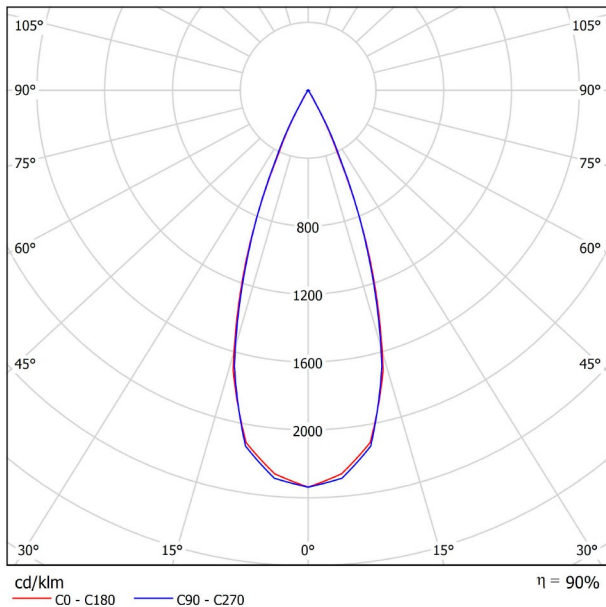


PRODUCT	
Name	BLACK FOSTER SURF 5 DIM 1/10V 4000K WT
Reference	A3204042WT
Color	Textured white
RAL	9016
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h
OTHER DATA	
Ingress Protection	IP20
Weight	800 g.
Packaged weight	850 g.
Packaging dimensions	254 × 93 × 70 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

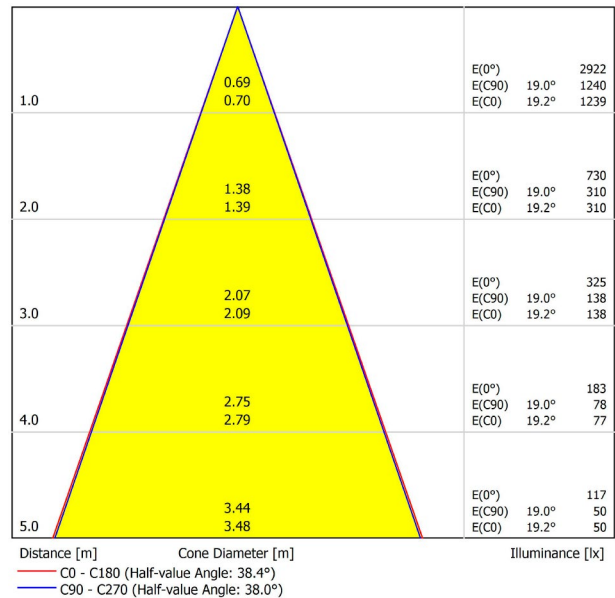


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

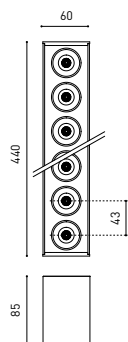


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-12.9	-12.2	-12.6	-12.1	-11.9	-13.7	-13.1	-13.5	-12.9	-12.7	
	3H	-6.6	-6.0	-6.3	-5.8	-5.5	-6.4	-5.8	-6.2	-5.6	-5.4	
	4H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.5	-1.9	-2.2	-1.7	-1.4	
	6H	0.6	1.1	0.9	1.4	1.6	1.0	1.5	1.3	1.7	2.0	
	8H	2.4	2.9	2.8	3.2	3.5	2.8	3.2	3.1	3.5	3.8	
	12H	4.4	4.9	4.8	5.2	5.5	4.8	5.3	5.1	5.6	5.9	
4H	2H	-10.3	-9.8	-10.0	-9.5	-9.3	-10.7	-10.1	-10.4	-9.9	-9.6	
	3H	-4.3	-3.9	-4.0	-3.6	-3.3	-4.1	-3.7	-3.8	-3.4	-3.1	
	4H	-0.9	-0.5	-0.5	-0.2	0.2	-0.4	-0.1	-0.1	0.3	0.6	
	6H	2.7	3.0	3.0	3.3	3.7	3.0	3.3	3.4	3.6	4.0	
	8H	4.5	4.8	4.9	5.2	5.6	4.8	5.1	5.2	5.5	5.9	
	12H	6.6	6.8	7.0	7.2	7.6	6.9	7.1	7.3	7.5	8.0	
8H	4H	0.6	0.9	1.0	1.3	1.7	0.9	1.2	1.3	1.6	2.0	
	6H	4.3	4.5	4.7	4.9	5.4	4.5	4.7	4.9	5.1	5.6	
	8H	6.2	6.4	6.7	6.9	7.3	6.4	6.6	6.9	7.1	7.5	
	12H	8.4	8.5	8.9	9.0	9.5	8.7	8.8	9.2	9.3	9.8	
12H	4H	1.2	1.4	1.6	1.8	2.2	1.4	1.6	1.8	2.0	2.5	
	6H	4.9	5.0	5.3	5.5	6.0	5.0	5.2	5.5	5.7	6.1	
	8H	6.9	7.1	7.4	7.5	8.0	7.1	7.2	7.6	7.7	8.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 2700K NT
Reference	A3205010NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,86 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

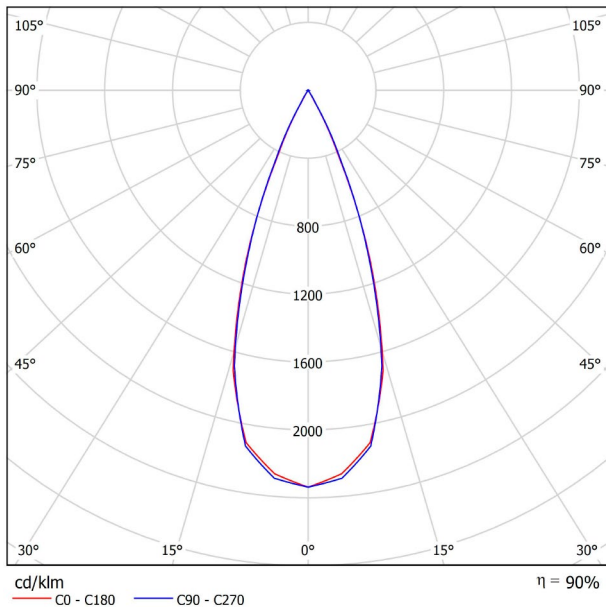
OTHER DATA

Ingress Protection	IP20
Weight	1340 g.
Packaged weight	1950 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

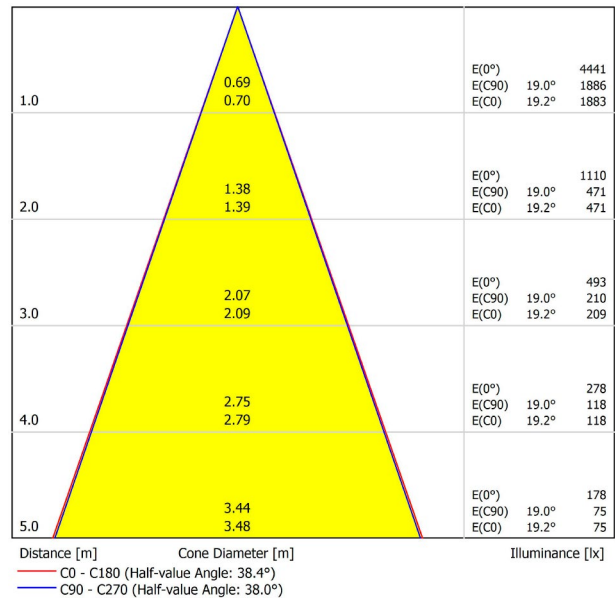


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POLAR DIAGRAM



CONICAL DIAGRAM

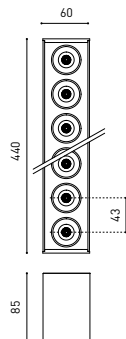


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7	
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4	
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5	
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0	
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8	
4H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8	
	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6	
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1	
	4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4	
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0	
8H	8H	3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8	
	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9	
	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0	
	6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5	
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5	
12H	12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7	
	4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4	
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1	
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1900lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 2700K WT
Reference	A3205010WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,86 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

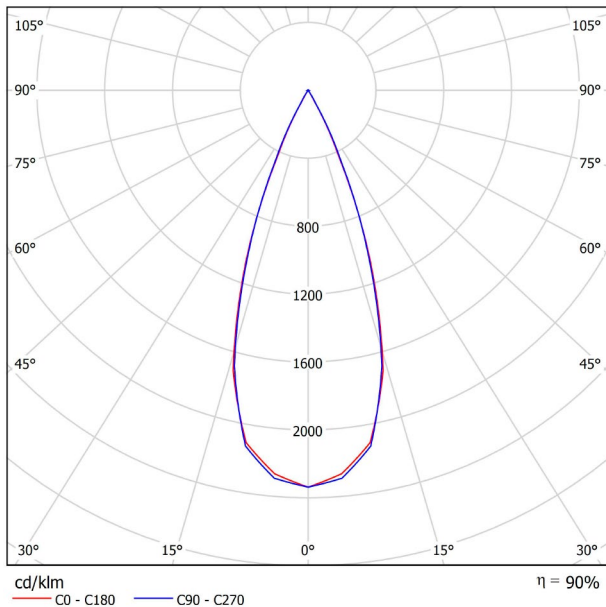
OTHER DATA

Ingress Protection	IP20
Weight	1340 g.
Packaged weight	1950 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

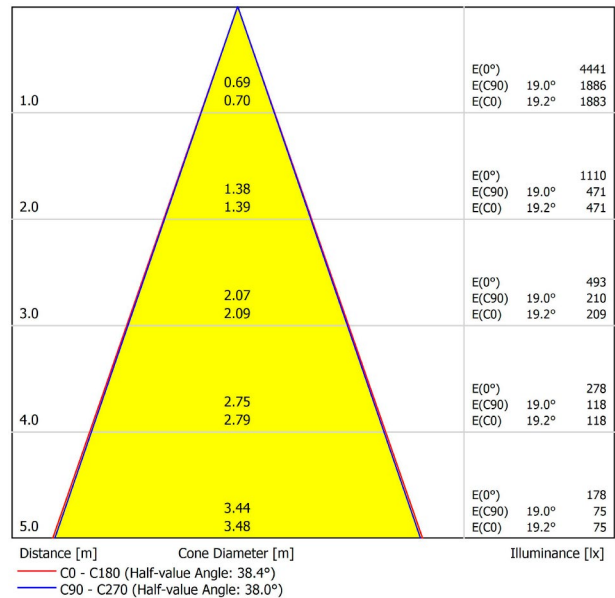


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

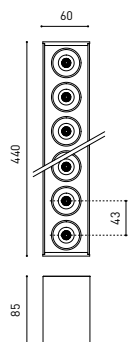


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8
4H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8
	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1
	4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0
8H	8H	3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8
	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9
	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0
	6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
12H	12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7
	4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1900lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 3000K NT
Reference	A3205011NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,86 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

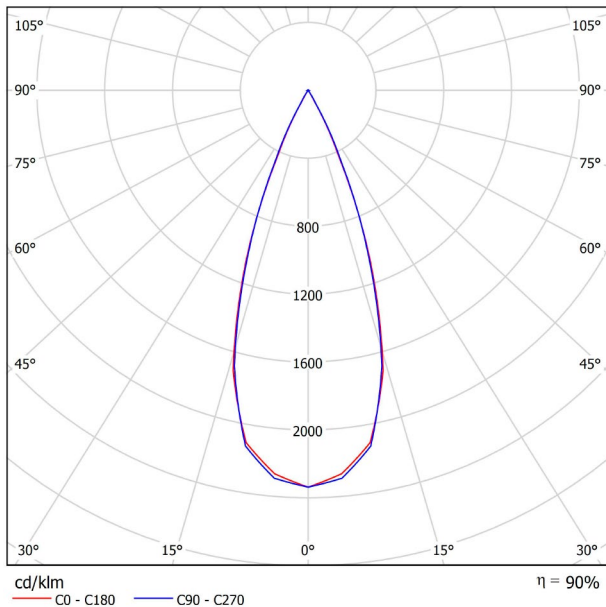
OTHER DATA

Ingress Protection	IP20
Weight	1340 g.
Packaged weight	1950 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

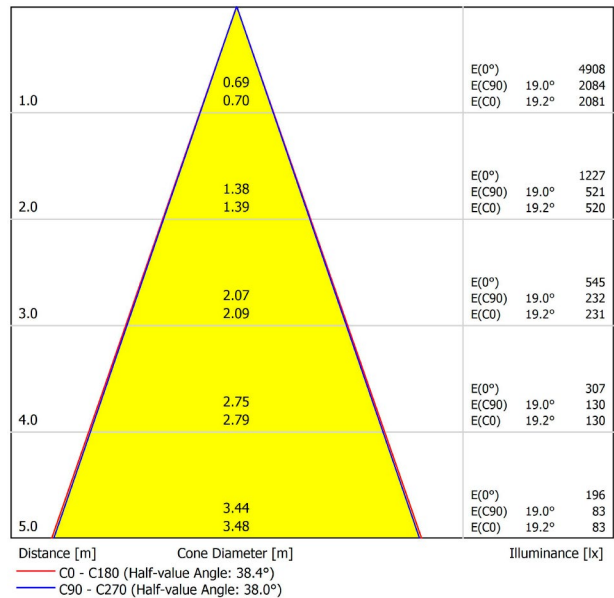


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

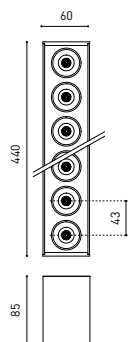


UGR

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2
12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2	
4H	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3
	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2
12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3	
8H	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9
	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1
12H	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8
	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand											
Corrected Glare Indices referring to 2100lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 3000K WT
Reference	A3205011WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,86 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

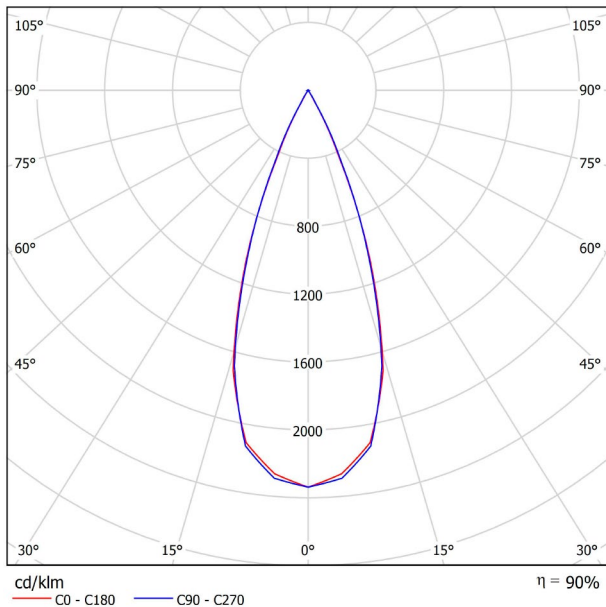
Ingress Protection	IP20
Weight	1340 g.
Packaged weight	1950 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

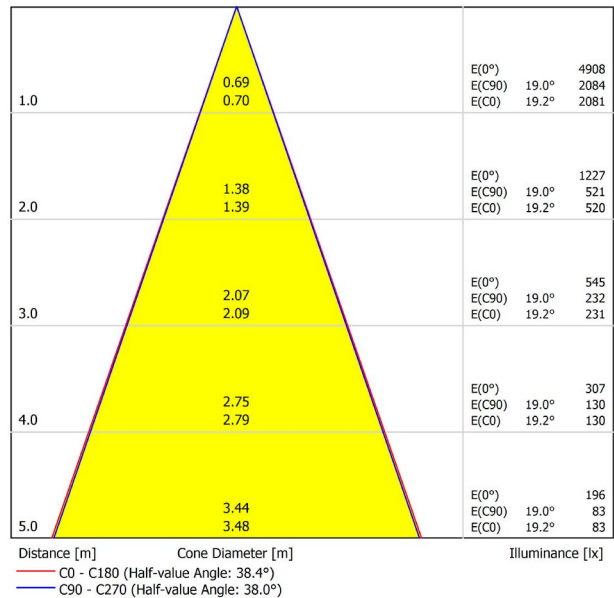


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POLAR DIAGRAM



CONICAL DIAGRAM

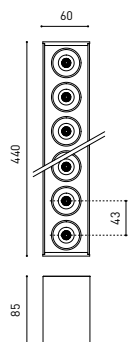


UGR

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2
12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2	
4H	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3
	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2
12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3	
8H	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9
	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1
12H	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8
	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction Summand		---					---				
Corrected Glare Indices referring to 2100lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 4000K NT
Reference	A3205012NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,86 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

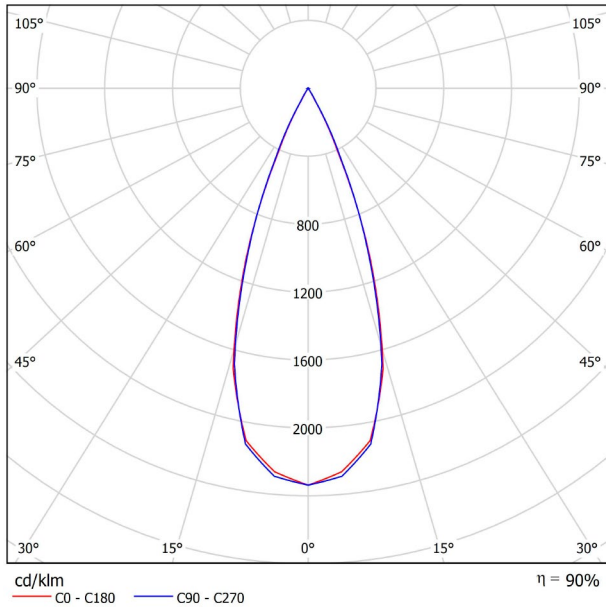
OTHER DATA

Ingress Protection	IP20
Weight	1340 g.
Packaged weight	1950 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

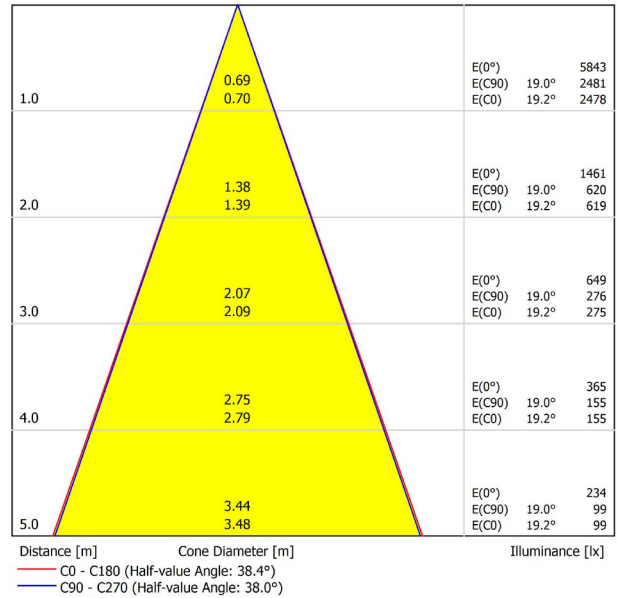


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POLAR DIAGRAM



CONICAL DIAGRAM

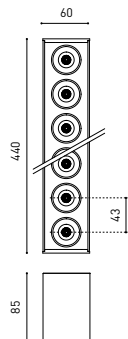


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2500lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 4000K WT
Reference	A3205012WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,86 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

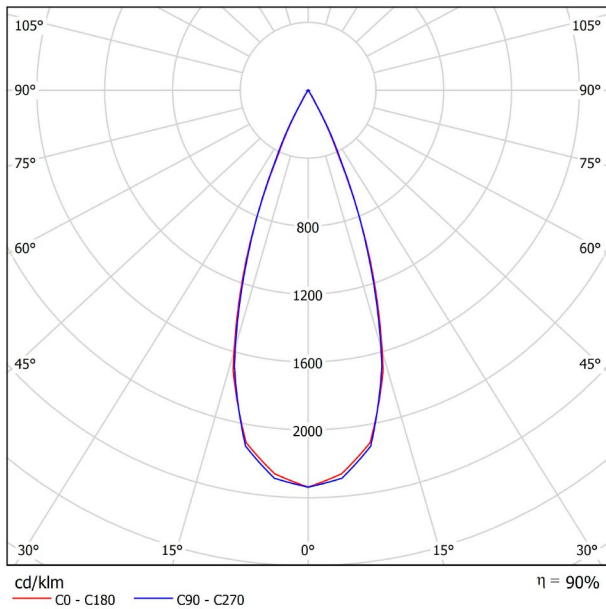
Ingress Protection	IP20
Weight	1340 g.
Packaged weight	1950 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

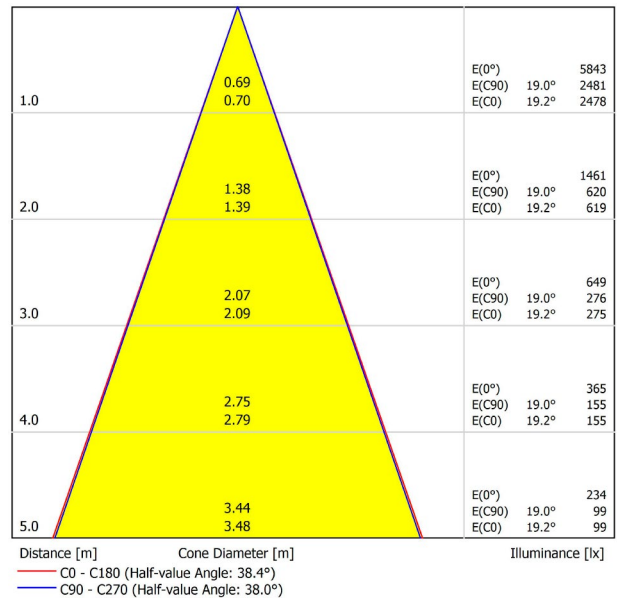


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

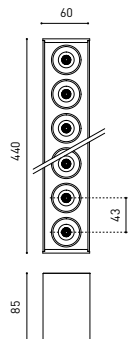


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2500lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM DALI 2700K NT
Reference	A3205020NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

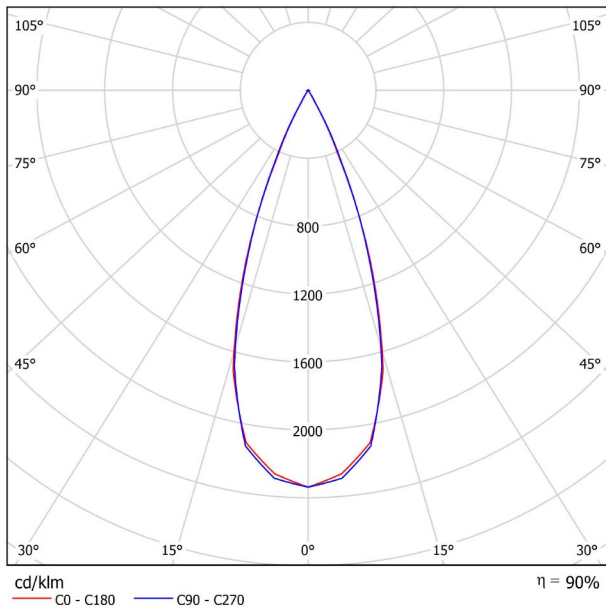
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

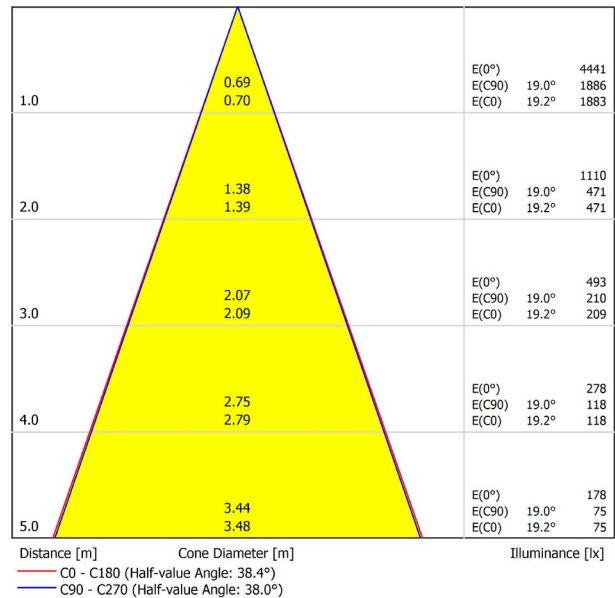


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

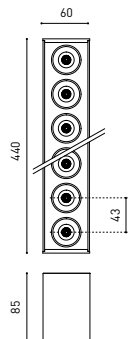


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7	
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4	
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5	
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0	
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8	
4H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8	
	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6	
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1	
	4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4	
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0	
8H	8H	3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8	
	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9	
	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0	
	6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5	
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5	
12H	12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7	
	4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4	
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1	
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 1900lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM DALI 2700K WT
Reference	A3205020WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

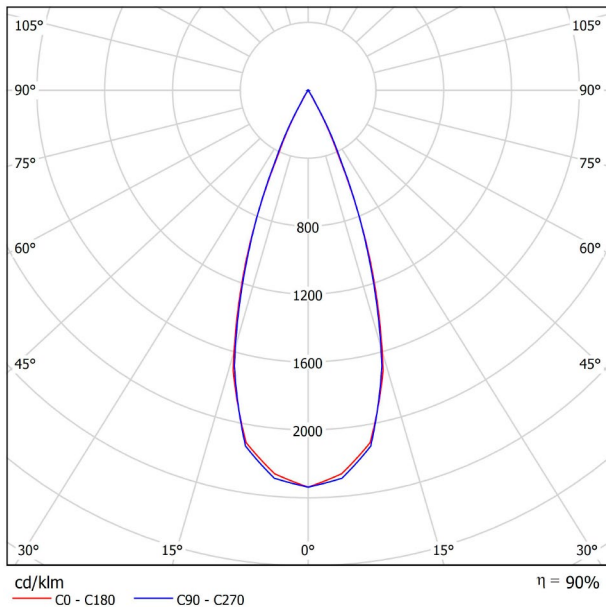
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

