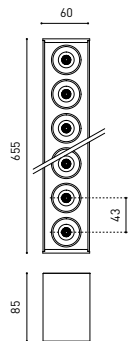




DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 3000K NT
Reference	A3206121NT
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	34,62 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
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

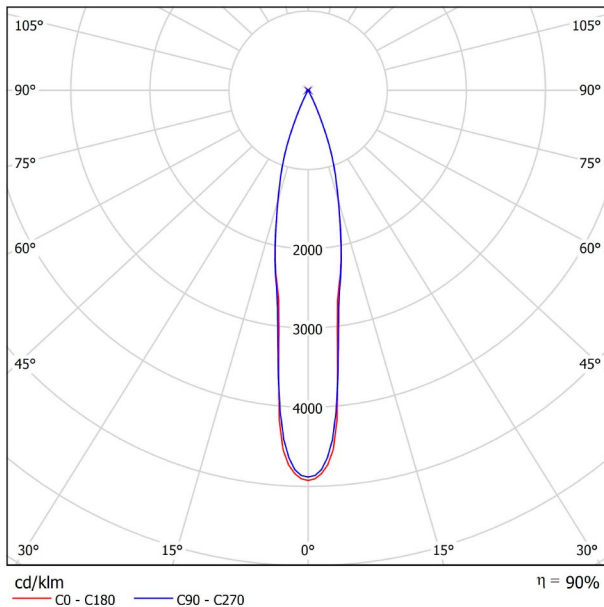
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

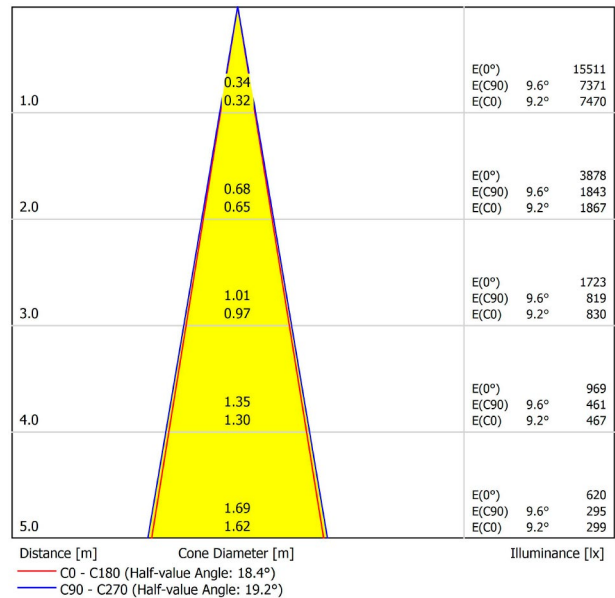


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

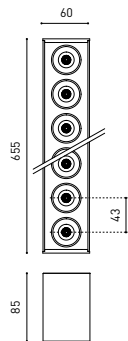


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 3000K NTMG
Reference	A3206121NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

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	MacAdam Step 3
Light beam angle	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

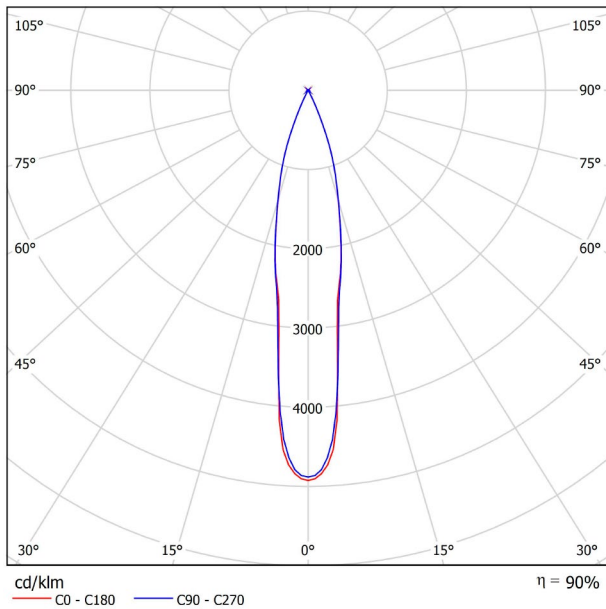
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

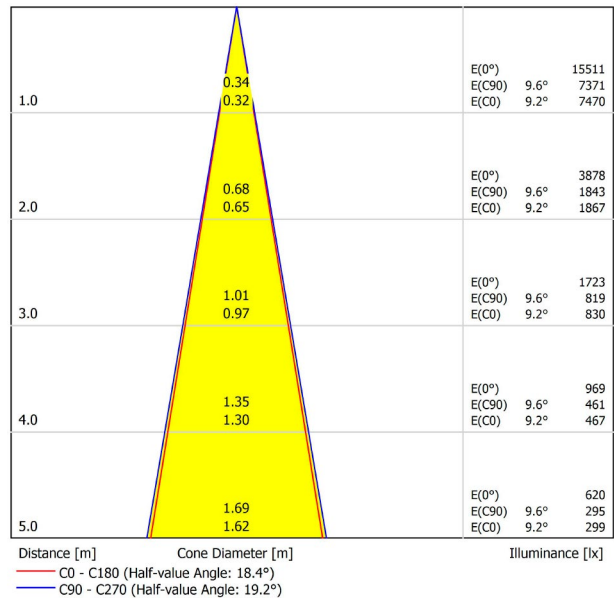


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POLAR DIAGRAM



CONICAL DIAGRAM

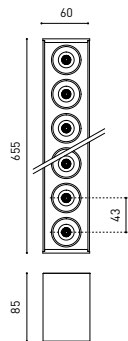


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 3000K WT
Reference	A3206121WT
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	34,62 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
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