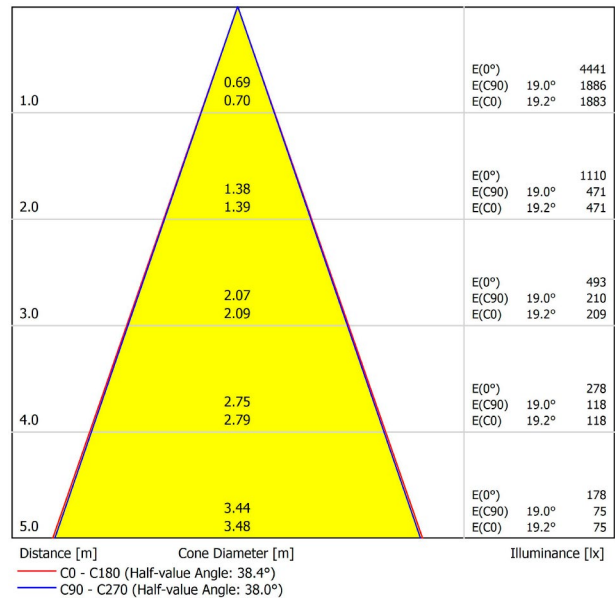


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

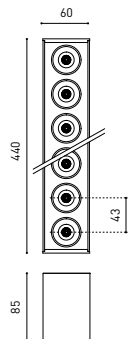


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7	
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4	
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5	
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0	
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8	
12H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8	
	4H	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6
		3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1
		4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
		6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0
8H		3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8	
12H	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9	
	8H	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0
		6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5
		8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
		12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7
12H		4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1	
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2	
	Variation of the observer position for the luminaire distances S											
	S = 1.0H	+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H	+1.9 / -0.6					+2.7 / -0.7						
S = 2.0H	+3.1 / -0.8					+4.2 / -1.0						
Standard table	---					---						
Correction	---					---						
Summand	---					---						
Corrected Glare Indices referring to 1900lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM DALI 3000K NT
Reference	A3205021NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

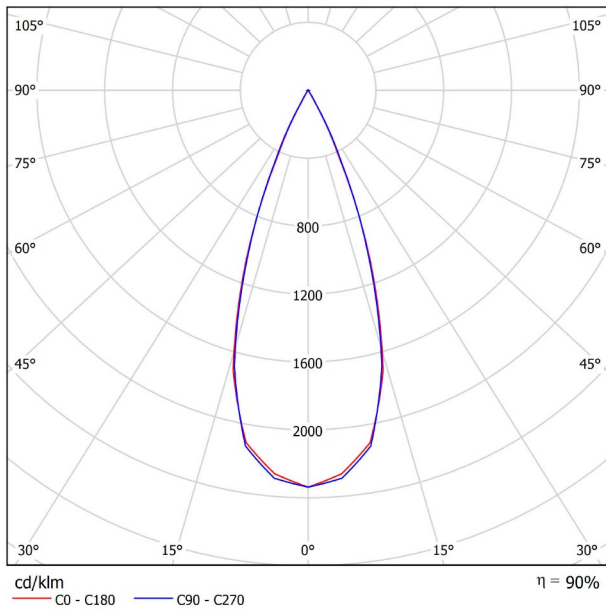
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

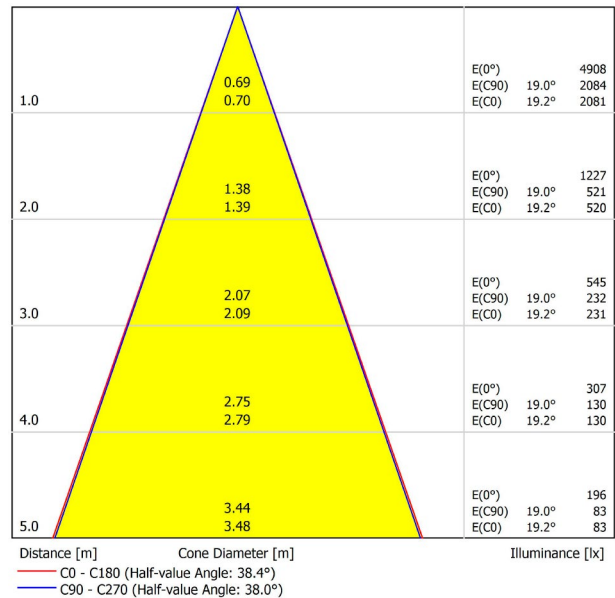


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

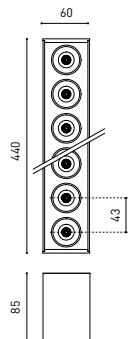


UGR

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2
12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2	
4H	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3
	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2
12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3	
8H	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9
	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1
12H	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8
	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction Summand		---					---				
Corrected Glare Indices referring to 2100lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 DIM DALI 3000K WT
Reference	A3205021WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

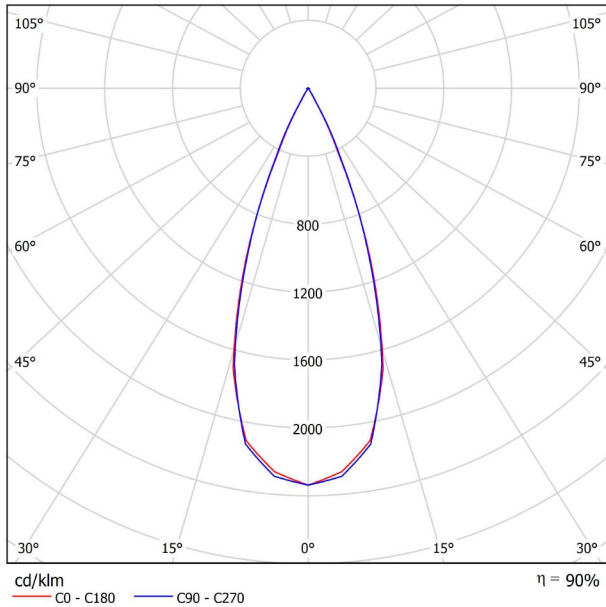
Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

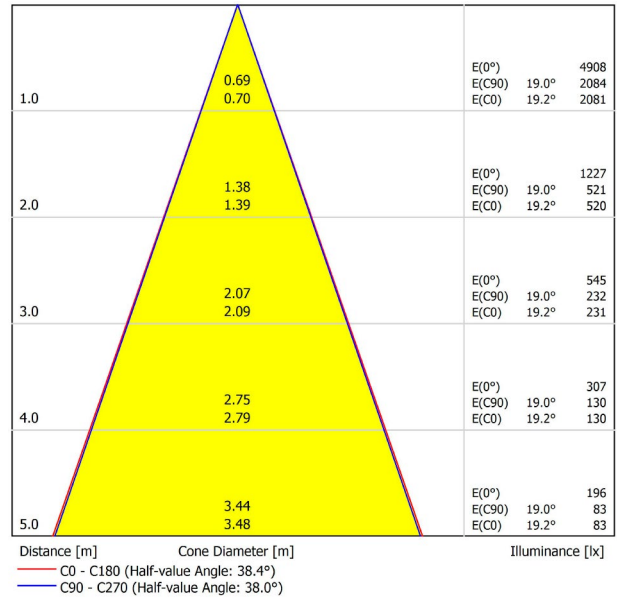


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POLAR DIAGRAM



CONICAL DIAGRAM

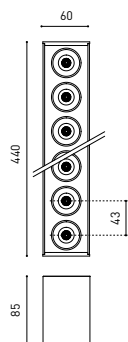


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1	
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4	
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2	
	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1	
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3	
8H	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3	
	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9	
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9	
12H	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8	
	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4	
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2100lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM DALI 4000K NT
Reference	A3205022NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

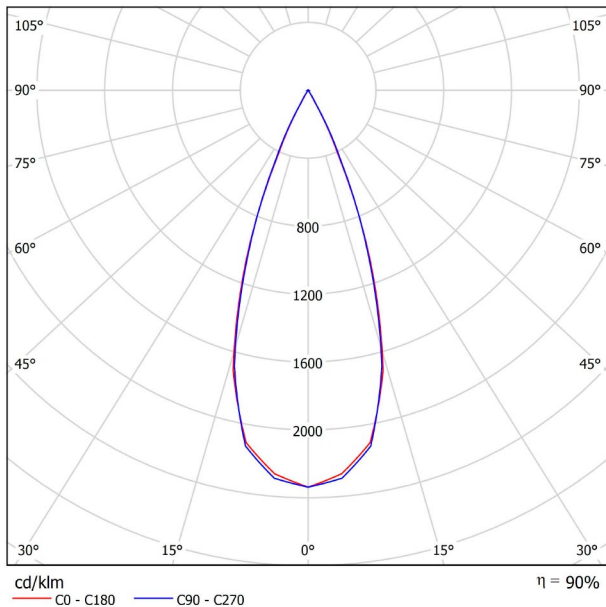
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

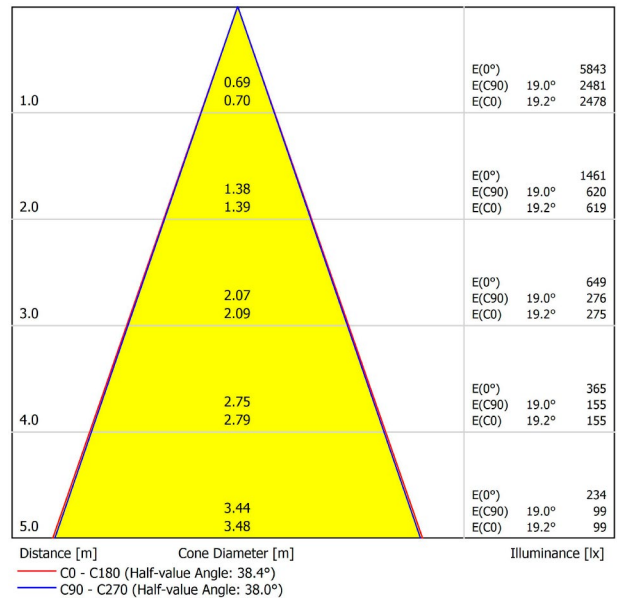


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

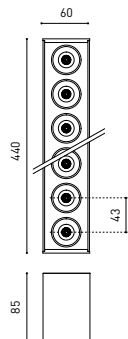


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2500lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM DALI 4000K WT
Reference	A3205022WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

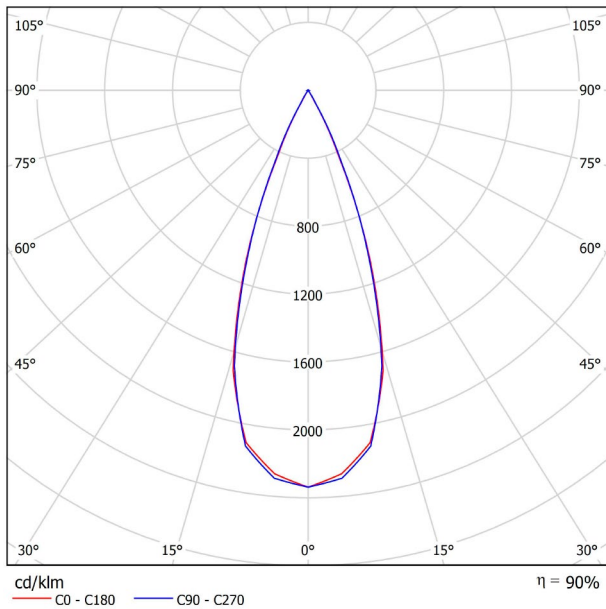
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

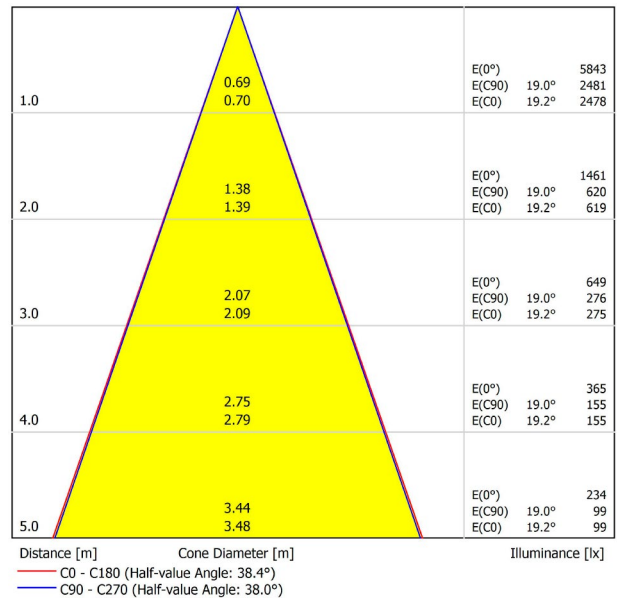


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

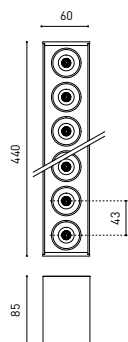


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2500lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM PUSH 2700K NT
Reference	A3205030NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

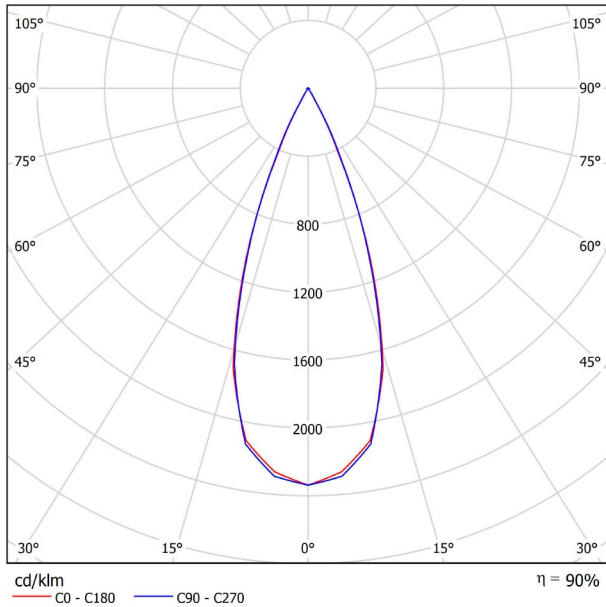
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

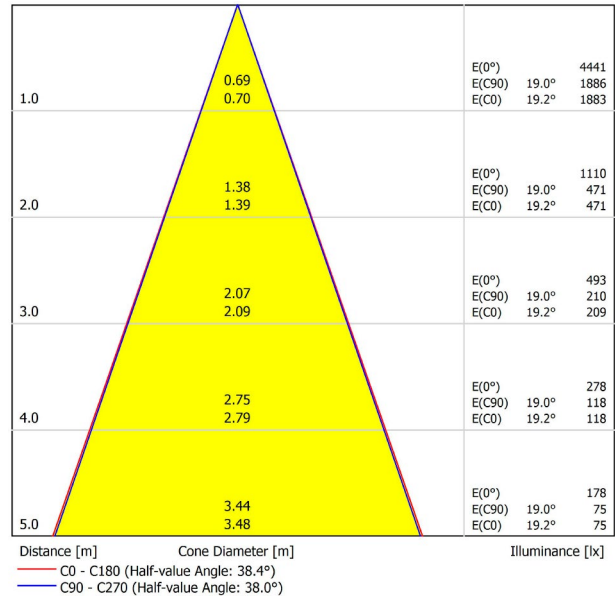


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

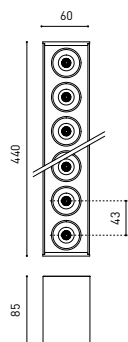


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8
4H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8
	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1
	4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0
8H	8H	3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8
	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9
	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0
	6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
12H	12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7
	4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1900lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 DIM PUSH 2700K WT
Reference	A3205030WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

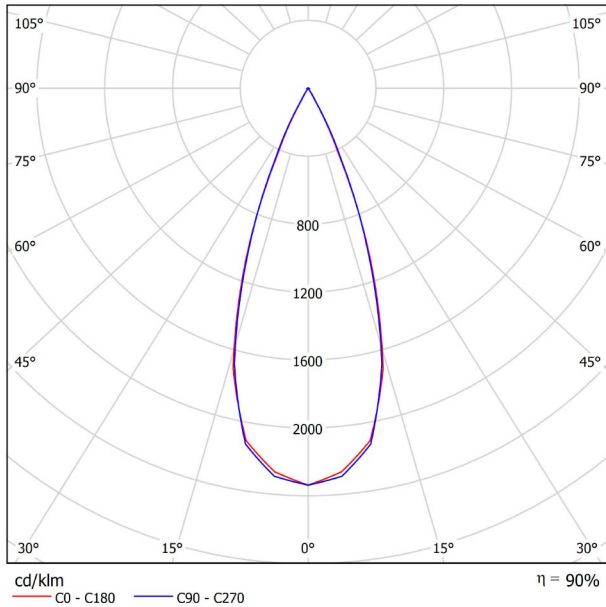
Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

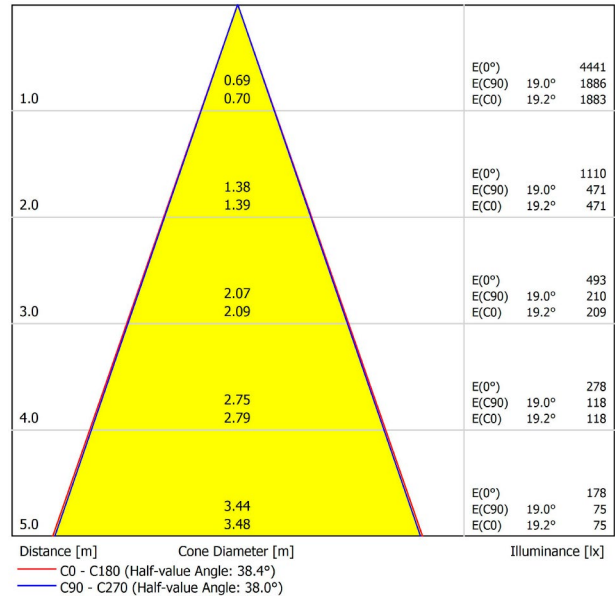


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

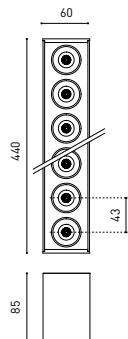


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8
4H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8
	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1
	4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0
8H	8H	3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8
	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9
	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0
	6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
12H	12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7
	4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 1900lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM PUSH 3000K NT
Reference	A3205031NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

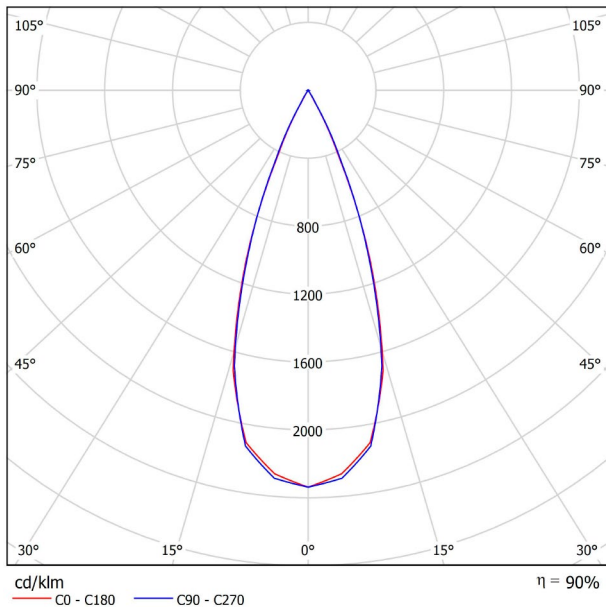
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

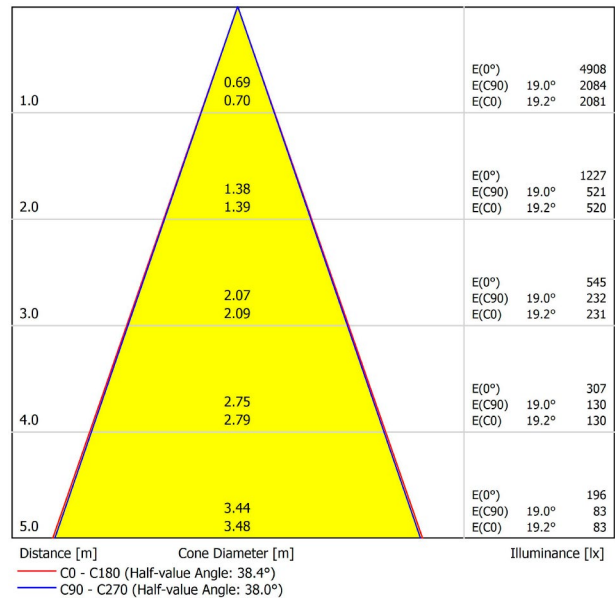


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

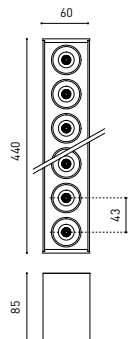


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1	
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4	
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2	
	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2	
4H	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1	
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3	
	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3	
8H	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9	
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9	
	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
12H	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8	
	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4	
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2100lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 DIM PUSH 3000K WT
Reference	A3205031WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

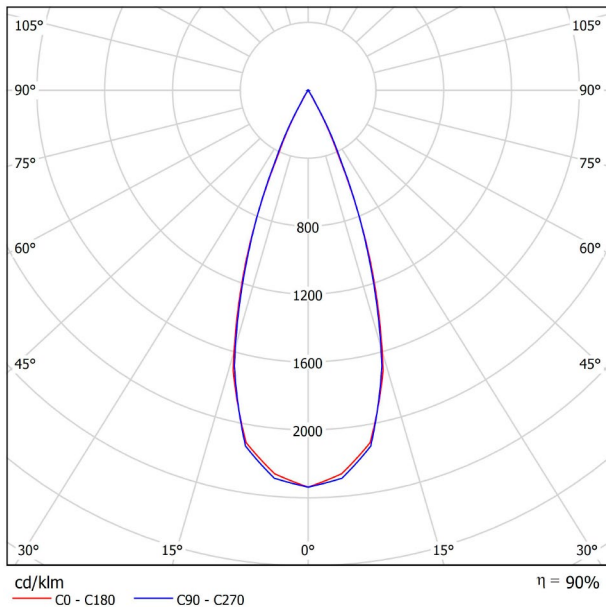
Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

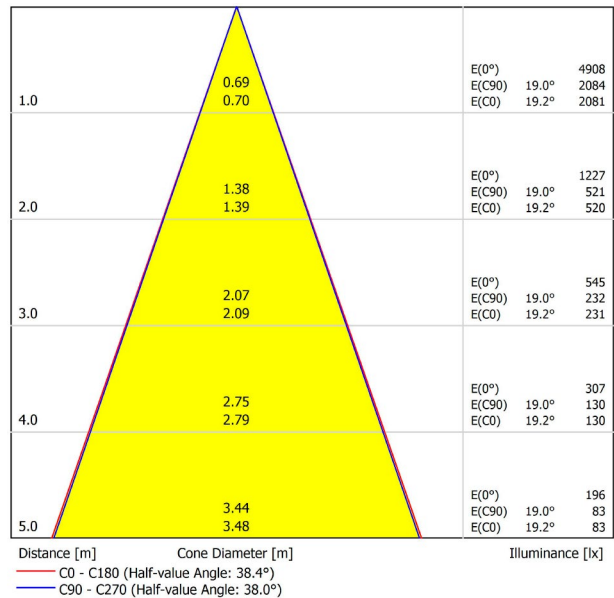


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POLAR DIAGRAM



CONICAL DIAGRAM

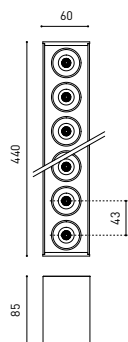


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1	
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4	
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2	
12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2		
4H	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1	
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3	
	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3		
8H	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9	
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9	
	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8	
12H	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4	
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2100lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM PUSH 4000K NT
Reference	A3205032NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

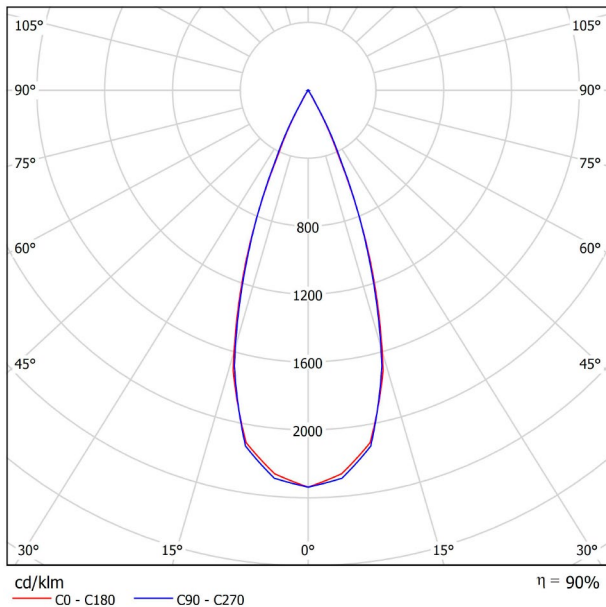
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

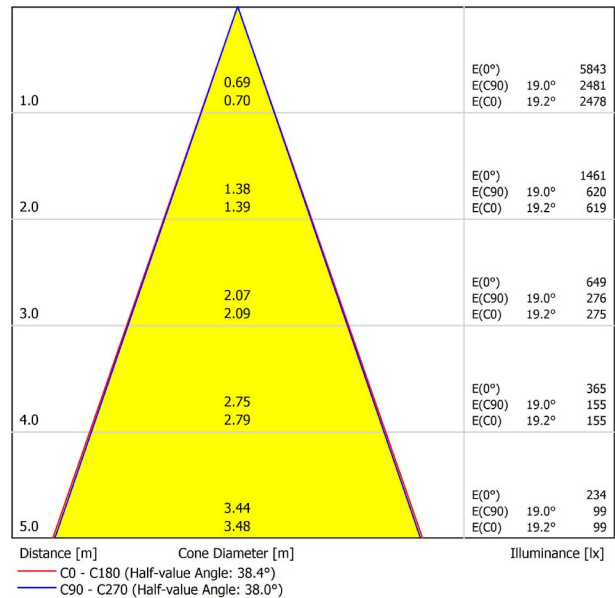


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POLAR DIAGRAM



CONICAL DIAGRAM

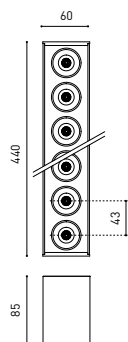


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5	
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0	
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8	
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8	
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5	
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0	
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9	
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5	
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5	
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4	
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0	
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2500lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM PUSH 4000K WT
Reference	A3205032WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,08 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

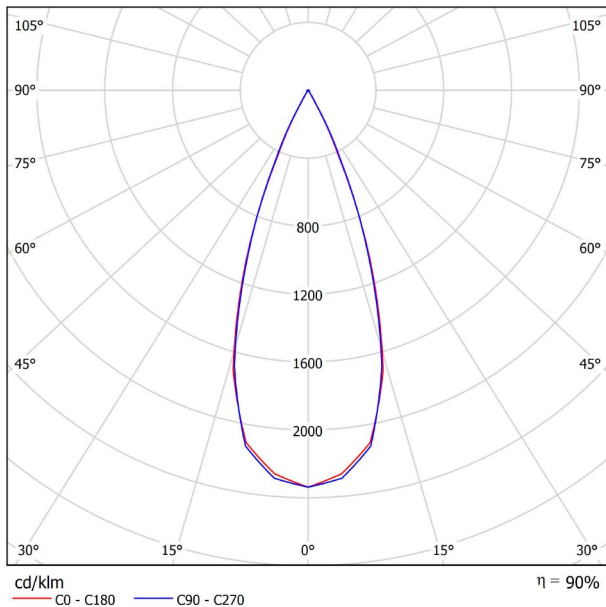
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

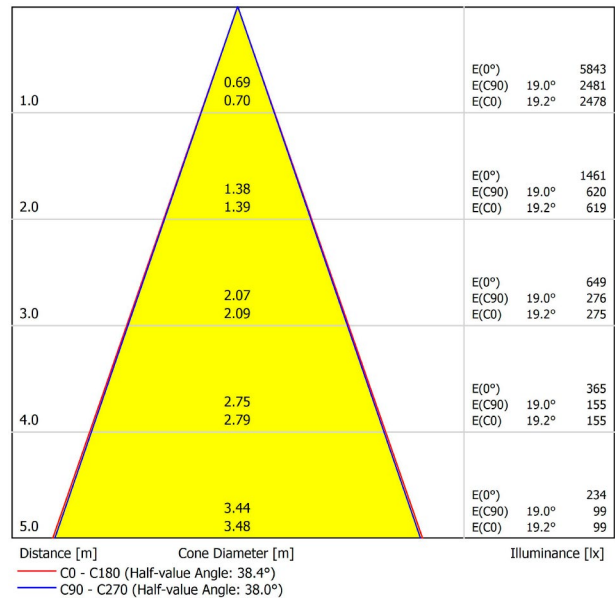


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POLAR DIAGRAM



CONICAL DIAGRAM

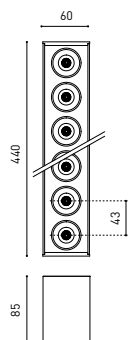


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5	
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0	
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8	
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8	
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5	
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0	
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9	
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5	
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5	
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4	
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0	
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2500lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM 1/10V 2700K NT
Reference	A3205040NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,33 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

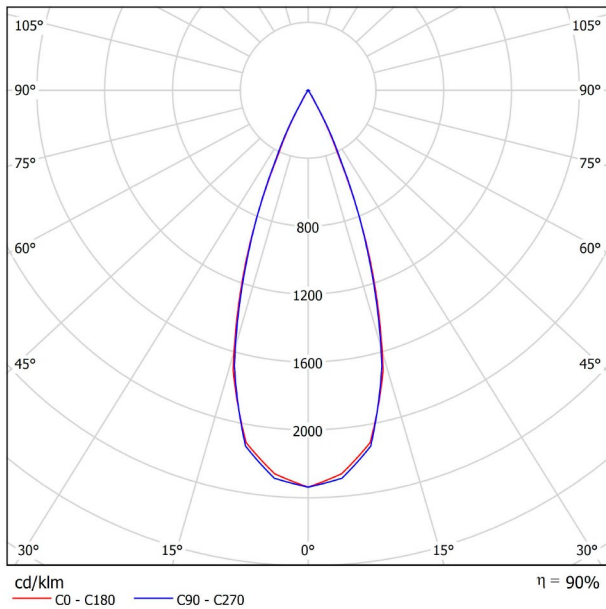
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

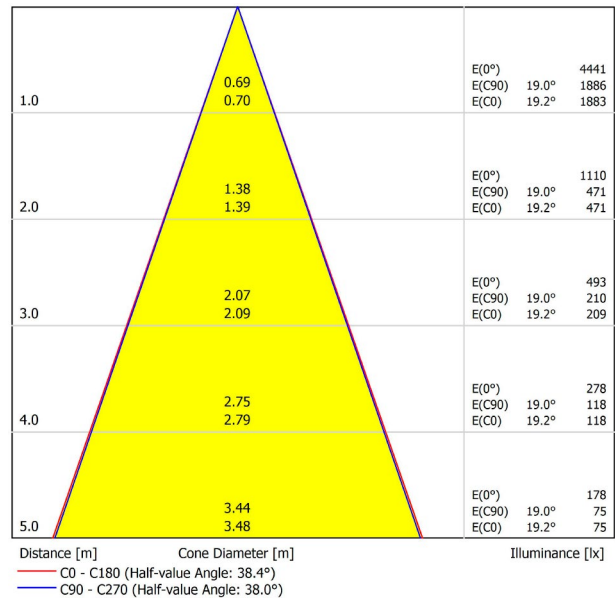


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

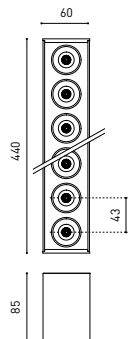


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7	
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4	
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5	
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0	
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8	
4H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8	
	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6	
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1	
	4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4	
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0	
8H	8H	3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8	
	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9	
	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0	
	6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5	
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5	
12H	12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7	
	4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4	
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1	
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2	
		Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1900lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 DIM 1/10V 2700K WT
Reference	A3205040WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	1900 Lm
Power	21 W
Power values of the system	23,33 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

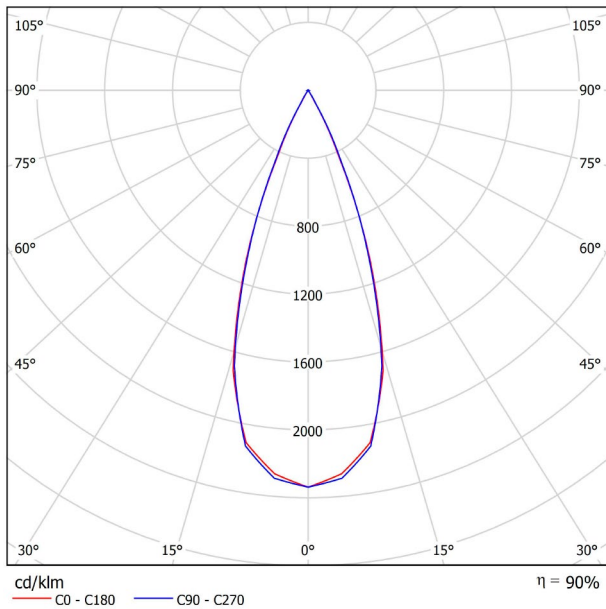
Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

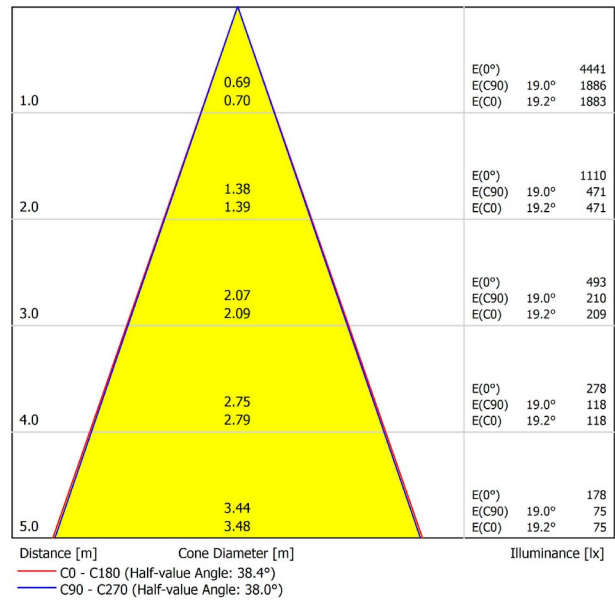


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

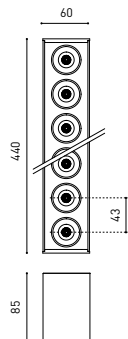


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.7	-14.1	-14.5	-13.9	-13.7	
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.6	-6.4	
	4H	-4.1	-3.5	-3.8	-3.3	-3.0	-3.5	-3.0	-3.2	-2.7	-2.5	
	6H	-0.4	0.1	-0.1	0.3	0.6	-0.1	0.4	0.3	0.7	1.0	
	8H	1.4	1.9	1.7	2.2	2.5	1.7	2.2	2.1	2.5	2.8	
4H	12H	3.4	3.9	3.7	4.2	4.5	3.8	4.2	4.1	4.5	4.8	
	2H	-11.3	-10.8	-11.0	-10.5	-10.3	-11.7	-11.1	-11.4	-10.9	-10.6	
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.8	-4.4	-4.1	
	4H	-1.9	-1.5	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4	
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.3	2.3	2.6	3.0	
8H	8H	3.5	3.8	3.9	4.2	4.6	3.8	4.1	4.2	4.4	4.8	
	12H	5.5	5.8	6.0	6.2	6.6	5.9	6.1	6.3	6.5	6.9	
	4H	-0.4	-0.1	0.0	0.3	0.7	-0.1	0.2	0.3	0.6	1.0	
	6H	3.2	3.5	3.7	3.9	4.3	3.5	3.7	3.9	4.1	4.5	
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5	
12H	12H	7.4	7.5	7.9	8.0	8.5	7.6	7.8	8.1	8.2	8.7	
	4H	0.1	0.4	0.6	0.8	1.2	0.4	0.6	0.8	1.0	1.4	
	6H	3.8	4.0	4.3	4.5	4.9	4.0	4.2	4.5	4.6	5.1	
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.6	6.7	7.2	
		Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1900lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM 1/10V 3000K NT
Reference	A3205041NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,33 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

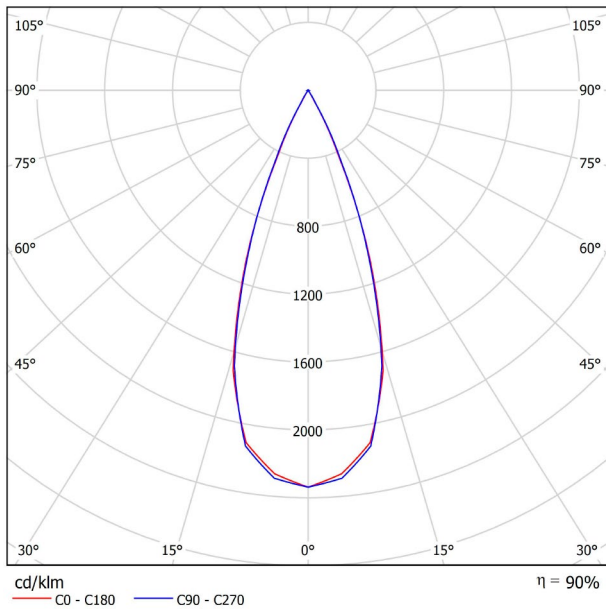
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

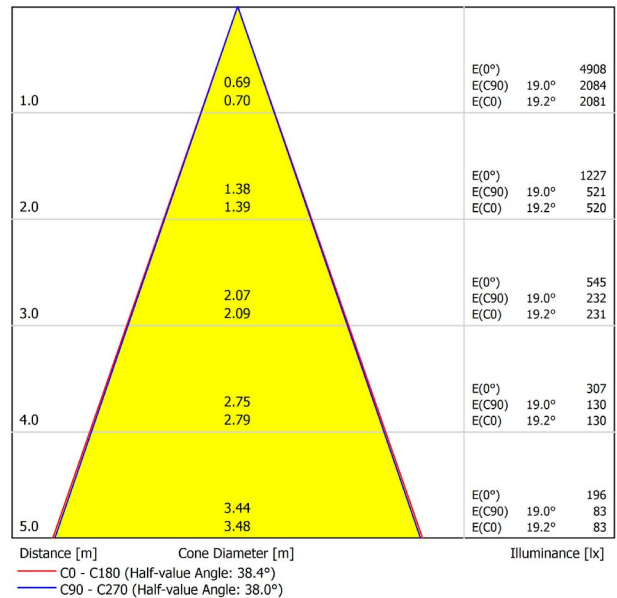


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POLAR DIAGRAM



CONICAL DIAGRAM

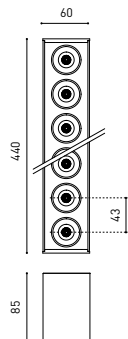


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1	
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4	
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2	
12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2		
4H	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1	
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3	
	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3		
8H	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9	
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9	
	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
12H	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8	
	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4	
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2100lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 DIM 1/10V 3000K WT
Reference	A3205041WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2100 Lm
Power	21 W
Power values of the system	23,33 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

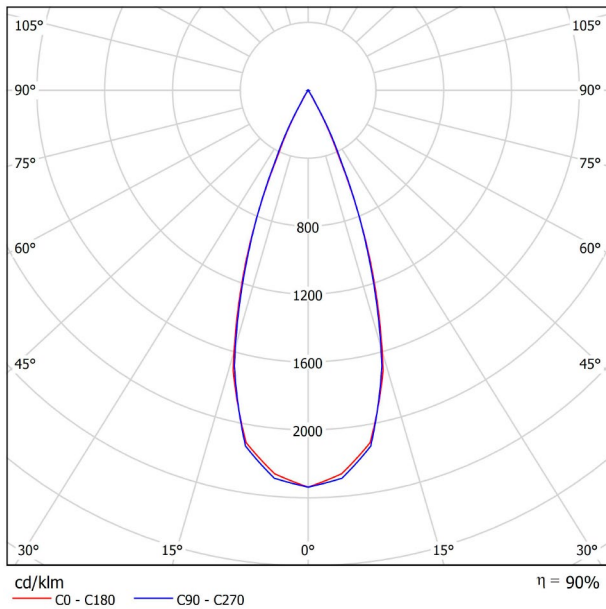
Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

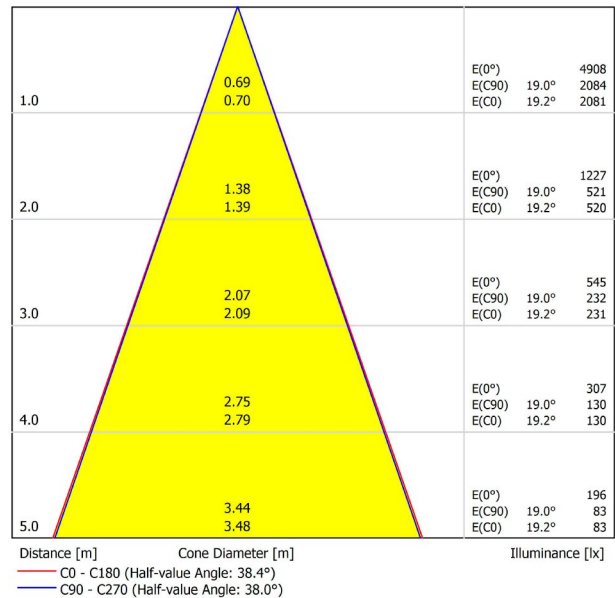


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POLAR DIAGRAM



CONICAL DIAGRAM

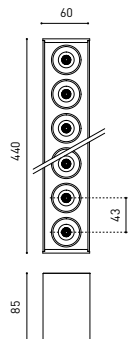


UGR

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.6	-12.9	-13.3	-12.7	-12.5	-14.4	-13.7	-14.1	-13.6	-13.4
	3H	-7.3	-6.7	-7.0	-6.4	-6.2	-7.1	-6.5	-6.8	-6.3	-6.1
	4H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1
	6H	-0.1	0.4	0.2	0.7	1.0	0.3	0.8	0.6	1.1	1.4
	8H	1.8	2.2	2.1	2.5	2.8	2.1	2.6	2.4	2.9	3.2
	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.6	4.5	4.9	5.2
4H	2H	-11.0	-10.4	-10.7	-10.2	-9.9	-11.3	-10.8	-11.0	-10.5	-10.3
	3H	-5.0	-4.6	-4.7	-4.3	-3.9	-4.8	-4.4	-4.5	-4.1	-3.8
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.1	-0.7	-0.8	-0.4	-0.1
	6H	2.0	2.3	2.4	2.7	3.0	2.3	2.6	2.7	3.0	3.3
	8H	3.8	4.1	4.3	4.5	4.9	4.1	4.4	4.5	4.8	5.2
	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.3
8H	4H	-0.0	0.2	0.4	0.6	1.0	0.2	0.5	0.7	0.9	1.3
	6H	3.6	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.4	4.9
	8H	5.6	5.7	6.0	6.2	6.6	5.8	5.9	6.2	6.4	6.9
	12H	7.7	7.9	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1
12H	4H	0.5	0.7	0.9	1.1	1.5	0.7	1.0	1.1	1.4	1.8
	6H	4.2	4.4	4.7	4.8	5.3	4.4	4.5	4.8	5.0	5.4
	8H	6.3	6.4	6.7	6.9	7.4	6.4	6.6	6.9	7.0	7.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2100lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 10 DIM 1/10V 4000K NT
Reference	A3205042NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,33 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

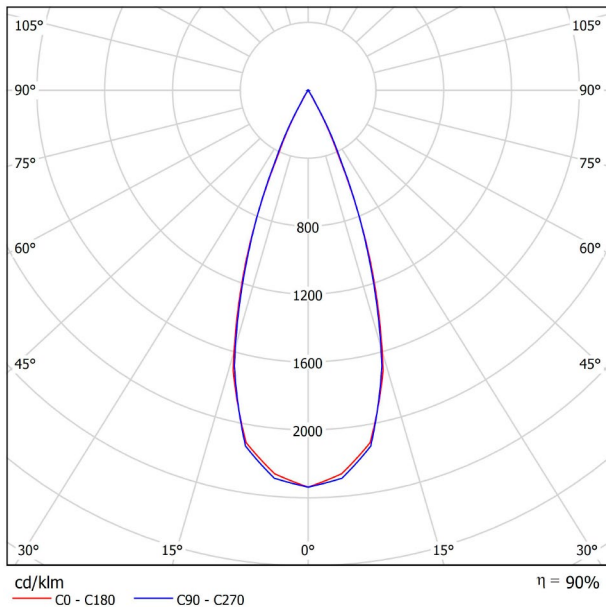
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

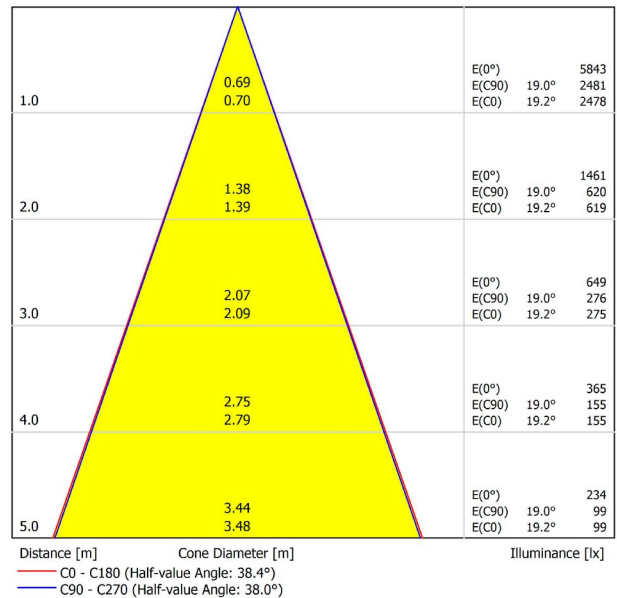


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POLAR DIAGRAM



CONICAL DIAGRAM

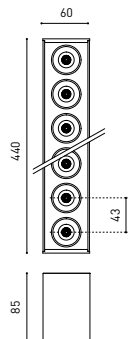


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5	
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0	
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8	
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8	
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5	
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0	
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9	
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5	
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5	
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4	
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0	
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2500lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 10 DIM 1/10V 4000K WT
Reference	A3205042WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2500 Lm
Power	21 W
Power values of the system	23,33 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

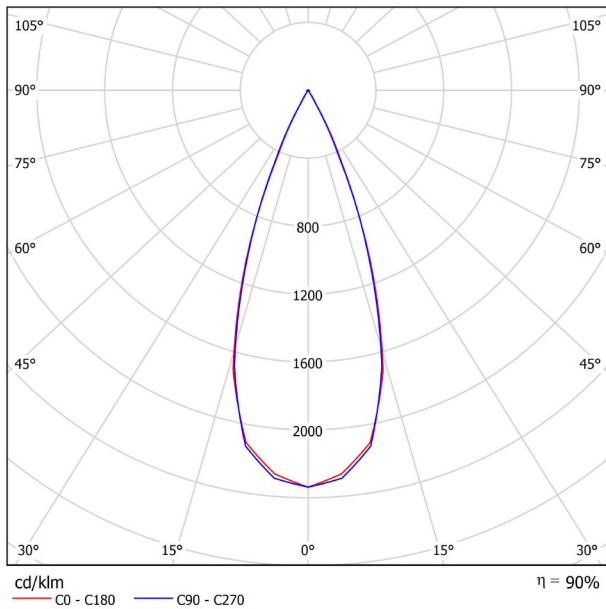
OTHER DATA

Ingress Protection	IP20
Weight	1390 g.
Packaged weight	2000 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

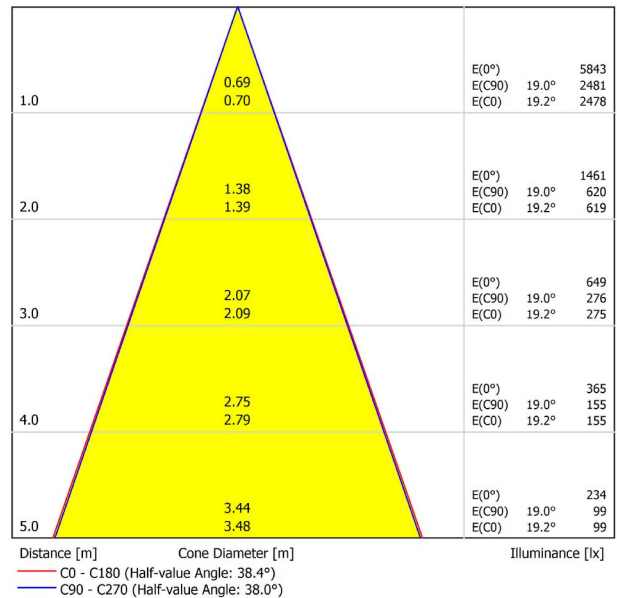


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

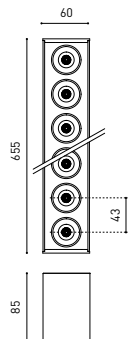


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.0	-12.3	-12.7	-12.1	-11.9	-13.8	-13.1	-13.5	-13.0	-12.8
	3H	-6.7	-6.1	-6.4	-5.8	-5.6	-6.5	-5.9	-6.2	-5.7	-5.5
	4H	-3.1	-2.6	-2.8	-2.3	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5
	6H	0.5	1.0	0.8	1.3	1.6	0.9	1.4	1.2	1.7	2.0
	8H	2.4	2.8	2.7	3.1	3.4	2.7	3.2	3.0	3.5	3.8
4H	12H	4.4	4.8	4.7	5.1	5.4	4.7	5.2	5.1	5.5	5.8
	2H	-10.4	-9.8	-10.1	-9.6	-9.3	-10.7	-10.2	-10.4	-9.9	-9.7
	3H	-4.4	-4.0	-4.1	-3.7	-3.3	-4.2	-3.8	-3.9	-3.5	-3.2
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.1	-0.1	0.2	0.5
	6H	2.6	2.9	3.0	3.3	3.6	2.9	3.2	3.3	3.6	4.0
8H	8H	4.4	4.7	4.9	5.1	5.5	4.7	5.0	5.1	5.4	5.8
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.1	7.2	7.5	7.9
	4H	0.6	0.8	1.0	1.2	1.6	0.9	1.1	1.3	1.5	1.9
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.9	5.0	5.5
	8H	6.2	6.3	6.6	6.8	7.3	6.4	6.5	6.8	7.0	7.5
12H	12H	8.3	8.5	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.6	1.8	2.0	2.4
	6H	4.8	5.0	5.3	5.4	5.9	5.0	5.1	5.4	5.6	6.0
	8H	6.9	7.0	7.3	7.5	8.0	7.0	7.2	7.5	7.6	8.1
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2500lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 2700K NT
Reference	A3206010NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	35,80 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

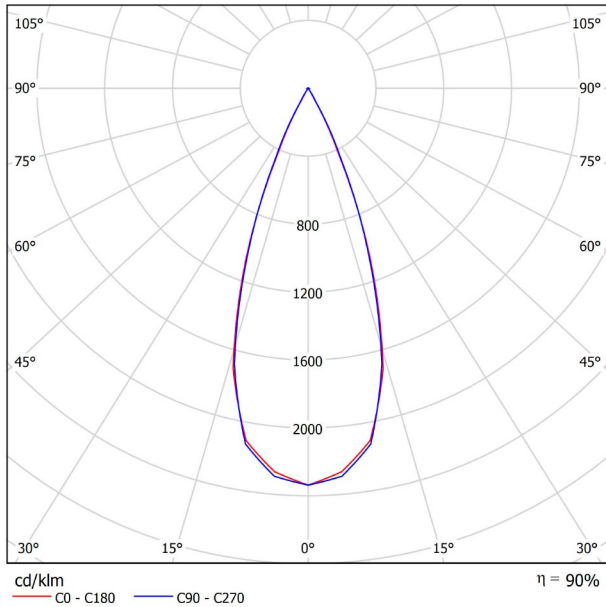
OTHER DATA

Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

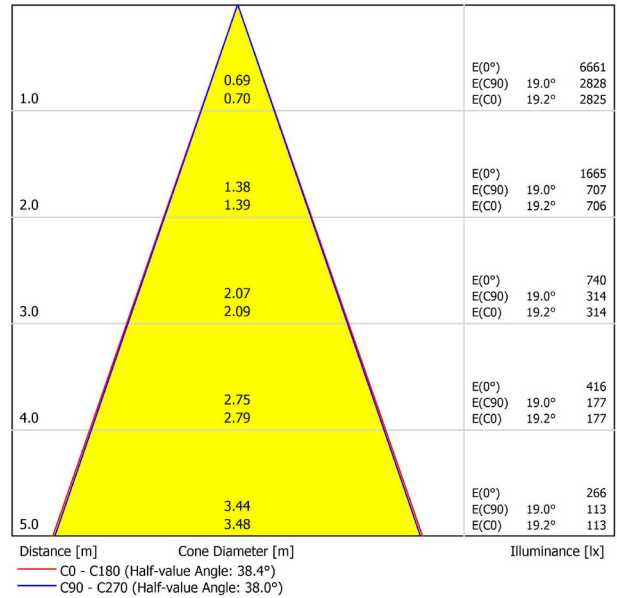


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

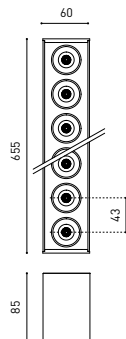


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
4H	12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8
	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
8H	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
	12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9
	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
12H	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 2700K WT
Reference	A3206010WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	35,80 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	☐
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

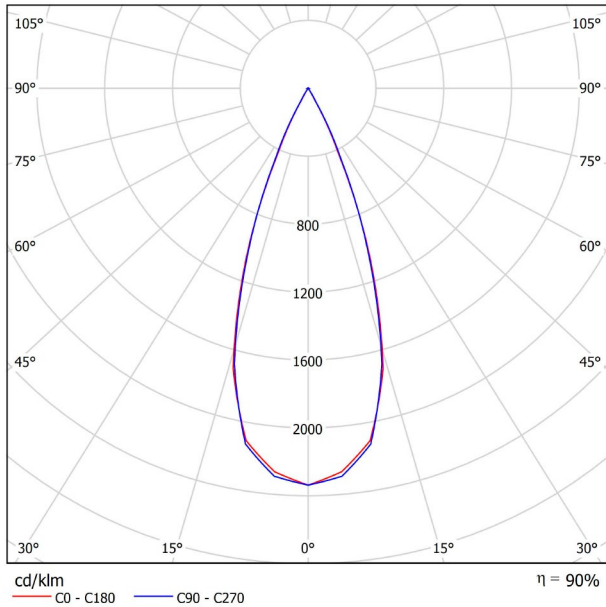
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

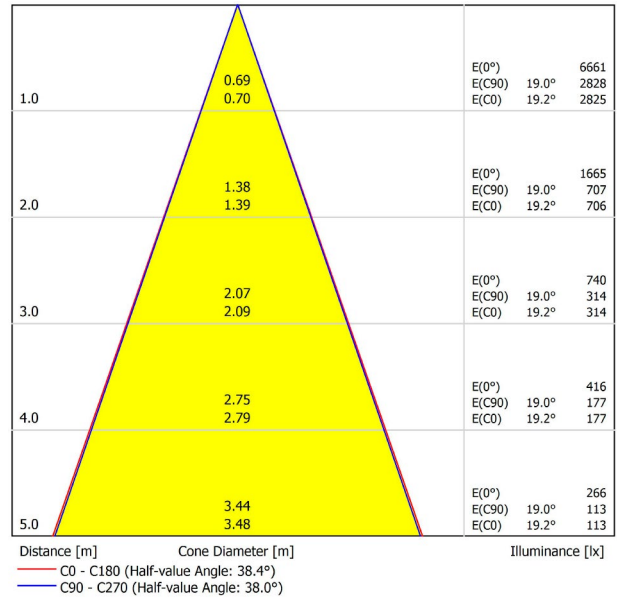


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POLAR DIAGRAM



CONICAL DIAGRAM

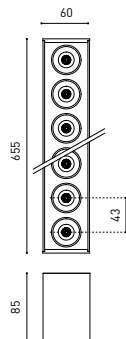


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
4H	12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8
	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
8H	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
	12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9
	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
12H	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
	Variation of the observer position for the luminaire distances S										
S = 1.0H S = 1.5H S = 2.0H	+0.9 / -0.3 +1.9 / -0.6 +3.1 / -0.8					+1.3 / -0.4 +2.7 / -0.7 +4.2 / -1.0					
Standard table	---					---					
Correction	---					---					
Summand	---					---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 3000K NT
Reference	A3206011NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	35,80 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

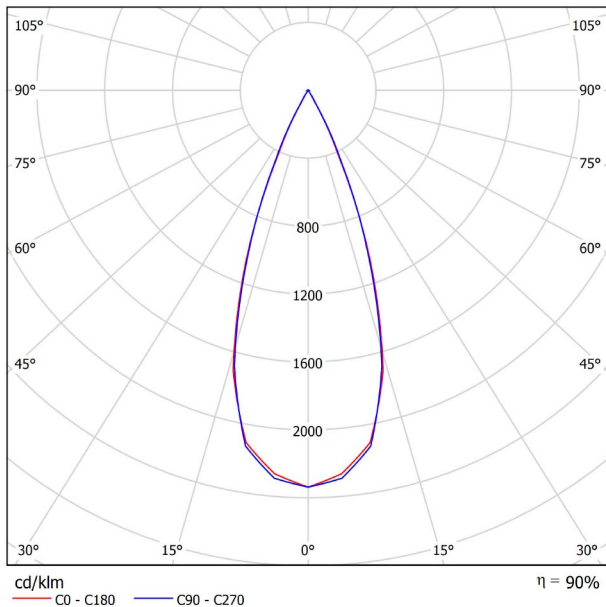
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

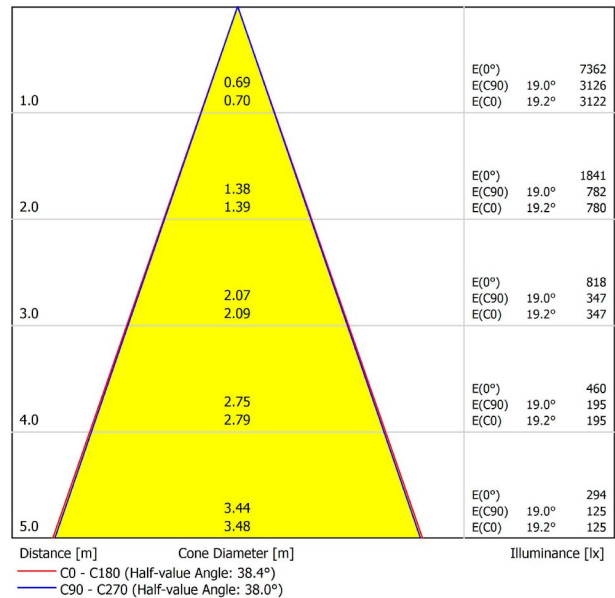


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POLAR DIAGRAM



CONICAL DIAGRAM

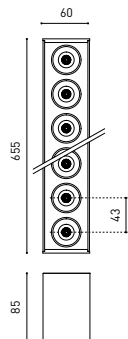


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	4H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
	12H	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1
4H		0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
6H		4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
8H		6.2	6.4	6.7	6.8	7.3	6.4	6.5	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 3000K WT
Reference	A3206011WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	35,80 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	☐
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

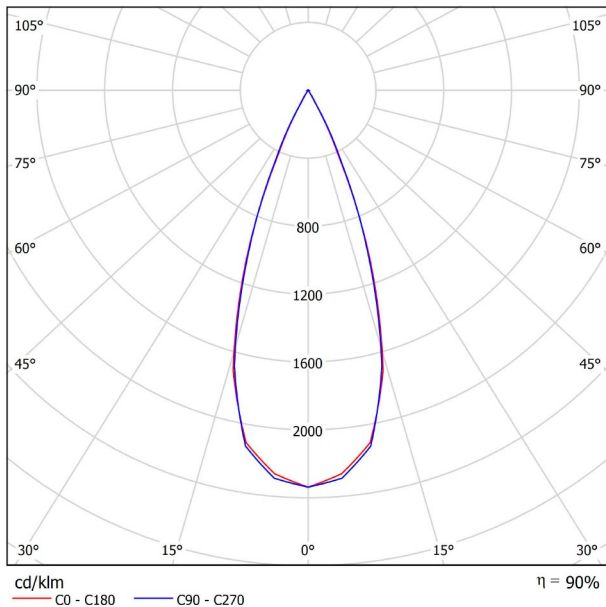
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

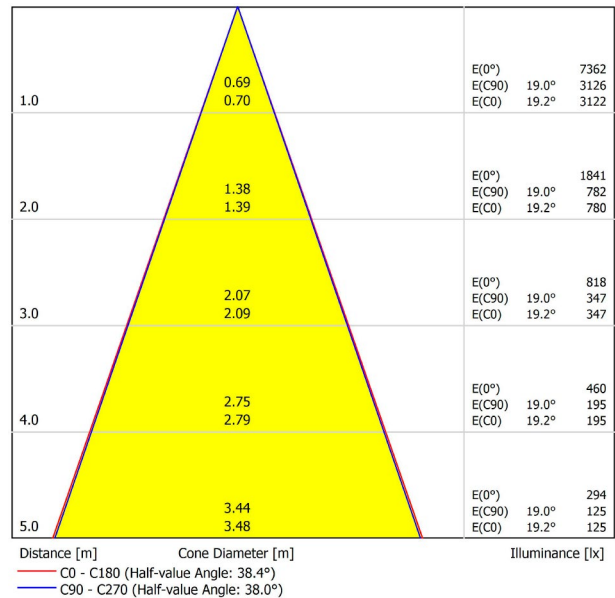


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

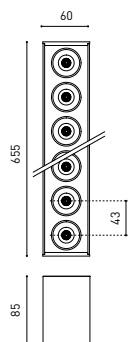


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	12H	3.8	4.1	4.2	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
	2H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	4H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
12H	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
	4H	0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
	6H	4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
		8H	6.2	6.4	6.7	6.8	6.4	6.5	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 4000K NT
Reference	A3206012NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	35,80 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

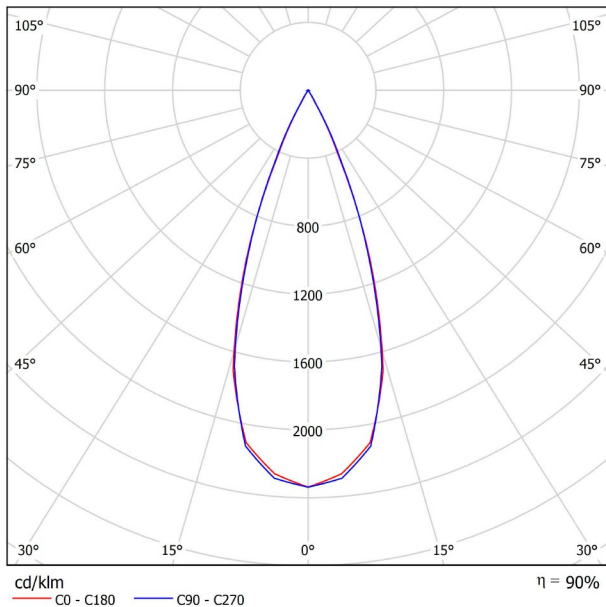
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

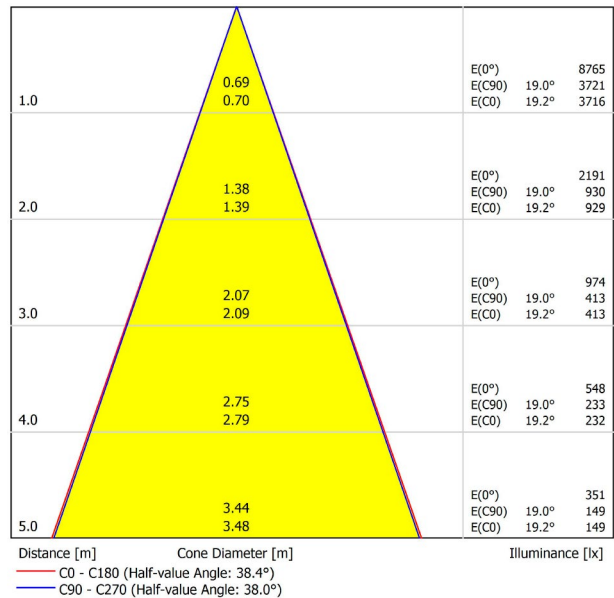


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

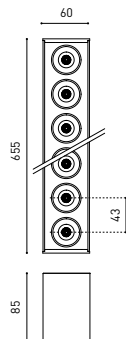


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5	
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9	
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7	
4H	12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8	
	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5	
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9	
	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5	
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4	
12H	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4	
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0	
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 4000K WT
Reference	A3206012WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	35,80 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

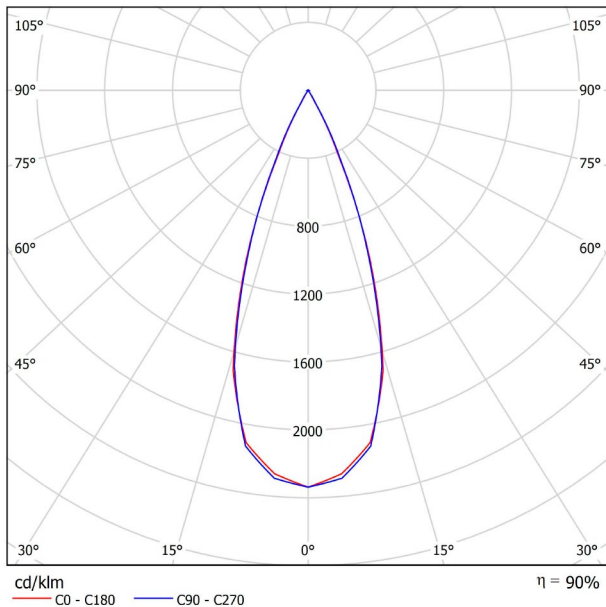
OTHER DATA

Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 x 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

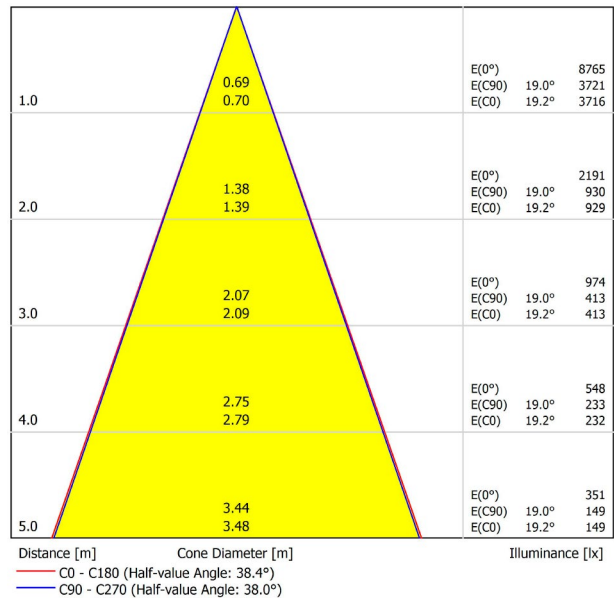


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POLAR DIAGRAM



CONICAL DIAGRAM

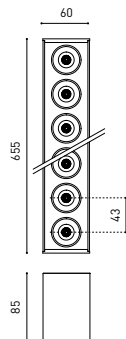


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5	
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9	
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7	
4H	12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8	
	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5	
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9	
	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5	
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4	
12H	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4	
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0	
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM DALI 2700K NT
Reference	A3206020NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

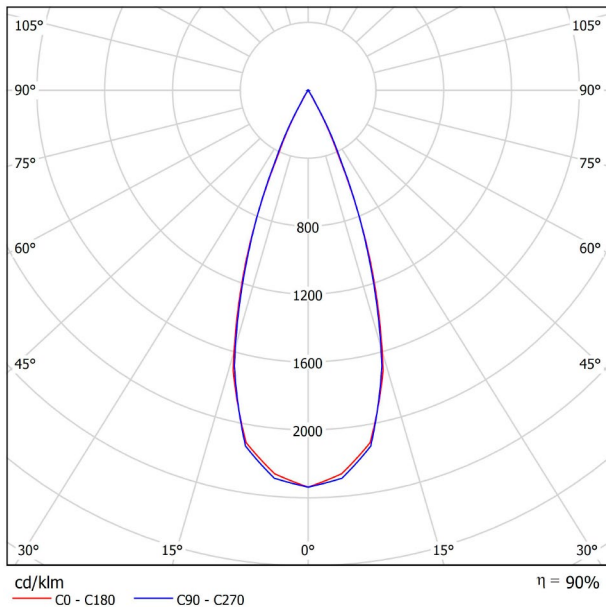
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

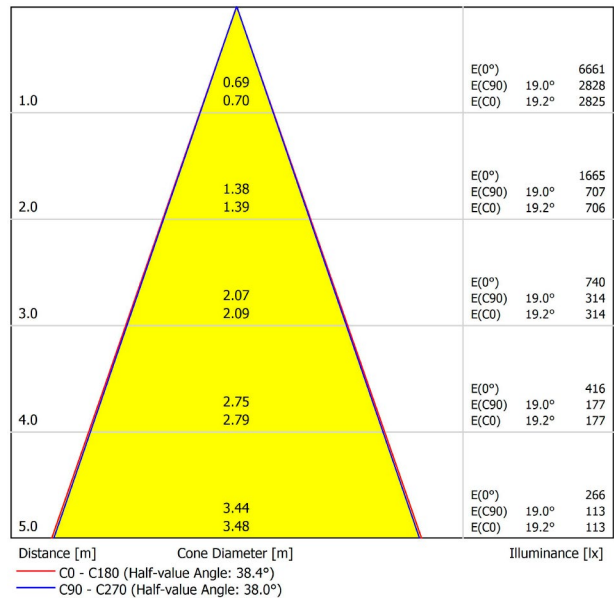


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POLAR DIAGRAM



CONICAL DIAGRAM

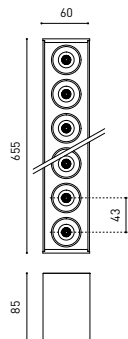


UGR

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8	
4H	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9	
8H	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
12H	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand											
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 DIM DALI 2700K WT
Reference	A3206020WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

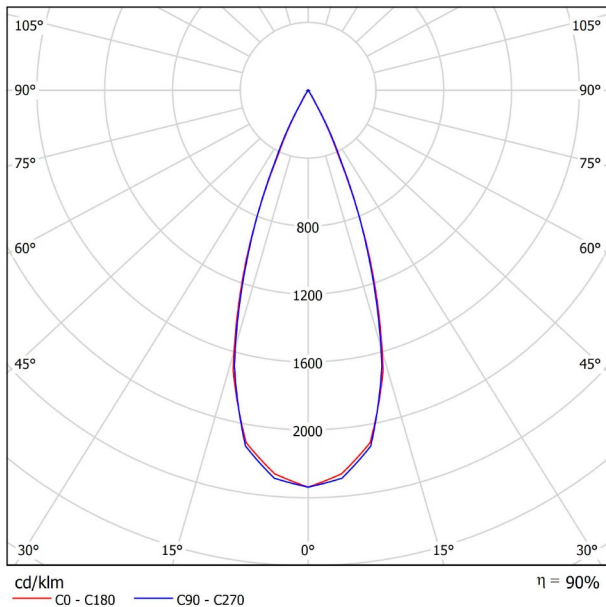
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

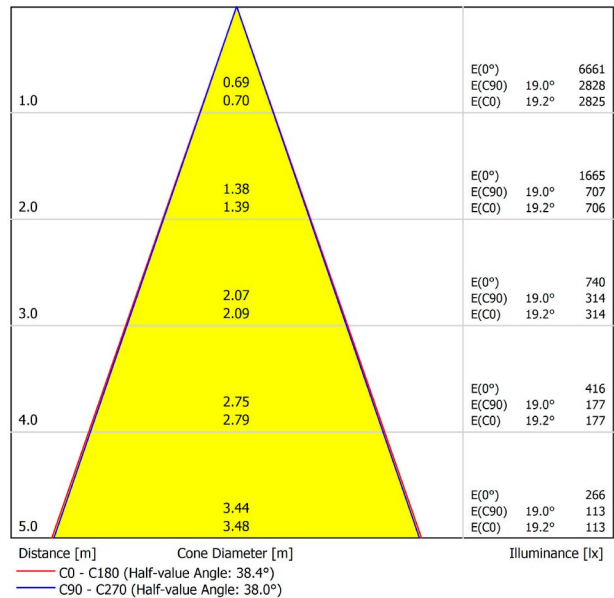


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

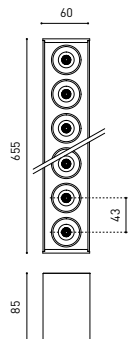


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
	12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8
4H	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
	12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9
8H	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
12H	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM DALI 3000K NT
Reference	A3206021NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

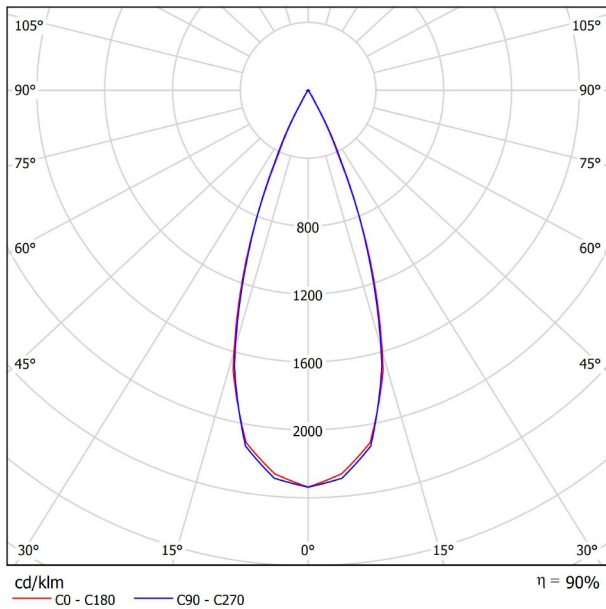
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

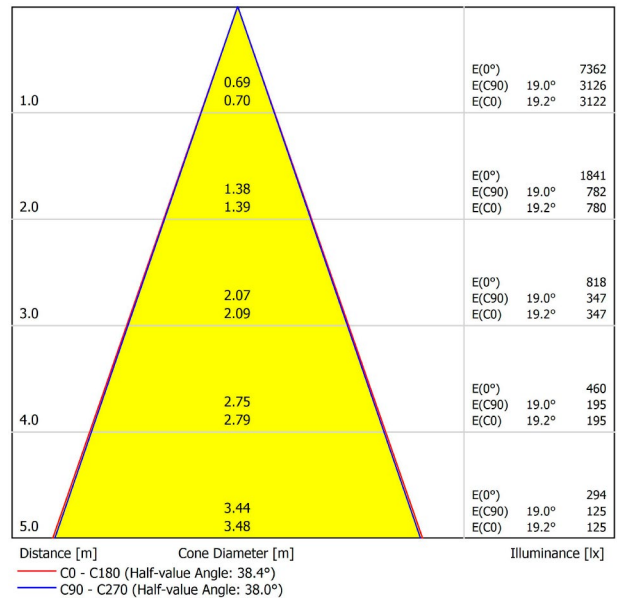


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

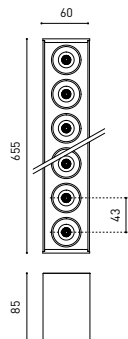


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	8H	3.8	4.1	4.2	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	4H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
12H	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
	4H	0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
	6H	4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
	8H	6.2	6.4	6.7	6.8	7.3	6.4	6.5	6.9	7.0	7.5	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM DALI 3000K WT
Reference	A3206021WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

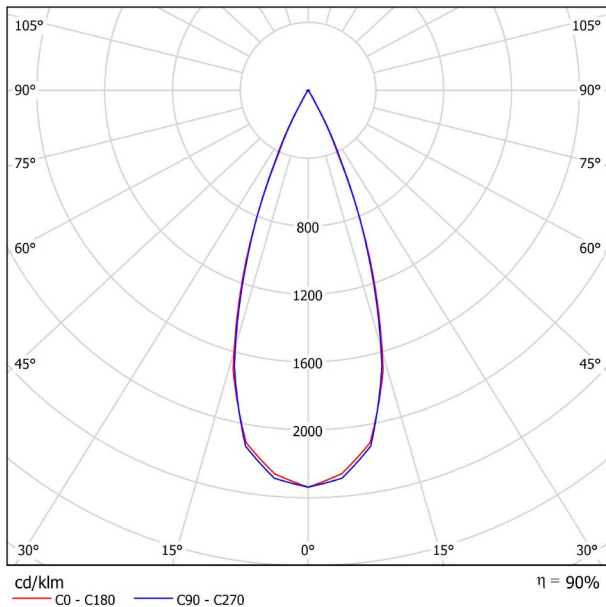
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

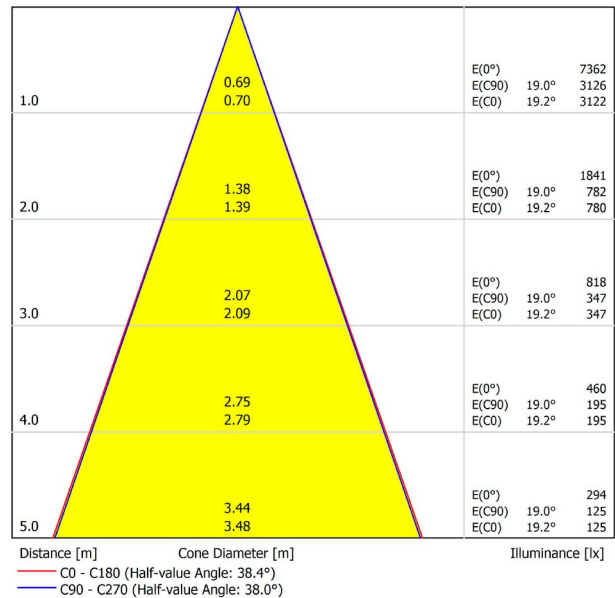


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POLAR DIAGRAM



CONICAL DIAGRAM

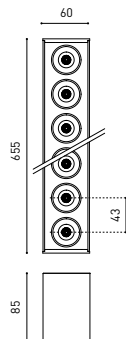


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	4H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
12H	4H	0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
	6H	4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
	8H	6.2	6.4	6.7	6.8	7.3	6.4	6.5	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM DALI 4000K NT
Reference	A3206022NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

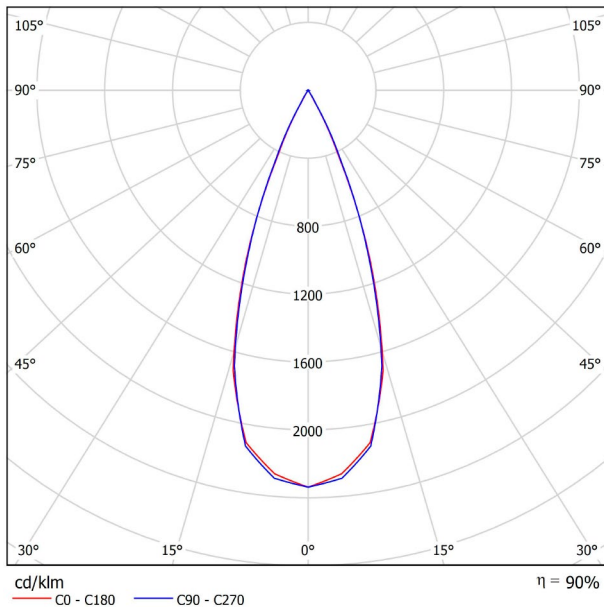
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

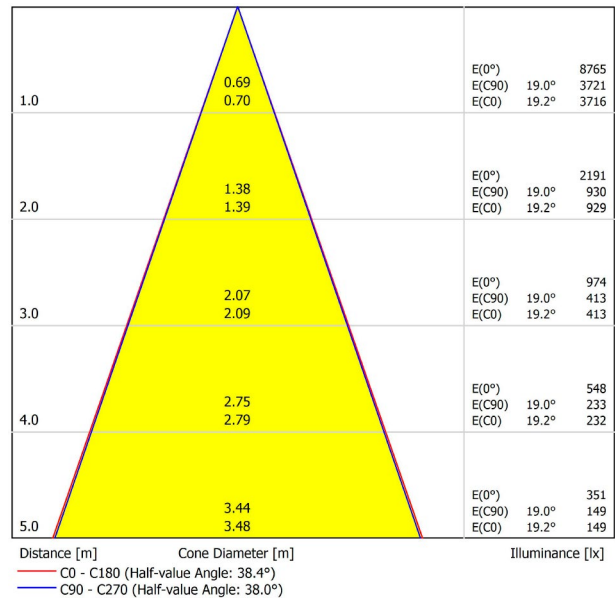


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POLAR DIAGRAM



CONICAL DIAGRAM

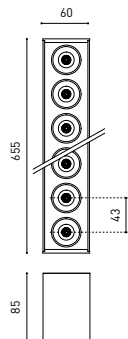


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5	
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9	
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7	
4H	12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8	
	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5	
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9	
	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5	
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4	
12H	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4	
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0	
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM DALI 4000K WT
Reference	A3206022WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

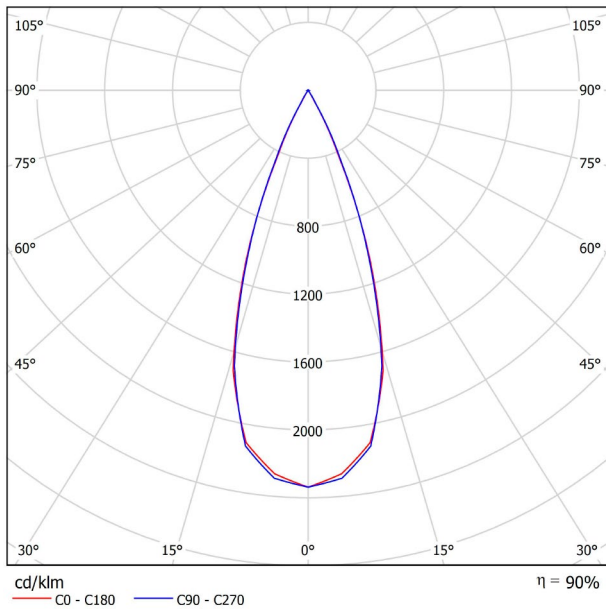
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

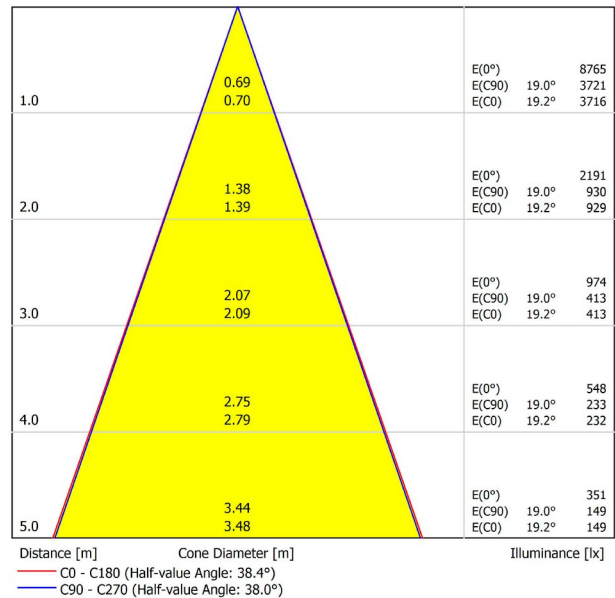


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POLAR DIAGRAM



CONICAL DIAGRAM

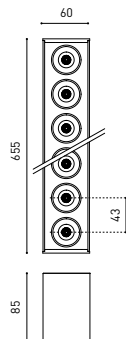


UGR

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7
4H	12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8
	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9
8H	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9
	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4
12H	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand											
Corrected Glare Indices referring to 3750lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM PUSH 2700K NT
Reference	A3206030NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

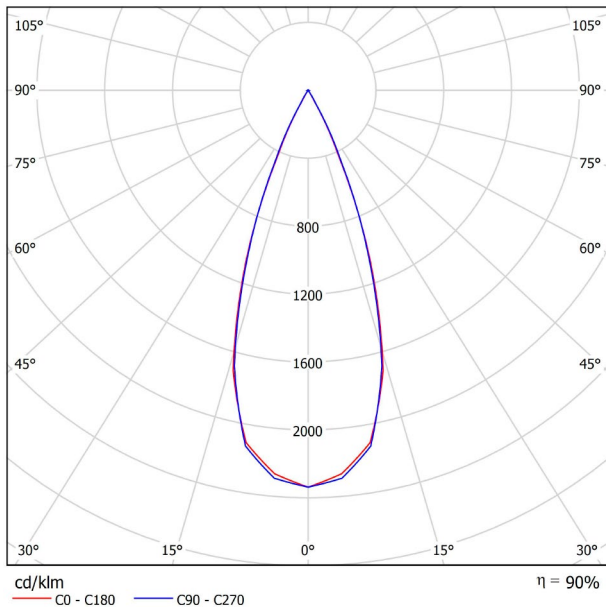
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

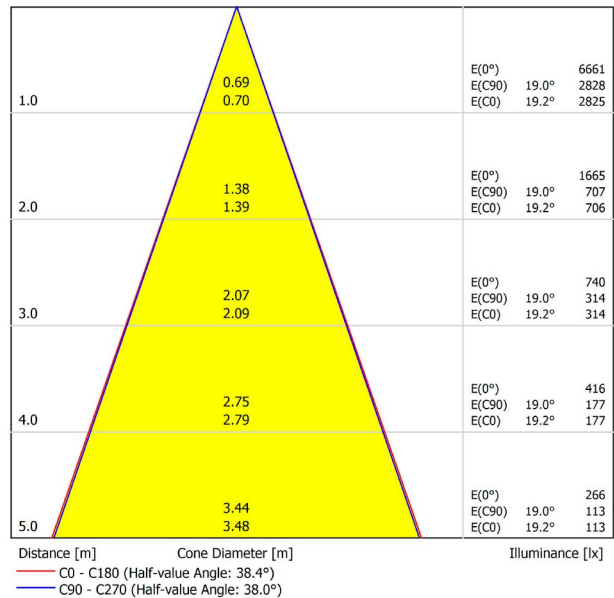


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

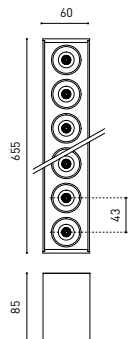


UGR

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	50	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
4H	12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8
	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
8H	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
	12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9
	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
12H	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand											
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 DIM PUSH 2700K WT
Reference	A3206030WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

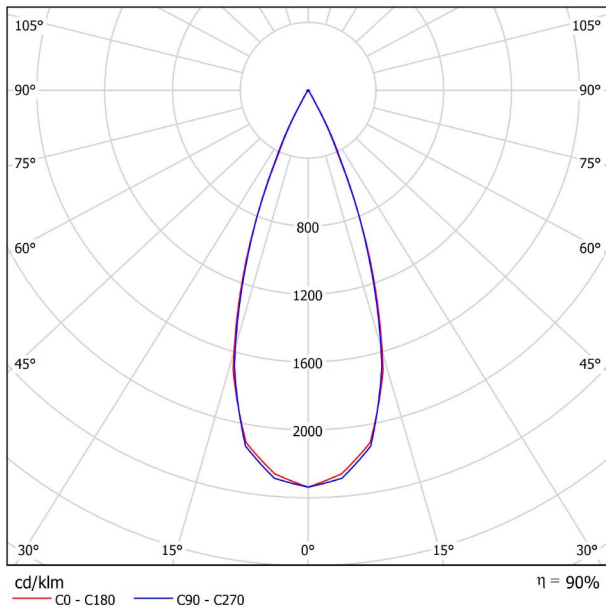
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

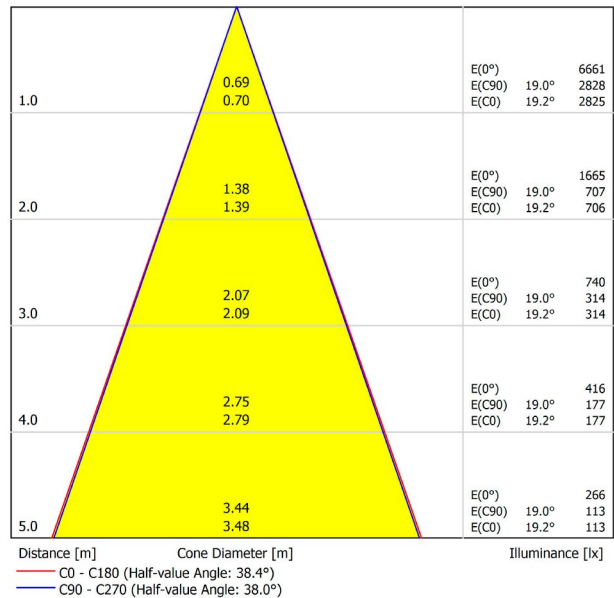


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

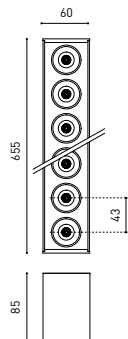


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
4H	12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8
	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
8H	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
	12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9
	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
12H	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
	Variation of the observer position for the luminaire distances S										
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction		---					---				
Summand		---					---				
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM PUSH 3000K NT
Reference	A3206031NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

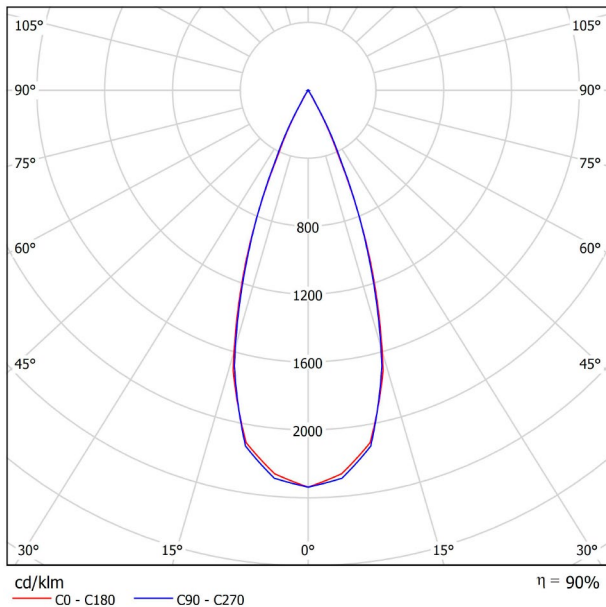
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

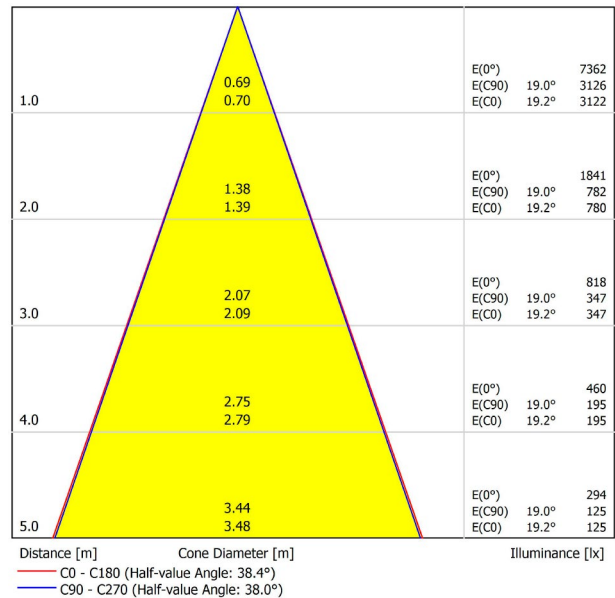


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

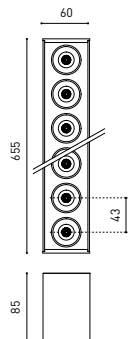


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	12H	3.8	4.1	4.2	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
	4H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	2H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
12H	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
	4H	0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
	6H	4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
	8H	6.2	6.4	6.7	6.8	7.3	6.4	6.5	6.9	7.0	7.5	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM PUSH 3000K WT
Reference	A3206031WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

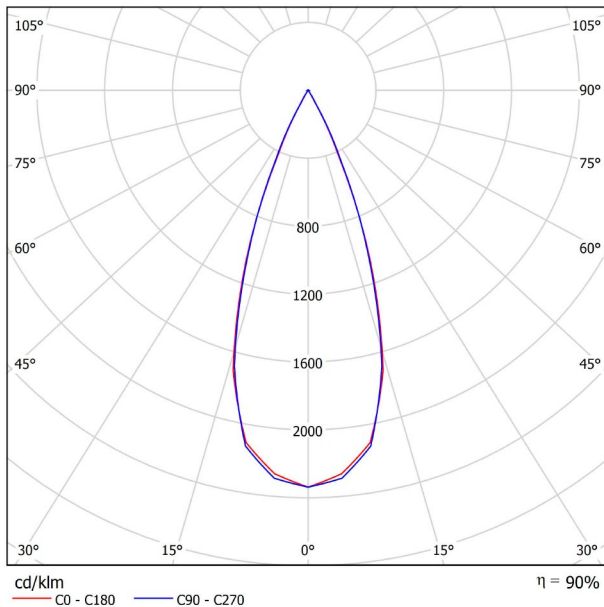
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

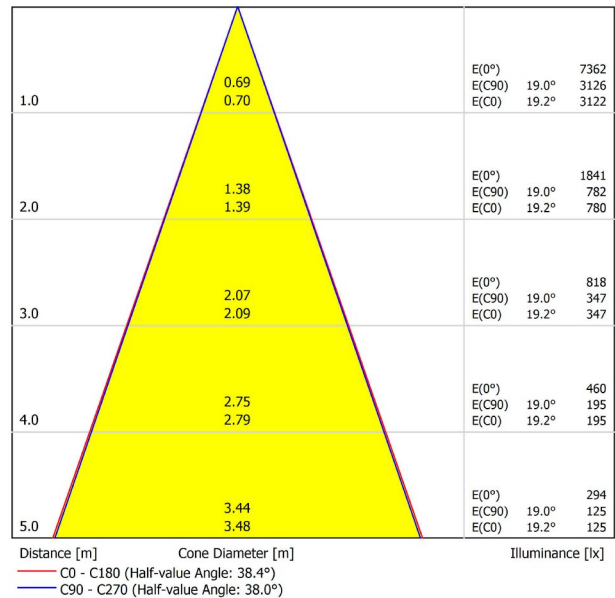


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POLAR DIAGRAM



CONICAL DIAGRAM

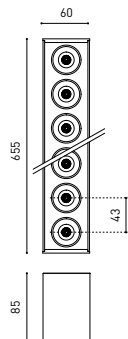


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	12H	3.8	4.1	4.2	4.5	4.9	4.1	4.4	4.5	4.8	5.2	
	4H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	4H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
12H	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
	4H	0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
	6H	4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
	8H	6.2	6.4	6.7	6.8	7.3	6.4	6.5	6.9	7.0	7.5	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM PUSH 4000K NT
Reference	A3206032NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

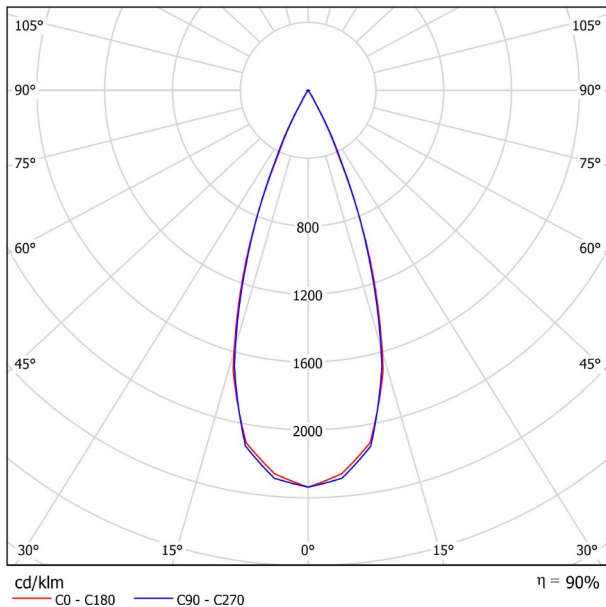
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

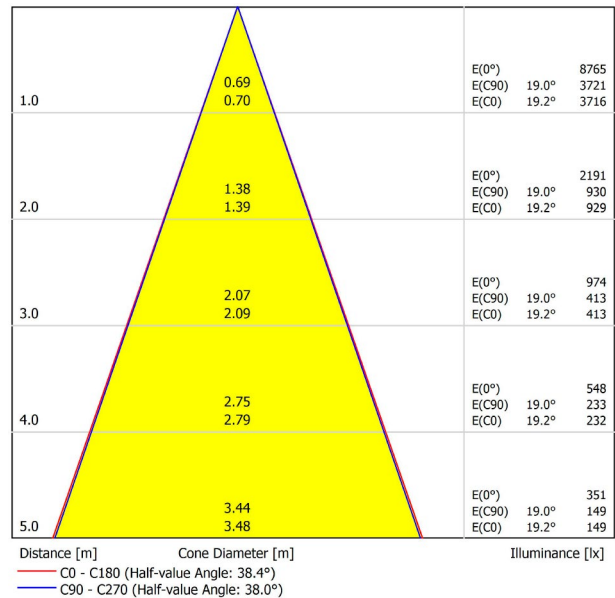


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

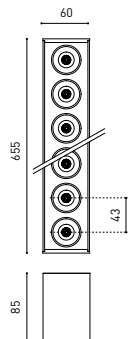


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5	
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9	
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7	
4H	12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8	
	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5	
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9	
	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5	
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4	
12H	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4	
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0	
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 DIM PUSH 4000K WT
Reference	A3206032WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	Push
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

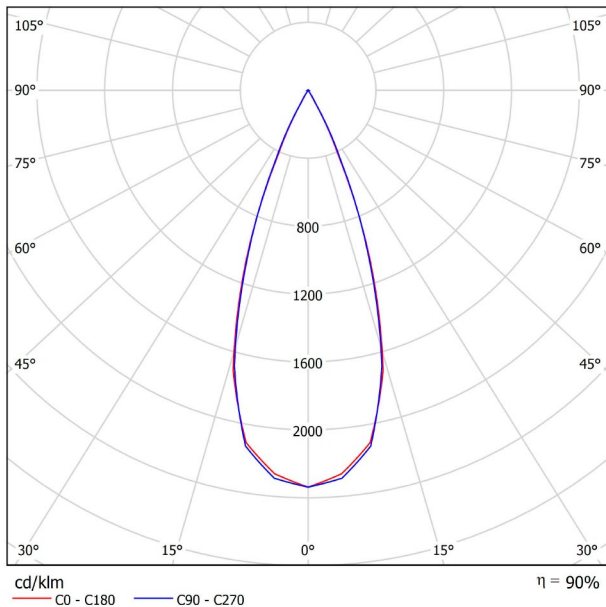
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

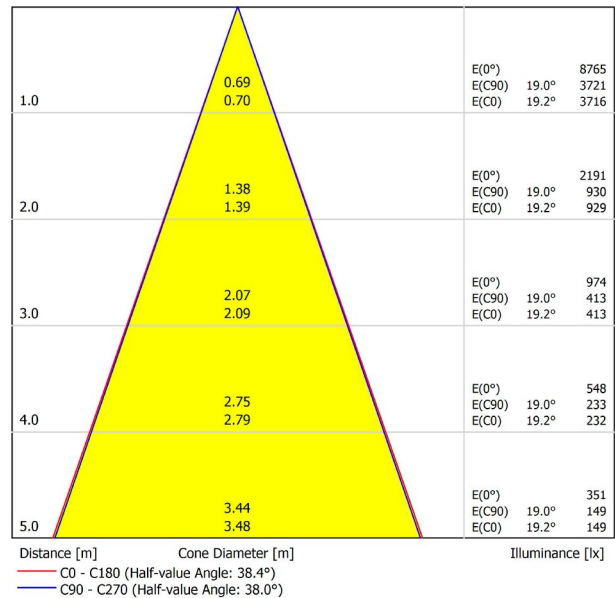


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

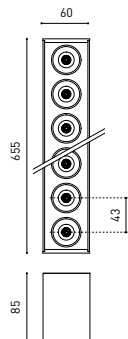


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5	
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9	
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7	
4H	12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8	
	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5	
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9	
	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5	
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4	
12H	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4	
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0	
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM 1/10V 2700K NT
Reference	A3206040NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	35,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

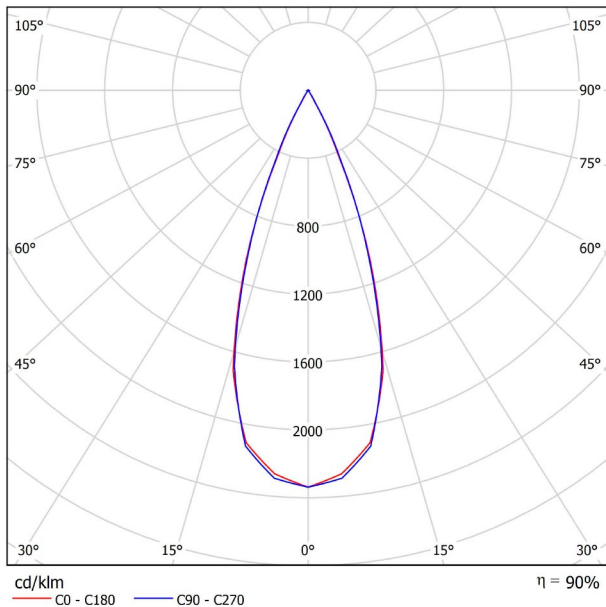
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

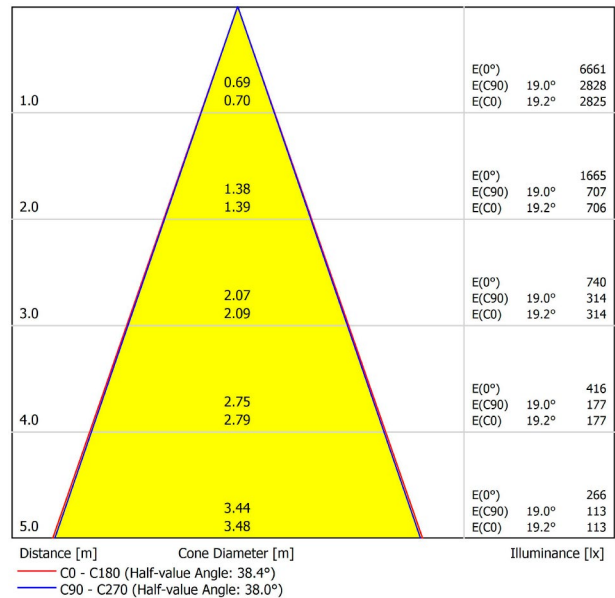


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

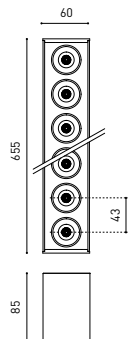


UGR

Glare Evaluation According to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	50	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8	
4H	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9	
8H	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
12H	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3				+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6				+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8				+4.2 / -1.0					
Standard table		---				---					
Correction		---				---					
Summand		---				---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM 1/10V 2700K WT
Reference	A3206040WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	35,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tc=85°C) >60.000h

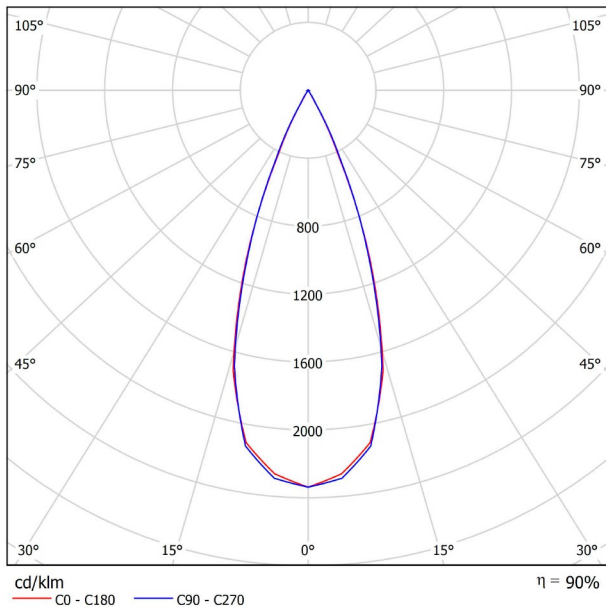
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

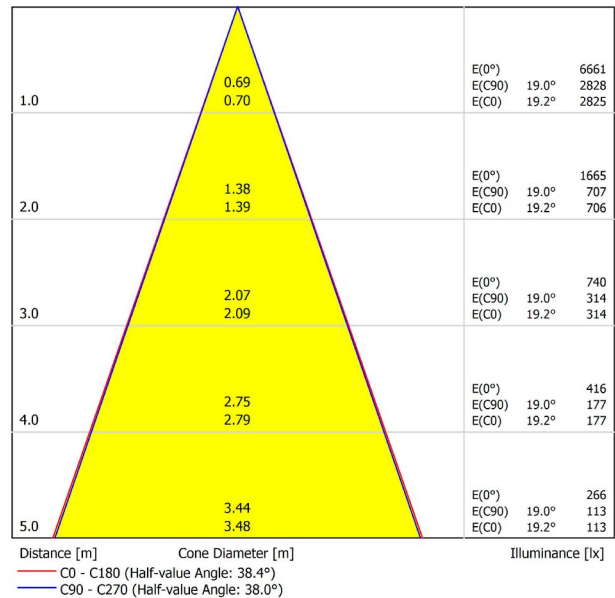


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POLAR DIAGRAM



CONICAL DIAGRAM

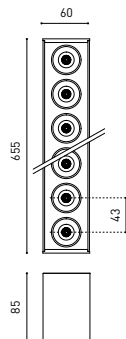


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.9	-13.3	-13.7	-13.1	-12.9	-14.8	-14.1	-14.5	-13.9	-13.7
	3H	-7.6	-7.0	-7.3	-6.8	-6.6	-7.5	-6.9	-7.2	-6.7	-6.4
	4H	-4.1	-3.6	-3.8	-3.3	-3.1	-3.5	-3.0	-3.2	-2.7	-2.5
	6H	-0.5	0.0	-0.2	0.3	0.6	-0.1	0.4	0.2	0.7	1.0
	8H	1.4	1.9	1.7	2.2	2.4	1.7	2.2	2.0	2.5	2.8
12H	3.4	3.8	3.7	4.1	4.4	3.7	4.2	4.1	4.5	4.8	
4H	2H	-11.4	-10.8	-11.1	-10.6	-10.3	-11.7	-11.2	-11.4	-10.9	-10.7
	3H	-5.4	-4.9	-5.0	-4.6	-4.3	-5.2	-4.7	-4.9	-4.4	-4.1
	4H	-2.0	-1.6	-1.6	-1.2	-0.9	-1.5	-1.1	-1.1	-0.8	-0.4
	6H	1.6	1.9	2.0	2.3	2.7	1.9	2.2	2.3	2.6	3.0
	8H	3.5	3.8	3.9	4.1	4.5	3.7	4.0	4.2	4.4	4.8
12H	5.5	5.7	5.9	6.1	6.6	5.8	6.1	6.3	6.5	6.9	
8H	4H	-0.4	-0.1	-0.0	0.2	0.6	-0.1	0.2	0.3	0.5	0.9
	6H	3.2	3.4	3.7	3.9	4.3	3.4	3.6	3.9	4.1	4.5
	8H	5.2	5.4	5.7	5.8	6.3	5.4	5.6	5.9	6.0	6.5
	12H	7.4	7.5	7.8	8.0	8.5	7.6	7.8	8.1	8.2	8.7
12H	4H	0.1	0.3	0.5	0.7	1.2	0.3	0.6	0.8	1.0	1.4
	6H	3.8	4.0	4.3	4.4	4.9	4.0	4.2	4.5	4.6	5.1
	8H	5.9	6.0	6.4	6.5	7.0	6.1	6.2	6.5	6.7	7.2
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction Summand		---					---				
Corrected Glare Indices referring to 2850lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM 1/10V 3000K NT
Reference	A3206041NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	35,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

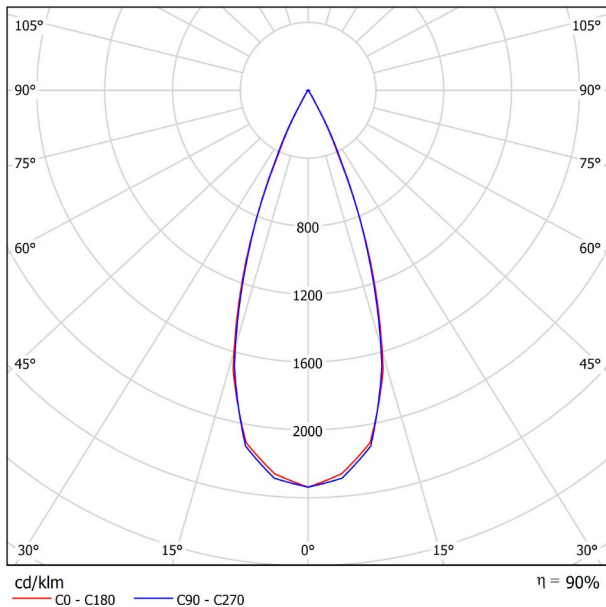
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

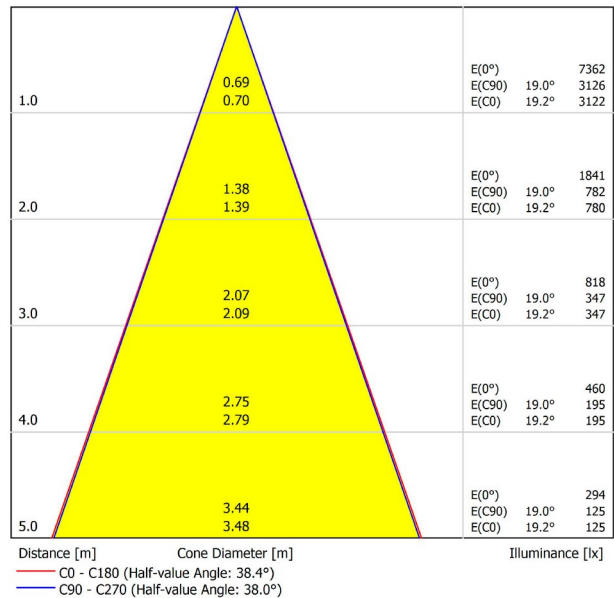


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

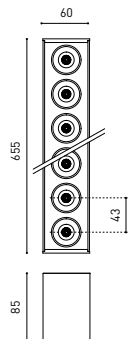


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	4H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
12H	4H	0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
	6H	4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
	8H	6.2	6.4	6.7	6.8	7.3	6.4	6.5	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM 1/10V 3000K WT
Reference	A3206041WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	35,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

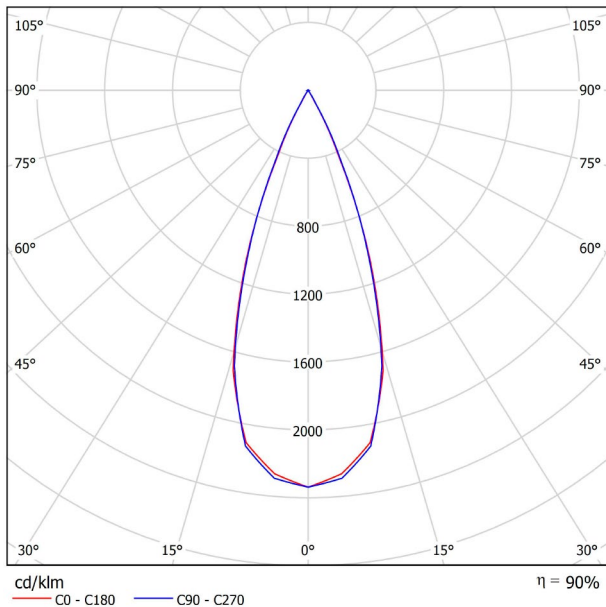
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

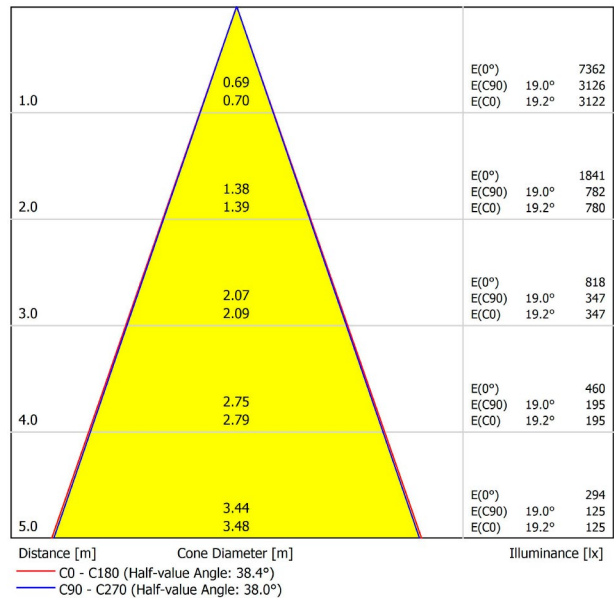


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POLAR DIAGRAM



CONICAL DIAGRAM

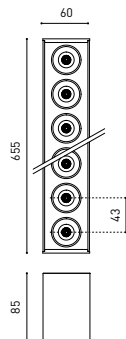


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.6	-12.9	-13.3	-12.8	-12.6	-14.4	-13.8	-14.2	-13.6	-13.4	
	3H	-7.3	-6.7	-7.0	-6.5	-6.2	-7.1	-6.6	-6.9	-6.3	-6.1	
	4H	-3.8	-3.2	-3.5	-3.0	-2.7	-3.2	-2.6	-2.9	-2.4	-2.1	
	6H	-0.1	0.4	0.2	0.7	0.9	0.3	0.8	0.6	1.0	1.3	
	8H	1.7	2.2	2.1	2.5	2.8	2.1	2.5	2.4	2.8	3.1	
4H	12H	3.7	4.2	4.1	4.5	4.8	4.1	4.5	4.4	4.9	5.2	
	2H	-11.0	-10.5	-10.7	-10.2	-10.0	-11.4	-10.8	-11.1	-10.6	-10.3	
	3H	-5.0	-4.6	-4.7	-4.3	-4.0	-4.9	-4.4	-4.5	-4.1	-3.8	
	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.2	-0.8	-0.8	-0.4	-0.1	
	6H	1.9	2.3	2.3	2.6	3.0	2.3	2.6	2.7	2.9	3.3	
8H	12H	5.9	6.1	6.3	6.5	6.9	6.2	6.4	6.6	6.8	7.2	
	4H	-0.1	0.2	0.3	0.6	1.0	0.2	0.5	0.6	0.9	1.3	
	6H	3.6	3.8	4.0	4.2	4.6	3.8	4.0	4.2	4.4	4.9	
	8H	5.5	5.7	6.0	6.2	6.6	5.7	5.9	6.2	6.4	6.8	
	12H	7.7	7.8	8.2	8.3	8.8	8.0	8.1	8.5	8.6	9.1	
12H	4H	0.4	0.7	0.9	1.1	1.5	0.7	0.9	1.1	1.3	1.8	
	6H	4.2	4.3	4.6	4.8	5.2	4.3	4.5	4.8	4.9	5.4	
	8H	6.2	6.4	6.7	6.8	7.3	6.4	6.5	6.9	7.0	7.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM 1/10V 4000K NT
Reference	A3206042NT
Color	Textured black
RAL	9005
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	35,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

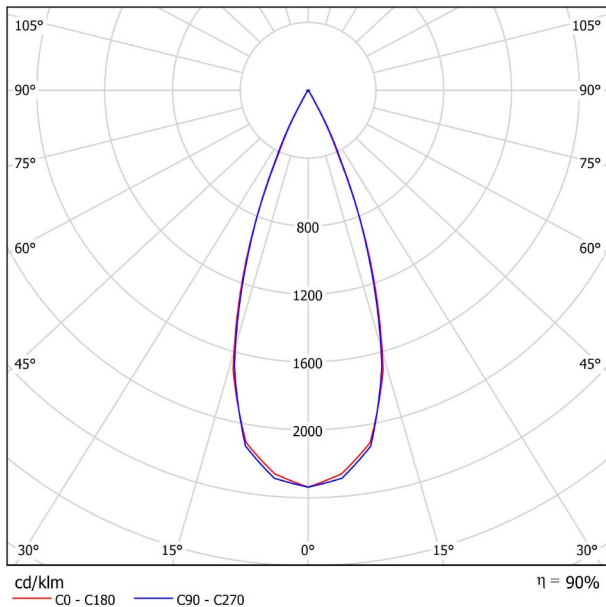
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

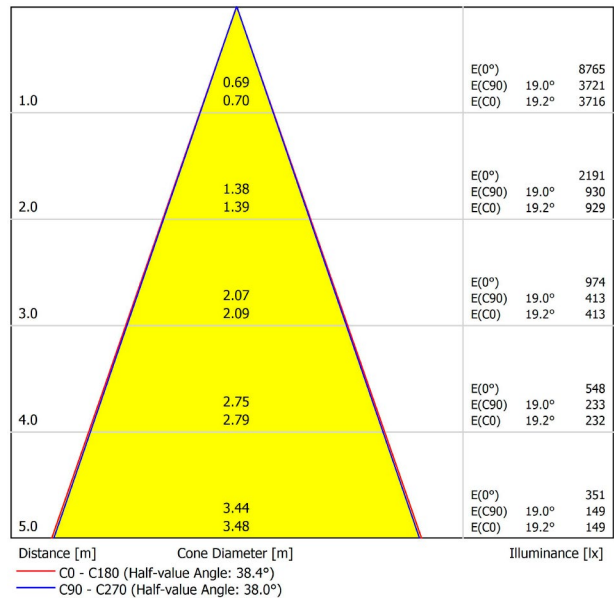


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POLAR DIAGRAM



CONICAL DIAGRAM

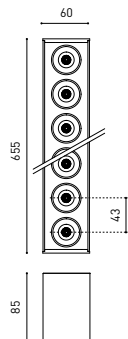


UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7
12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8	
4H	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9
	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8
12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9	
8H	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4
	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7
12H	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7				
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0				
Standard table		---					---				
Correction Summand		---					---				
Corrected Glare Indices referring to 3750lm Total Luminous Flux											



DIMENSIONS



AWARDS



PRODUCT

Name	BLACK FOSTER SURF 15 DIM 1/10V 4000K WT
Reference	A3206042WT
Color	Textured white
RAL	9016
Category	SURFACE

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	35,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 3
Light beam angle	38°
Unified Glare Rating	UGR<19
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	1-10V
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

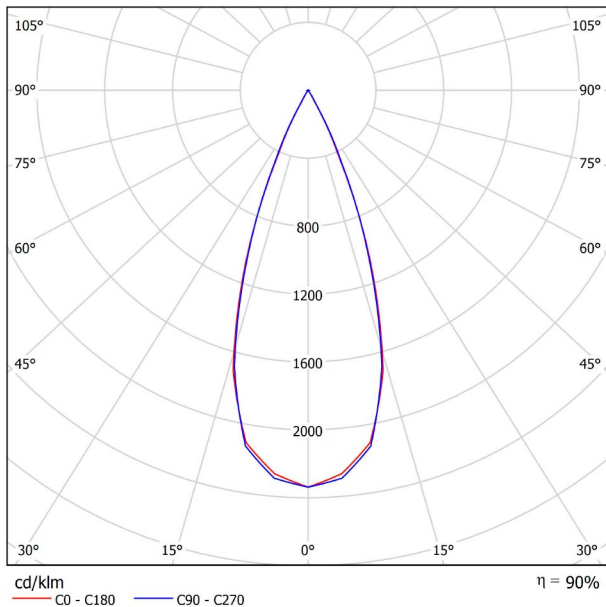
OTHER DATA

Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm.
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

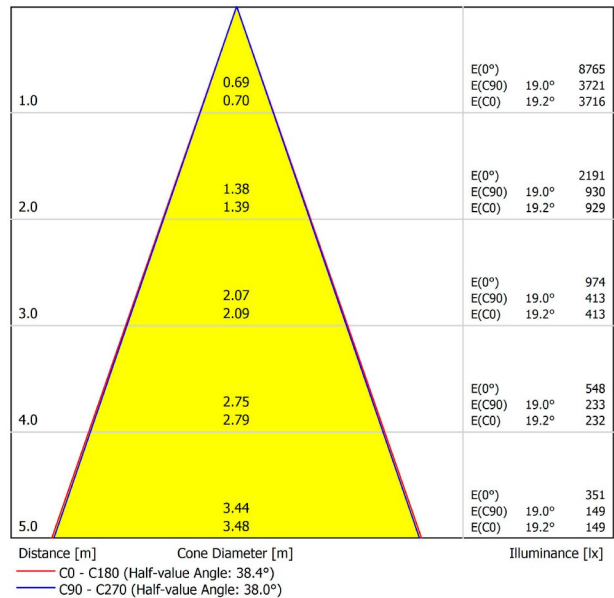


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POLAR DIAGRAM



CONICAL DIAGRAM

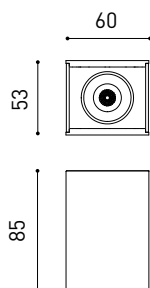


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-13.0	-12.3	-12.7	-12.2	-12.0	-13.8	-13.2	-13.6	-13.0	-12.8	
	3H	-6.7	-6.1	-6.4	-5.9	-5.6	-6.5	-5.9	-6.3	-5.7	-5.5	
	4H	-3.2	-2.6	-2.9	-2.4	-2.1	-2.6	-2.0	-2.3	-1.8	-1.5	
	6H	0.5	1.0	0.8	1.3	1.5	0.9	1.4	1.2	1.6	1.9	
	8H	2.3	2.8	2.7	3.1	3.4	2.7	3.1	3.0	3.4	3.7	
4H	12H	4.3	4.8	4.7	5.1	5.4	4.7	5.2	5.0	5.5	5.8	
	2H	-10.4	-9.9	-10.1	-9.6	-9.4	-10.8	-10.2	-10.5	-10.0	-9.7	
	3H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.2	-3.8	-3.9	-3.5	-3.2	
	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.5	-0.2	-0.2	0.2	0.5	
	6H	2.6	2.9	3.0	3.2	3.6	2.9	3.2	3.3	3.5	3.9	
8H	8H	4.4	4.7	4.8	5.1	5.5	4.7	5.0	5.1	5.4	5.8	
	12H	6.5	6.7	6.9	7.1	7.5	6.8	7.0	7.2	7.4	7.9	
	4H	0.5	0.8	0.9	1.2	1.6	0.8	1.1	1.2	1.5	1.9	
	6H	4.2	4.4	4.6	4.8	5.3	4.4	4.6	4.8	5.0	5.5	
	8H	6.1	6.3	6.6	6.8	7.2	6.3	6.5	6.8	7.0	7.4	
12H	12H	8.3	8.4	8.8	8.9	9.4	8.6	8.7	9.1	9.2	9.7	
	4H	1.1	1.3	1.5	1.7	2.1	1.3	1.5	1.7	1.9	2.4	
	6H	4.8	4.9	5.2	5.4	5.9	4.9	5.1	5.4	5.6	6.0	
	8H	6.8	7.0	7.3	7.4	7.9	7.0	7.1	7.5	7.6	8.1	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.9 / -0.3					+1.3 / -0.4					
S = 1.5H		+1.9 / -0.6					+2.7 / -0.7					
S = 2.0H		+3.1 / -0.8					+4.2 / -1.0					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 4000K NT
Reference	A3201112NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	250 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

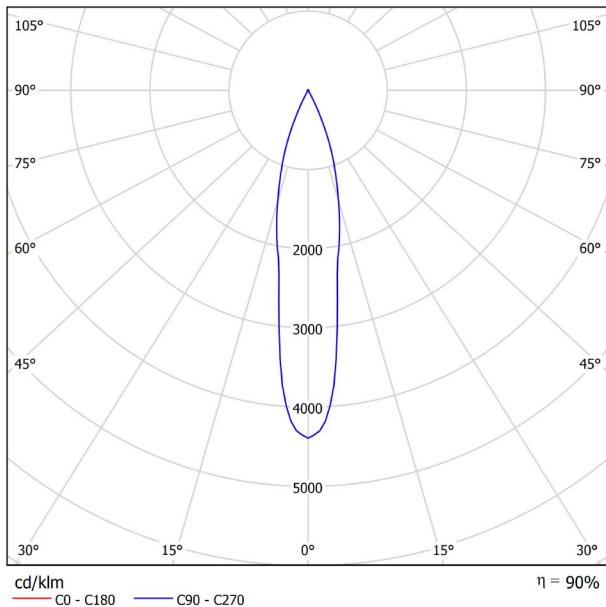
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

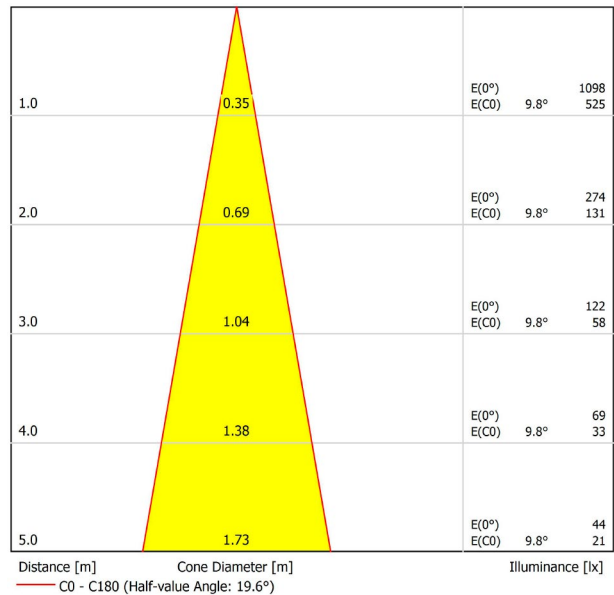


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POLAR DIAGRAM



CONICAL DIAGRAM

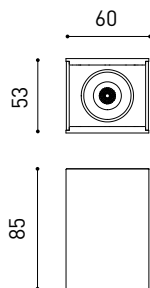


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-2.5	-1.9	-2.3	-1.7	-1.5	-2.5	-1.9	-2.3	-1.7	-1.5	
	3H	1.4	2.0	1.7	2.2	2.4	1.4	2.0	1.7	2.2	2.4	
	4H	3.8	4.4	4.1	4.6	4.9	3.8	4.4	4.1	4.6	4.9	
	6H	5.6	6.1	5.9	6.3	6.6	5.6	6.1	5.9	6.3	6.6	
	8H	6.8	7.3	7.1	7.6	7.8	6.8	7.3	7.1	7.6	7.8	
4H	12H	8.1	8.6	8.5	8.9	9.2	8.1	8.6	8.5	8.9	9.2	
	2H	-0.9	-0.3	-0.6	-0.1	0.2	-0.9	-0.3	-0.6	-0.1	0.2	
	3H	2.9	3.4	3.2	3.7	4.0	2.9	3.4	3.2	3.7	4.0	
	4H	5.3	5.7	5.7	6.1	6.4	5.3	5.7	5.7	6.1	6.4	
	6H	7.2	7.6	7.6	7.9	8.3	7.2	7.6	7.6	7.9	8.3	
8H	8H	8.6	8.9	9.0	9.2	9.6	8.6	8.9	9.0	9.2	9.6	
	12H	10.0	10.3	10.4	10.7	11.1	10.0	10.3	10.4	10.7	11.1	
	4H	6.0	6.3	6.5	6.7	7.1	6.0	6.3	6.5	6.7	7.1	
	6H	8.2	8.5	8.7	8.9	9.3	8.2	8.5	8.7	8.9	9.3	
	8H	9.8	10.0	10.3	10.5	10.9	9.8	10.0	10.3	10.5	10.9	
12H	12H	11.5	11.6	12.0	12.1	12.6	11.5	11.6	12.0	12.1	12.6	
	4H	6.3	6.5	6.7	6.9	7.3	6.3	6.5	6.7	6.9	7.3	
	6H	8.6	8.8	9.1	9.2	9.7	8.6	8.8	9.1	9.2	9.7	
	8H	10.3	10.5	10.8	10.9	11.4	10.3	10.5	10.8	10.9	11.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 4000K NTMG
Reference	A3201112NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	250 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

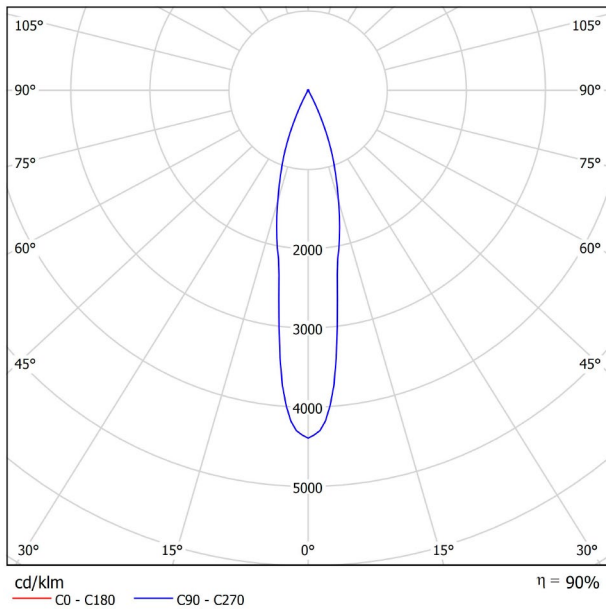
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

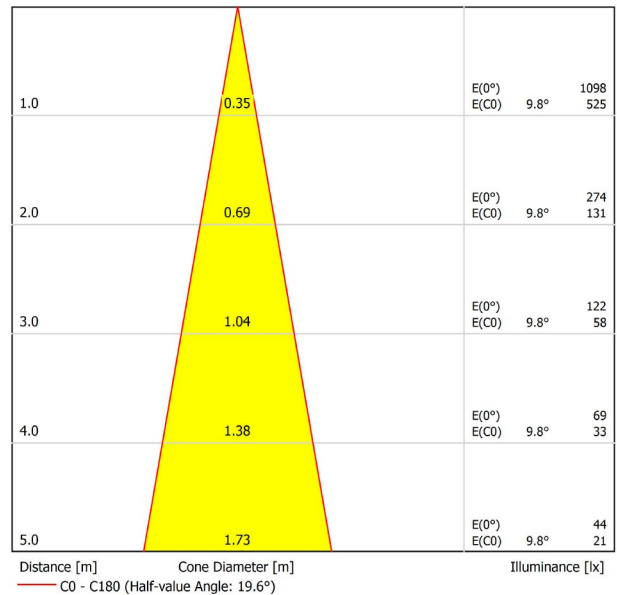


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

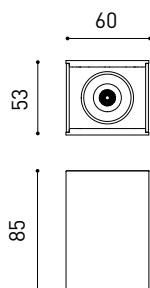


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-2.5	-1.9	-2.3	-1.7	-1.5	-2.5	-1.9	-2.3	-1.7	-1.5	
	3H	1.4	2.0	1.7	2.2	2.4	1.4	2.0	1.7	2.2	2.4	
	4H	3.8	4.4	4.1	4.6	4.9	3.8	4.4	4.1	4.6	4.9	
	6H	5.6	6.1	5.9	6.3	6.6	5.6	6.1	5.9	6.3	6.6	
	8H	6.8	7.3	7.1	7.6	7.8	6.8	7.3	7.1	7.6	7.8	
4H	12H	8.1	8.6	8.5	8.9	9.2	8.1	8.6	8.5	8.9	9.2	
	2H	-0.9	-0.3	-0.6	-0.1	0.2	-0.9	-0.3	-0.6	-0.1	0.2	
	3H	2.9	3.4	3.2	3.7	4.0	2.9	3.4	3.2	3.7	4.0	
	4H	5.3	5.7	5.7	6.1	6.4	5.3	5.7	5.7	6.1	6.4	
	6H	7.2	7.6	7.6	7.9	8.3	7.2	7.6	7.6	7.9	8.3	
8H	8H	8.6	8.9	9.0	9.2	9.6	8.6	8.9	9.0	9.2	9.6	
	12H	10.0	10.3	10.4	10.7	11.1	10.0	10.3	10.4	10.7	11.1	
	4H	6.0	6.3	6.5	6.7	7.1	6.0	6.3	6.5	6.7	7.1	
	6H	8.2	8.5	8.7	8.9	9.3	8.2	8.5	8.7	8.9	9.3	
	8H	9.8	10.0	10.3	10.5	10.9	9.8	10.0	10.3	10.5	10.9	
12H	12H	11.5	11.6	12.0	12.1	12.6	11.5	11.6	12.0	12.1	12.6	
	4H	6.3	6.5	6.7	6.9	7.3	6.3	6.5	6.7	6.9	7.3	
	6H	8.6	8.8	9.1	9.2	9.7	8.6	8.8	9.1	9.2	9.7	
	8H	10.3	10.5	10.8	10.9	11.4	10.3	10.5	10.8	10.9	11.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 4000K WT
Reference	A3201112WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	250 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

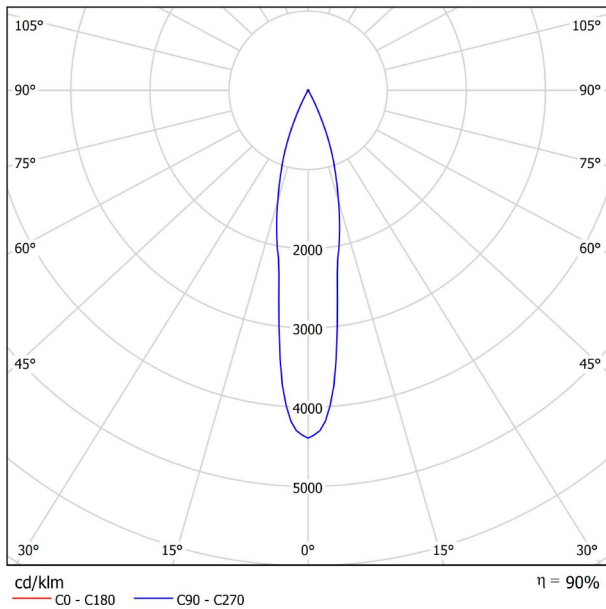
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

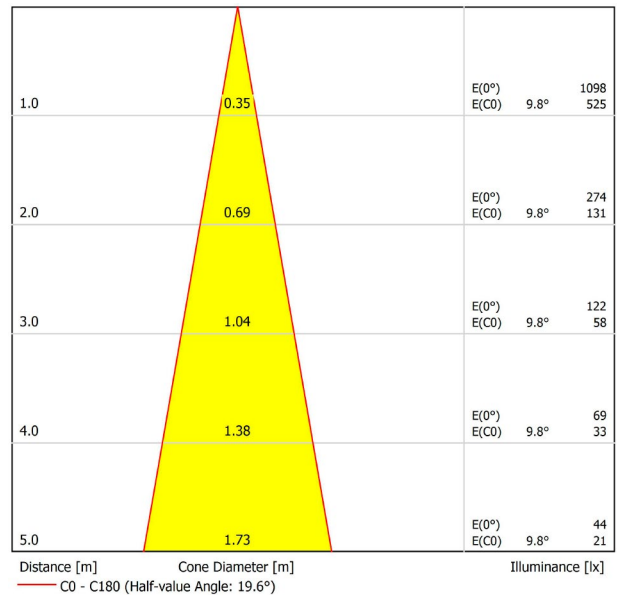


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

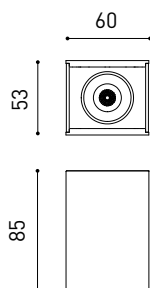


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-2.5	-1.9	-2.3	-1.7	-1.5	-2.5	-1.9	-2.3	-1.7	-1.5	
	3H	1.4	2.0	1.7	2.2	2.4	1.4	2.0	1.7	2.2	2.4	
	4H	3.8	4.4	4.1	4.6	4.9	3.8	4.4	4.1	4.6	4.9	
	6H	5.6	6.1	5.9	6.3	6.6	5.6	6.1	5.9	6.3	6.6	
	8H	6.8	7.3	7.1	7.6	7.8	6.8	7.3	7.1	7.6	7.8	
4H	12H	8.1	8.6	8.5	8.9	9.2	8.1	8.6	8.5	8.9	9.2	
	2H	-0.9	-0.3	-0.6	-0.1	0.2	-0.9	-0.3	-0.6	-0.1	0.2	
	3H	2.9	3.4	3.2	3.7	4.0	2.9	3.4	3.2	3.7	4.0	
	4H	5.3	5.7	5.7	6.1	6.4	5.3	5.7	5.7	6.1	6.4	
	6H	7.2	7.6	7.6	7.9	8.3	7.2	7.6	7.6	7.9	8.3	
8H	8H	8.6	8.9	9.0	9.2	9.6	8.6	8.9	9.0	9.2	9.6	
	12H	10.0	10.3	10.4	10.7	11.1	10.0	10.3	10.4	10.7	11.1	
	4H	6.0	6.3	6.5	6.7	7.1	6.0	6.3	6.5	6.7	7.1	
	6H	8.2	8.5	8.7	8.9	9.3	8.2	8.5	8.7	8.9	9.3	
	8H	9.8	10.0	10.3	10.5	10.9	9.8	10.0	10.3	10.5	10.9	
12H	12H	11.5	11.6	12.0	12.1	12.6	11.5	11.6	12.0	12.1	12.6	
	4H	6.3	6.5	6.7	6.9	7.3	6.3	6.5	6.7	6.9	7.3	
	6H	8.6	8.8	9.1	9.2	9.7	8.6	8.8	9.1	9.2	9.7	
	8H	10.3	10.5	10.8	10.9	11.4	10.3	10.5	10.8	10.9	11.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 4000K WTMG
Reference	A3201112WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	250 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

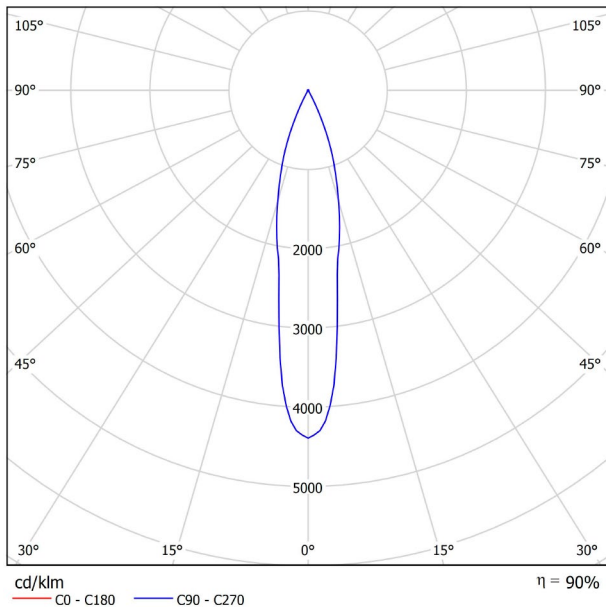
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

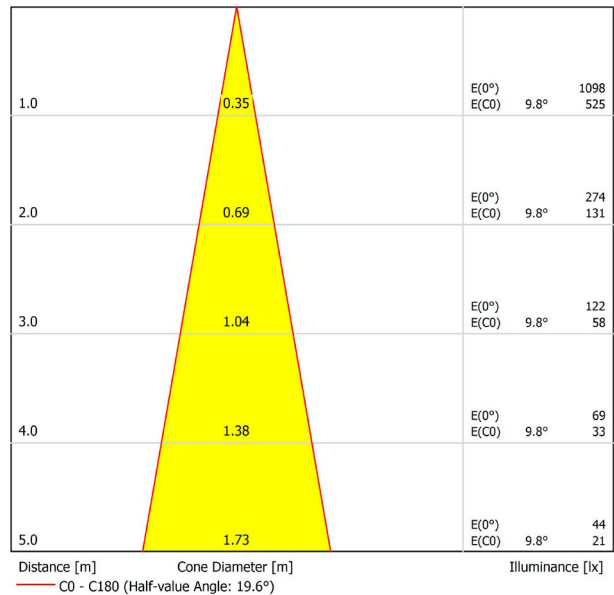


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

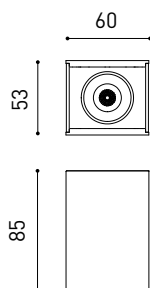


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-2.5	-1.9	-2.3	-1.7	-1.5	-2.5	-1.9	-2.3	-1.7	-1.5	
	3H	1.4	2.0	1.7	2.2	2.4	1.4	2.0	1.7	2.2	2.4	
	4H	3.8	4.4	4.1	4.6	4.9	3.8	4.4	4.1	4.6	4.9	
	6H	5.6	6.1	5.9	6.3	6.6	5.6	6.1	5.9	6.3	6.6	
	8H	6.8	7.3	7.1	7.6	7.8	6.8	7.3	7.1	7.6	7.8	
4H	12H	8.1	8.6	8.5	8.9	9.2	8.1	8.6	8.5	8.9	9.2	
	2H	-0.9	-0.3	-0.6	-0.1	0.2	-0.9	-0.3	-0.6	-0.1	0.2	
	3H	2.9	3.4	3.2	3.7	4.0	2.9	3.4	3.2	3.7	4.0	
	4H	5.3	5.7	5.7	6.1	6.4	5.3	5.7	5.7	6.1	6.4	
	6H	7.2	7.6	7.6	7.9	8.3	7.2	7.6	7.6	7.9	8.3	
8H	8H	8.6	8.9	9.0	9.2	9.6	8.6	8.9	9.0	9.2	9.6	
	12H	10.0	10.3	10.4	10.7	11.1	10.0	10.3	10.4	10.7	11.1	
	4H	6.0	6.3	6.5	6.7	7.1	6.0	6.3	6.5	6.7	7.1	
	6H	8.2	8.5	8.7	8.9	9.3	8.2	8.5	8.7	8.9	9.3	
	8H	9.8	10.0	10.3	10.5	10.9	9.8	10.0	10.3	10.5	10.9	
12H	12H	11.5	11.6	12.0	12.1	12.6	11.5	11.6	12.0	12.1	12.6	
	4H	6.3	6.5	6.7	6.9	7.3	6.3	6.5	6.7	6.9	7.3	
	6H	8.6	8.8	9.1	9.2	9.7	8.6	8.8	9.1	9.2	9.7	
	8H	10.3	10.5	10.8	10.9	11.4	10.3	10.5	10.8	10.9	11.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 2700K NT
Reference	A3201110NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	190 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

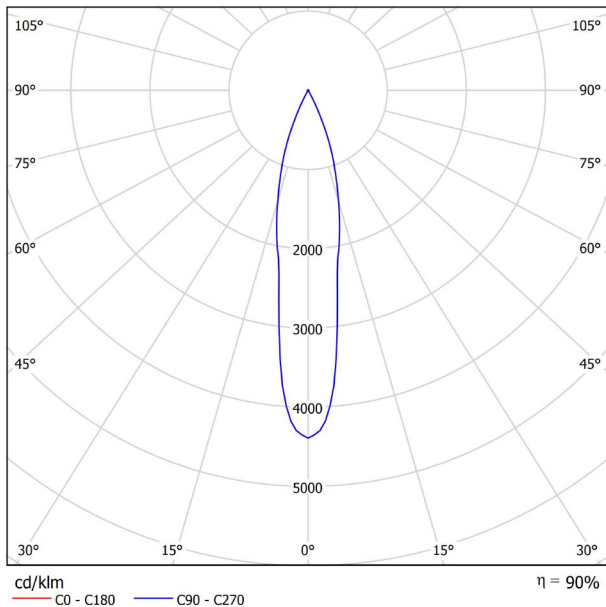
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

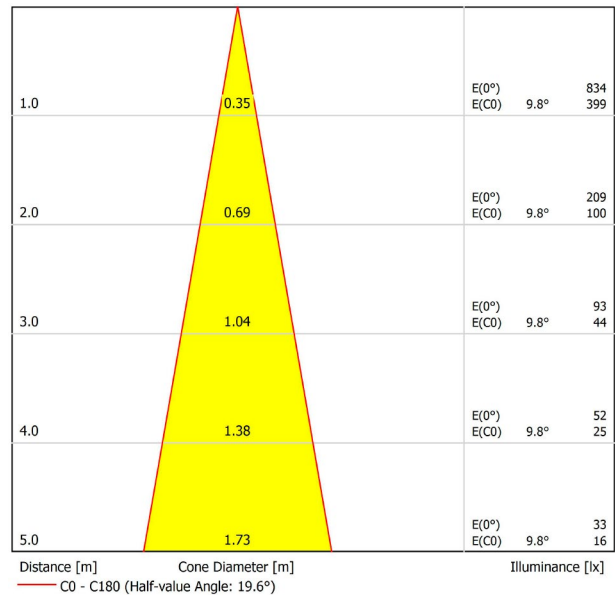


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POLAR DIAGRAM



CONICAL DIAGRAM

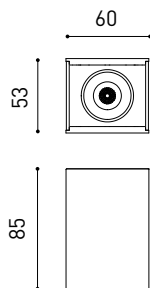


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-3.5	-2.8	-3.2	-2.6	-2.4	-3.5	-2.8	-3.2	-2.6	-2.4	
	3H	0.4	1.0	0.7	1.3	1.5	0.4	1.0	0.7	1.3	1.5	
	4H	2.9	3.4	3.2	3.7	3.9	2.9	3.4	3.2	3.7	3.9	
	6H	4.6	5.1	4.9	5.4	5.7	4.6	5.1	4.9	5.4	5.7	
	8H	5.8	6.3	6.2	6.6	6.9	5.8	6.3	6.2	6.6	6.9	
4H	12H	7.2	7.6	7.5	7.9	8.2	7.2	7.6	7.5	7.9	8.2	
	2H	-1.8	-1.3	-1.5	-1.0	-0.8	-1.8	-1.3	-1.5	-1.0	-0.8	
	3H	1.9	2.4	2.3	2.7	3.0	1.9	2.4	2.3	2.7	3.0	
	4H	4.4	4.8	4.7	5.1	5.4	4.4	4.8	4.7	5.1	5.4	
	6H	6.3	6.6	6.7	7.0	7.3	6.3	6.6	6.7	7.0	7.3	
8H	8H	7.6	7.9	8.0	8.3	8.7	7.6	7.9	8.0	8.3	8.7	
	12H	9.1	9.3	9.5	9.7	10.1	9.1	9.3	9.5	9.7	10.1	
	4H	5.1	5.4	5.5	5.8	6.2	5.1	5.4	5.5	5.8	6.2	
	6H	7.3	7.5	7.7	7.9	8.4	7.3	7.5	7.7	7.9	8.4	
	8H	8.9	9.1	9.3	9.5	10.0	8.9	9.1	9.3	9.5	10.0	
12H	12H	10.5	10.7	11.0	11.1	11.6	10.5	10.7	11.0	11.1	11.6	
	4H	5.3	5.5	5.7	5.9	6.4	5.3	5.5	5.7	5.9	6.4	
	6H	7.7	7.8	8.1	8.3	8.7	7.7	7.8	8.1	8.3	8.7	
	8H	9.4	9.5	9.9	10.0	10.5	9.4	9.5	9.9	10.0	10.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 190lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 2700K NTMG
Reference	A3201110NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	190 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

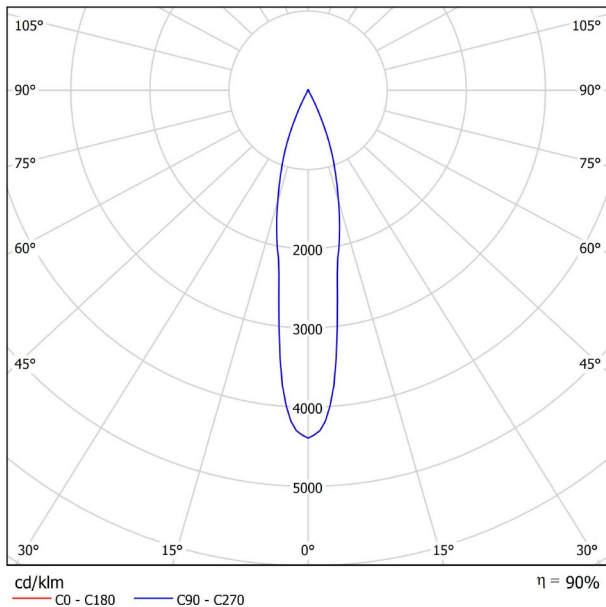
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

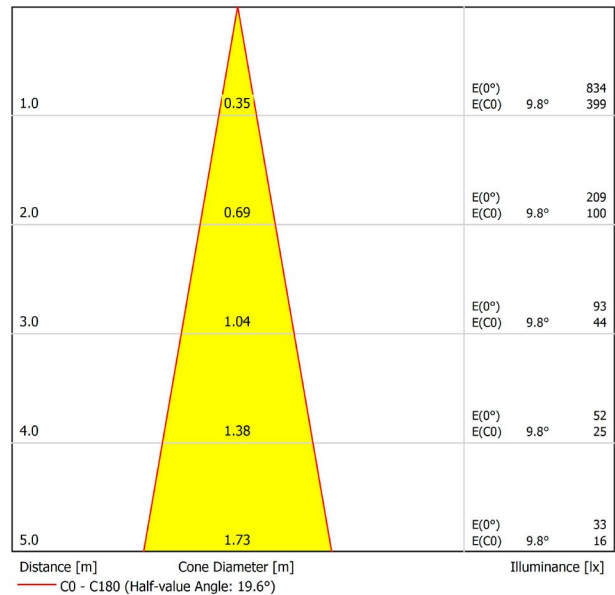


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

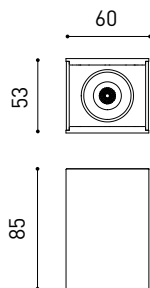


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-3.5	-2.8	-3.2	-2.6	-2.4	-3.5	-2.8	-3.2	-2.6	-2.4	
	3H	0.4	1.0	0.7	1.3	1.5	0.4	1.0	0.7	1.3	1.5	
	4H	2.9	3.4	3.2	3.7	3.9	2.9	3.4	3.2	3.7	3.9	
	6H	4.6	5.1	4.9	5.4	5.7	4.6	5.1	4.9	5.4	5.7	
	8H	5.8	6.3	6.2	6.6	6.9	5.8	6.3	6.2	6.6	6.9	
	12H	7.2	7.6	7.5	7.9	8.2	7.2	7.6	7.5	7.9	8.2	
4H	2H	-1.8	-1.3	-1.5	-1.0	-0.8	-1.8	-1.3	-1.5	-1.0	-0.8	
	3H	1.9	2.4	2.3	2.7	3.0	1.9	2.4	2.3	2.7	3.0	
	4H	4.4	4.8	4.7	5.1	5.4	4.4	4.8	4.7	5.1	5.4	
	6H	6.3	6.6	6.7	7.0	7.3	6.3	6.6	6.7	7.0	7.3	
	8H	7.6	7.9	8.0	8.3	8.7	7.6	7.9	8.0	8.3	8.7	
	12H	9.1	9.3	9.5	9.7	10.1	9.1	9.3	9.5	9.7	10.1	
8H	4H	5.1	5.4	5.5	5.8	6.2	5.1	5.4	5.5	5.8	6.2	
	6H	7.3	7.5	7.7	7.9	8.4	7.3	7.5	7.7	7.9	8.4	
	8H	8.9	9.1	9.3	9.5	10.0	8.9	9.1	9.3	9.5	10.0	
	12H	10.5	10.7	11.0	11.1	11.6	10.5	10.7	11.0	11.1	11.6	
12H	4H	5.3	5.5	5.7	5.9	6.4	5.3	5.5	5.7	5.9	6.4	
	6H	7.7	7.8	8.1	8.3	8.7	7.7	7.8	8.1	8.3	8.7	
	8H	9.4	9.5	9.9	10.0	10.5	9.4	9.5	9.9	10.0	10.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 190lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 2700K WT
Reference	A3201110WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	190 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

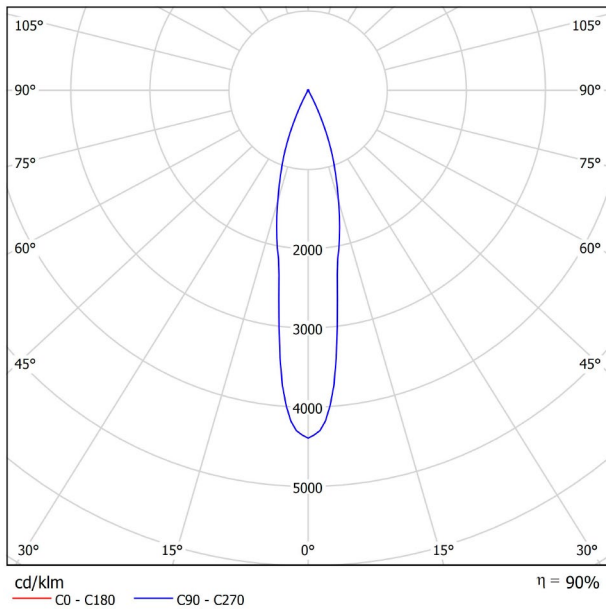
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

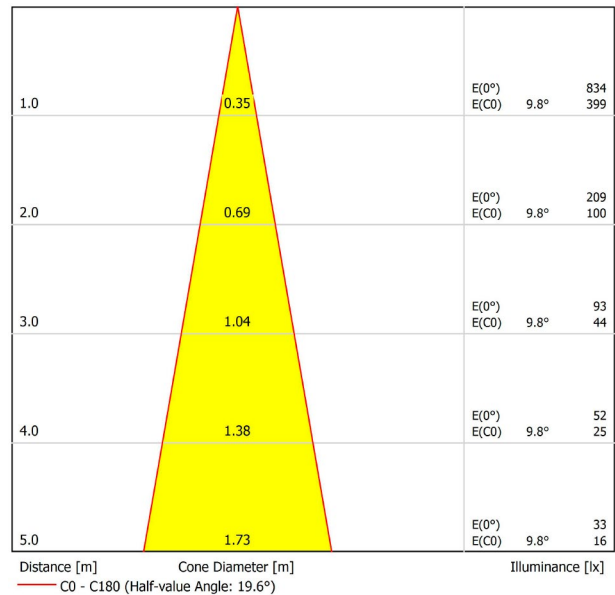


Black Foster Surface is the product that transfers the claimed effect “The Invisible Black” to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

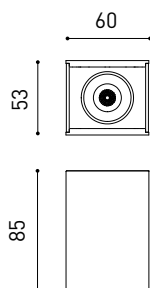


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-3.5	-2.8	-3.2	-2.6	-2.4	-3.5	-2.8	-3.2	-2.6	-2.4	
	3H	0.4	1.0	0.7	1.3	1.5	0.4	1.0	0.7	1.3	1.5	
	4H	2.9	3.4	3.2	3.7	3.9	2.9	3.4	3.2	3.7	3.9	
	6H	4.6	5.1	4.9	5.4	5.7	4.6	5.1	4.9	5.4	5.7	
	8H	5.8	6.3	6.2	6.6	6.9	5.8	6.3	6.2	6.6	6.9	
	12H	7.2	7.6	7.5	7.9	8.2	7.2	7.6	7.5	7.9	8.2	
4H	2H	-1.8	-1.3	-1.5	-1.0	-0.8	-1.8	-1.3	-1.5	-1.0	-0.8	
	3H	1.9	2.4	2.3	2.7	3.0	1.9	2.4	2.3	2.7	3.0	
	4H	4.4	4.8	4.7	5.1	5.4	4.4	4.8	4.7	5.1	5.4	
	6H	6.3	6.6	6.7	7.0	7.3	6.3	6.6	6.7	7.0	7.3	
	8H	7.6	7.9	8.0	8.3	8.7	7.6	7.9	8.0	8.3	8.7	
	12H	9.1	9.3	9.5	9.7	10.1	9.1	9.3	9.5	9.7	10.1	
8H	4H	5.1	5.4	5.5	5.8	6.2	5.1	5.4	5.5	5.8	6.2	
	6H	7.3	7.5	7.7	7.9	8.4	7.3	7.5	7.7	7.9	8.4	
	8H	8.9	9.1	9.3	9.5	10.0	8.9	9.1	9.3	9.5	10.0	
	12H	10.5	10.7	11.0	11.1	11.6	10.5	10.7	11.0	11.1	11.6	
12H	4H	5.3	5.5	5.7	5.9	6.4	5.3	5.5	5.7	5.9	6.4	
	6H	7.7	7.8	8.1	8.3	8.7	7.7	7.8	8.1	8.3	8.7	
	8H	9.4	9.5	9.9	10.0	10.5	9.4	9.5	9.9	10.0	10.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 190lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 2700K WTMG
Reference	A3201110WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	190 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

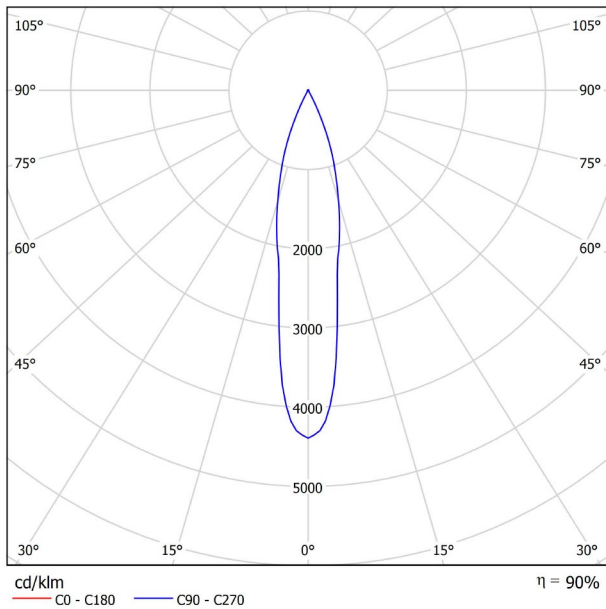
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

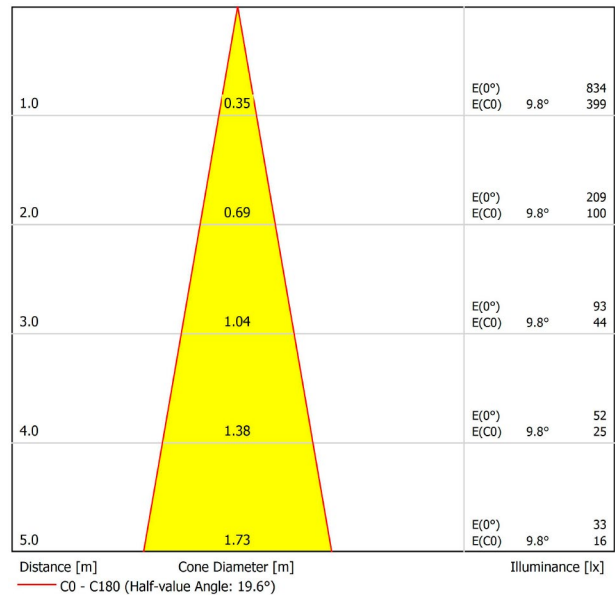


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POLAR DIAGRAM



CONICAL DIAGRAM

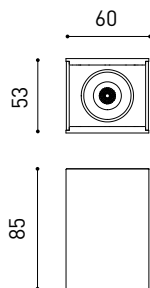


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-3.5	-2.8	-3.2	-2.6	-2.4	-3.5	-2.8	-3.2	-2.6	-2.4	
	3H	0.4	1.0	0.7	1.3	1.5	0.4	1.0	0.7	1.3	1.5	
	4H	2.9	3.4	3.2	3.7	3.9	2.9	3.4	3.2	3.7	3.9	
	6H	4.6	5.1	4.9	5.4	5.7	4.6	5.1	4.9	5.4	5.7	
	8H	5.8	6.3	6.2	6.6	6.9	5.8	6.3	6.2	6.6	6.9	
	12H	7.2	7.6	7.5	7.9	8.2	7.2	7.6	7.5	7.9	8.2	
4H	2H	-1.8	-1.3	-1.5	-1.0	-0.8	-1.8	-1.3	-1.5	-1.0	-0.8	
	3H	1.9	2.4	2.3	2.7	3.0	1.9	2.4	2.3	2.7	3.0	
	4H	4.4	4.8	4.7	5.1	5.4	4.4	4.8	4.7	5.1	5.4	
	6H	6.3	6.6	6.7	7.0	7.3	6.3	6.6	6.7	7.0	7.3	
	8H	7.6	7.9	8.0	8.3	8.7	7.6	7.9	8.0	8.3	8.7	
	12H	9.1	9.3	9.5	9.7	10.1	9.1	9.3	9.5	9.7	10.1	
8H	4H	5.1	5.4	5.5	5.8	6.2	5.1	5.4	5.5	5.8	6.2	
	6H	7.3	7.5	7.7	7.9	8.4	7.3	7.5	7.7	7.9	8.4	
	8H	8.9	9.1	9.3	9.5	10.0	8.9	9.1	9.3	9.5	10.0	
	12H	10.5	10.7	11.0	11.1	11.6	10.5	10.7	11.0	11.1	11.6	
12H	4H	5.3	5.5	5.7	5.9	6.4	5.3	5.5	5.7	5.9	6.4	
	6H	7.7	7.8	8.1	8.3	8.7	7.7	7.8	8.1	8.3	8.7	
	8H	9.4	9.5	9.9	10.0	10.5	9.4	9.5	9.9	10.0	10.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 190lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 3000K NT
Reference	A3201111NT
Color	Textured black
RAL	9005
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	210 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

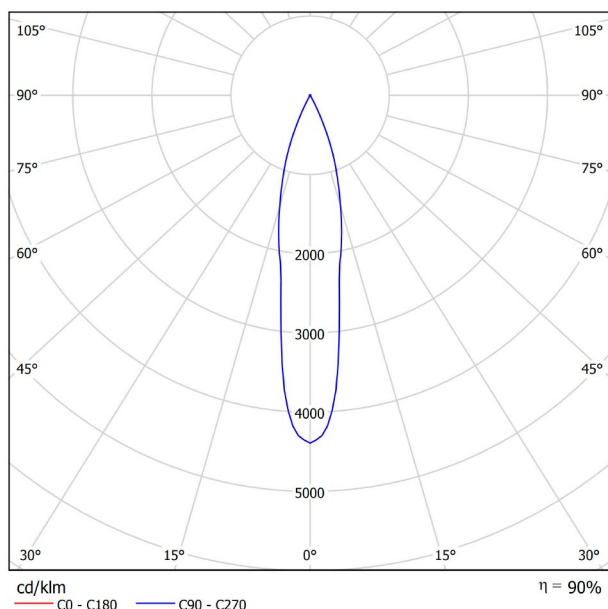
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

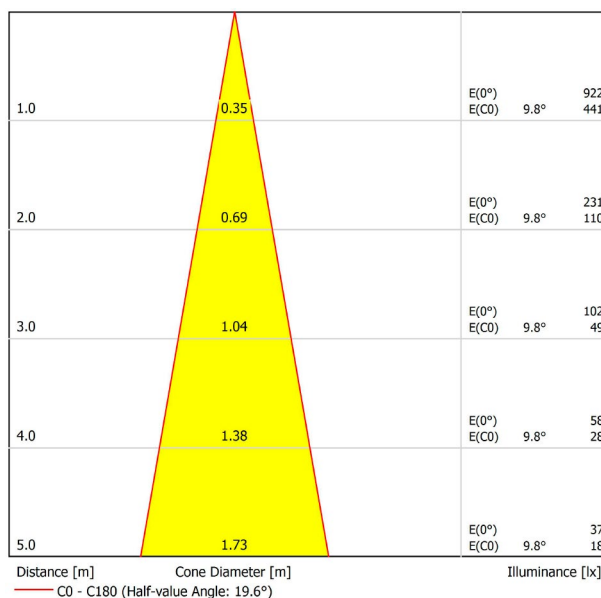


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POLAR DIAGRAM



CONICAL DIAGRAM

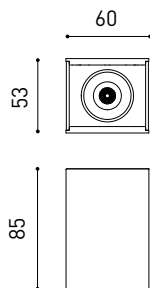


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	30
ρ Walls		50	30	50	30	30	50	30	50	30	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-3.1	-2.5	-2.9	-2.3	-2.1	-3.1	-2.5	-2.9	-2.3	-2.1	
	3H	0.8	1.4	1.1	1.6	1.8	0.8	1.4	1.1	1.6	1.8	
	4H	3.2	3.8	3.5	4.0	4.3	3.2	3.8	3.5	4.0	4.3	
	6H	5.0	5.5	5.3	5.7	6.0	5.0	5.5	5.3	5.7	6.0	
	8H	6.2	6.7	6.5	6.9	7.2	6.2	6.7	6.5	6.9	7.2	
4H	12H	7.5	8.0	7.9	8.3	8.6	7.5	8.0	7.9	8.3	8.6	
	2H	-1.5	-0.9	-1.2	-0.7	-0.4	-1.5	-0.9	-1.2	-0.7	-0.4	
	3H	2.3	2.7	2.6	3.0	3.4	2.3	2.7	2.6	3.0	3.4	
	4H	4.7	5.1	5.1	5.4	5.8	4.7	5.1	5.1	5.4	5.8	
	6H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.0	7.3	7.7	
8H	8H	8.0	8.2	8.4	8.6	9.0	8.0	8.2	8.4	8.6	9.0	
	12H	9.4	9.7	9.8	10.0	10.5	9.4	9.7	9.8	10.0	10.5	
	4H	5.4	5.7	5.9	6.1	6.5	5.4	5.7	5.9	6.1	6.5	
	6H	7.6	7.9	8.1	8.3	8.7	7.6	7.9	8.1	8.3	8.7	
	8H	9.2	9.4	9.7	9.8	10.3	9.2	9.4	9.7	9.8	10.3	
12H	12H	10.9	11.0	11.4	11.5	12.0	10.9	11.0	11.4	11.5	12.0	
	4H	5.6	5.9	6.1	6.3	6.7	5.6	5.9	6.1	6.3	6.7	
	6H	8.0	8.2	8.5	8.6	9.1	8.0	8.2	8.5	8.6	9.1	
8H		9.7	9.9	10.2	10.3	10.8	9.7	9.9	10.2	10.3	10.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 210lm Total Luminous Flux												



DIMENSIONS



AWARDS

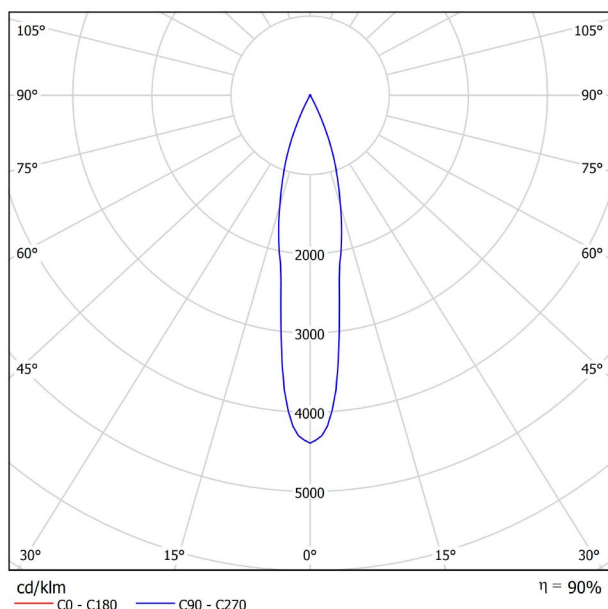


PRODUCT	
Name	BLACK FOSTER SURF 1 SPOT 3000K NTMG
Reference	A3201111NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	210 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h
OTHER DATA	
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

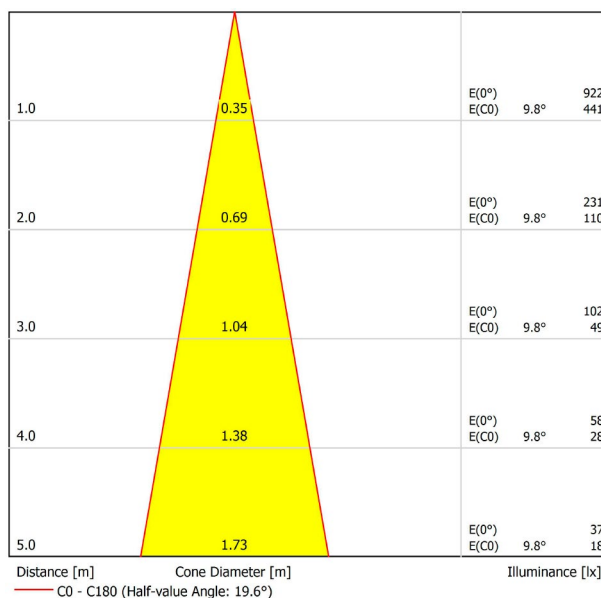


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POLAR DIAGRAM



CONICAL DIAGRAM

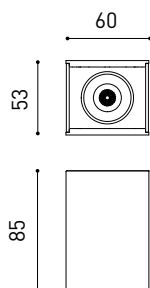


UGR

Glare Evaluation According to UGR													
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis						
2H	2H	-3.1	-2.5	-2.9	-2.3	-2.1	-3.1	-2.5	-2.9	-2.3	-2.1		
	3H	0.8	1.4	1.1	1.6	1.8	0.8	1.4	1.1	1.6	1.8		
	4H	3.2	3.8	3.5	4.0	4.3	3.2	3.8	3.5	4.0	4.3		
	6H	5.0	5.5	5.3	5.7	6.0	5.0	5.5	5.3	5.7	6.0		
	8H	6.2	6.7	6.5	6.9	7.2	6.2	6.7	6.5	6.9	7.2		
12H	12H	7.5	8.0	7.9	8.3	8.6	7.5	8.0	7.9	8.3	8.6		
	4H	2H	-1.5	-0.9	-1.2	-0.7	-0.4	-1.5	-0.9	-1.2	-0.7	-0.4	
		3H	2.3	2.7	2.6	3.0	3.4	2.3	2.7	2.6	3.0	3.4	
		4H	4.7	5.1	5.1	5.4	5.8	4.7	5.1	5.1	5.4	5.8	
		6H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.0	7.3	7.7	
8H		8.0	8.2	8.4	8.6	9.0	8.0	8.2	8.4	8.6	9.0		
8H	12H	9.4	9.7	9.8	10.0	10.5	9.4	9.7	9.8	10.0	10.5		
	4H	5.4	5.7	5.9	6.1	6.5	5.4	5.7	5.9	6.1	6.5		
	6H	7.6	7.9	8.1	8.3	8.7	7.6	7.9	8.1	8.3	8.7		
	8H	9.2	9.4	9.7	9.8	10.3	9.2	9.4	9.7	9.8	10.3		
	12H	10.9	11.0	11.4	11.5	12.0	10.9	11.0	11.4	11.5	12.0		
12H	4H	5.6	5.9	6.1	6.3	6.7	5.6	5.9	6.1	6.3	6.7		
	6H	8.0	8.2	8.5	8.6	9.1	8.0	8.2	8.5	8.6	9.1		
	8H	9.7	9.9	10.2	10.3	10.8	9.7	9.9	10.2	10.3	10.8		
Variation of the observer position for the luminaire distances S													
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2						
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3						
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5						
Standard table		---					---						
Correction		---					---						
Summand		---					---						
Corrected Glare Indices referring to 210lm Total Luminous Flux													



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 1 SPOT 3000K WT
Reference	A3201111WT
Color	Textured white
RAL	9016
Category	SURFACE

PRODUCT

Light source	LED
Gross luminous flux	210 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h

LIGHTING INFORMATION

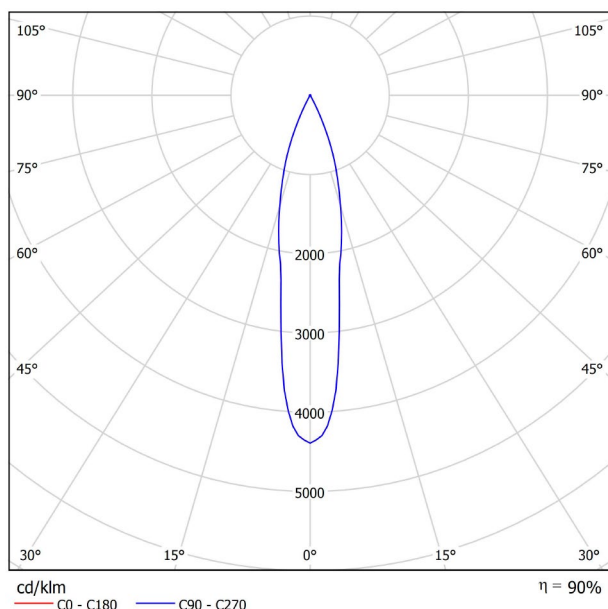
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

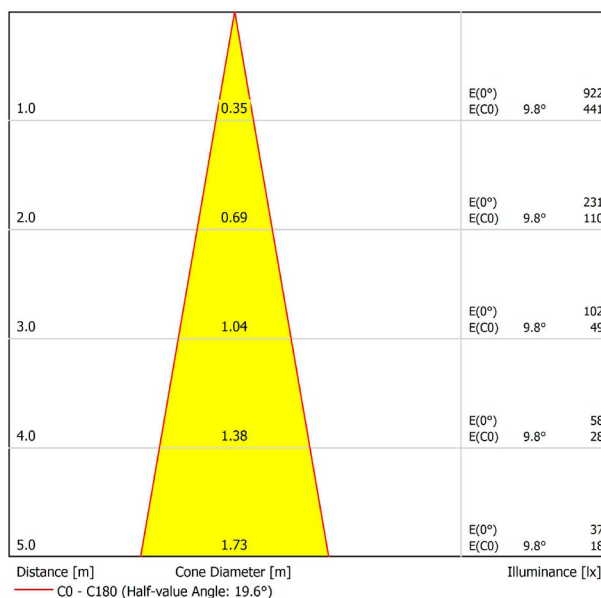


Black Foster Surface is the product that transfers the claimed effect “The Invisible Black” to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

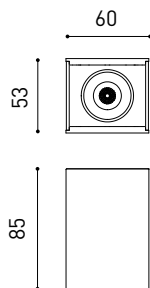


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-3.1	-2.5	-2.9	-2.3	-2.1	-3.1	-2.5	-2.9	-2.3	-2.1	
	3H	0.8	1.4	1.1	1.6	1.8	0.8	1.4	1.1	1.6	1.8	
	4H	3.2	3.8	3.5	4.0	4.3	3.2	3.8	3.5	4.0	4.3	
	6H	5.0	5.5	5.3	5.7	6.0	5.0	5.5	5.3	5.7	6.0	
	8H	6.2	6.7	6.5	6.9	7.2	6.2	6.7	6.5	6.9	7.2	
4H	12H	7.5	8.0	7.9	8.3	8.6	7.5	8.0	7.9	8.3	8.6	
	2H	-1.5	-0.9	-1.2	-0.7	-0.4	-1.5	-0.9	-1.2	-0.7	-0.4	
	3H	2.3	2.7	2.6	3.0	3.4	2.3	2.7	2.6	3.0	3.4	
	4H	4.7	5.1	5.1	5.4	5.8	4.7	5.1	5.1	5.4	5.8	
	6H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.0	7.3	7.7	
8H	8H	8.0	8.2	8.4	8.6	9.0	8.0	8.2	8.4	8.6	9.0	
	12H	9.4	9.7	9.8	10.0	10.5	9.4	9.7	9.8	10.0	10.5	
	4H	5.4	5.7	5.9	6.1	6.5	5.4	5.7	5.9	6.1	6.5	
	6H	7.6	7.9	8.1	8.3	8.7	7.6	7.9	8.1	8.3	8.7	
	8H	9.2	9.4	9.7	9.8	10.3	9.2	9.4	9.7	9.8	10.3	
12H	12H	10.9	11.0	11.4	11.5	12.0	10.9	11.0	11.4	11.5	12.0	
	4H	5.6	5.9	6.1	6.3	6.7	5.6	5.9	6.1	6.3	6.7	
	6H	8.0	8.2	8.5	8.6	9.1	8.0	8.2	8.5	8.6	9.1	
8H		9.7	9.9	10.2	10.3	10.8	9.7	9.9	10.2	10.3	10.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 210lm Total Luminous Flux												



DIMENSIONS



AWARDS

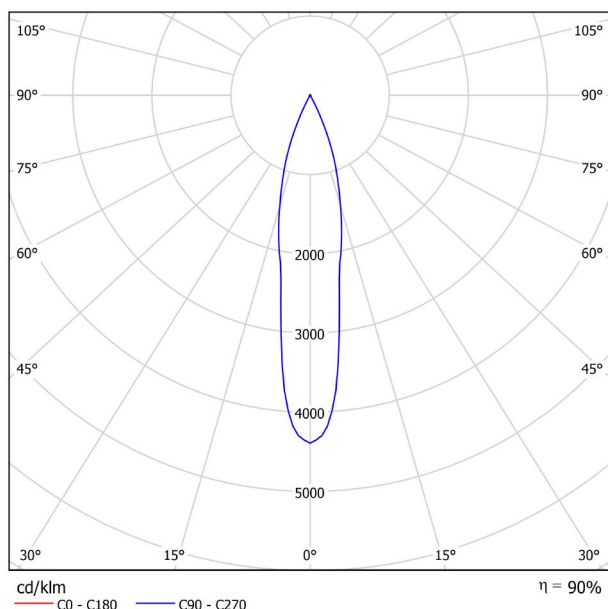


PRODUCT	
Name	BLACK FOSTER SURF 1 SPOT 3000K WTMG
Reference	A3201111WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	210 Lm
Power	2,1 W
Power values of the system	3,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A++
LED lifespan	L80B10 (Tc=85°C) >60.000h
OTHER DATA	
Ingress Protection	IP20
Weight	260 g.
Packaged weight	310 g.
Packaging dimensions	254 × 93 × 70 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

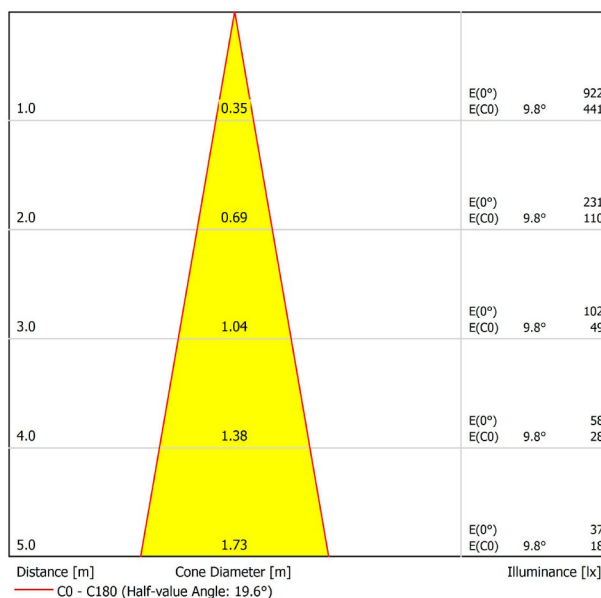


Black Foster Surface is the product that transfers the claimed effect “The Invisible Black” to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	30
ρ Walls		50	30	50	30	30	50	30	50	30	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	-3.1	-2.5	-2.9	-2.3	-2.1	-3.1	-2.5	-2.9	-2.3	-2.1	
	3H	0.8	1.4	1.1	1.6	1.8	0.8	1.4	1.1	1.6	1.8	
	4H	3.2	3.8	3.5	4.0	4.3	3.2	3.8	3.5	4.0	4.3	
	6H	5.0	5.5	5.3	5.7	6.0	5.0	5.5	5.3	5.7	6.0	
	8H	6.2	6.7	6.5	6.9	7.2	6.2	6.7	6.5	6.9	7.2	
4H	12H	7.5	8.0	7.9	8.3	8.6	7.5	8.0	7.9	8.3	8.6	
	2H	-1.5	-0.9	-1.2	-0.7	-0.4	-1.5	-0.9	-1.2	-0.7	-0.4	
	3H	2.3	2.7	2.6	3.0	3.4	2.3	2.7	2.6	3.0	3.4	
	4H	4.7	5.1	5.1	5.4	5.8	4.7	5.1	5.1	5.4	5.8	
	6H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.0	7.3	7.7	
8H	8H	8.0	8.2	8.4	8.6	9.0	8.0	8.2	8.4	8.6	9.0	
	12H	9.4	9.7	9.8	10.0	10.5	9.4	9.7	9.8	10.0	10.5	
	4H	5.4	5.7	5.9	6.1	6.5	5.4	5.7	5.9	6.1	6.5	
	6H	7.6	7.9	8.1	8.3	8.7	7.6	7.9	8.1	8.3	8.7	
	8H	9.2	9.4	9.7	9.8	10.3	9.2	9.4	9.7	9.8	10.3	
12H	12H	10.9	11.0	11.4	11.5	12.0	10.9	11.0	11.4	11.5	12.0	
	4H	5.6	5.9	6.1	6.3	6.7	5.6	5.9	6.1	6.3	6.7	
	6H	8.0	8.2	8.5	8.6	9.1	8.0	8.2	8.5	8.6	9.1	
8H		9.7	9.9	10.2	10.3	10.8	9.7	9.9	10.2	10.3	10.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.2					+0.1 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.6 / -0.5					+0.6 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 210lm Total Luminous Flux												