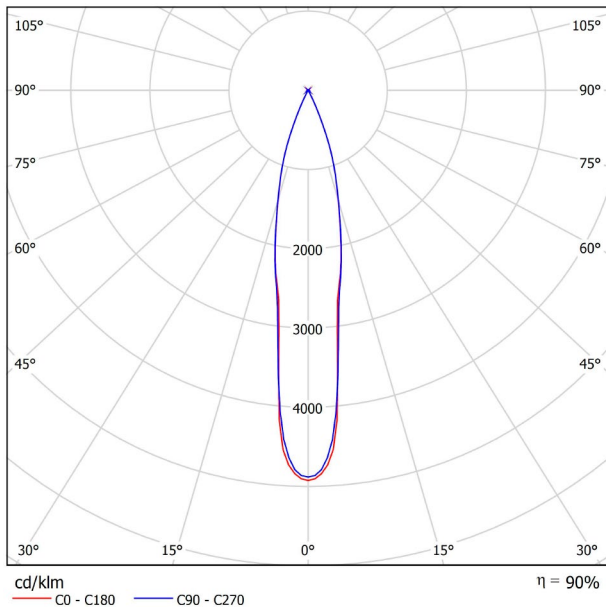
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

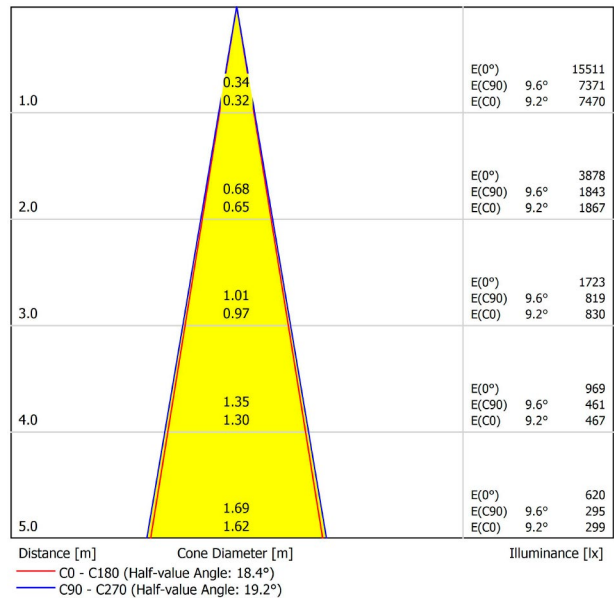


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POLAR DIAGRAM



CONICAL DIAGRAM

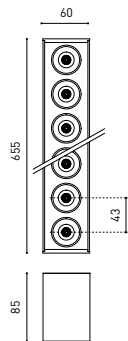


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 3000K WTMG
Reference	A3206121WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

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	MacAdam Step 3
Light beam angle	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

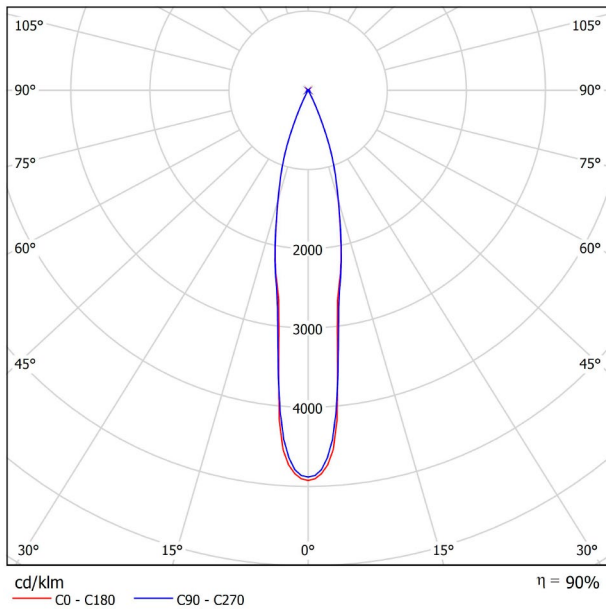
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

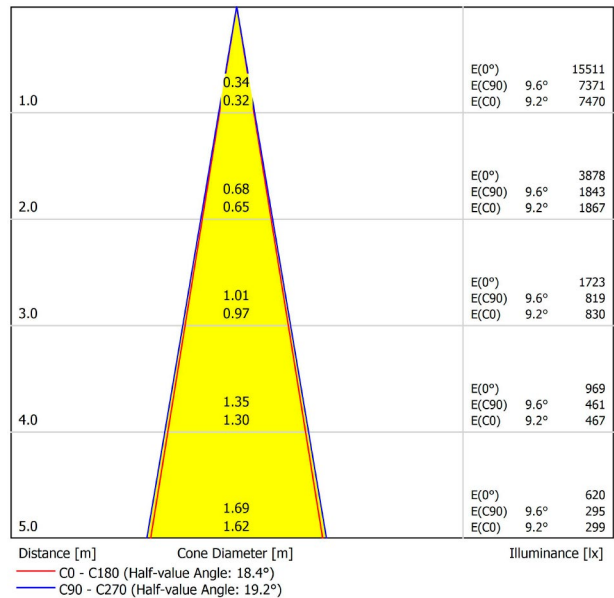


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POLAR DIAGRAM



CONICAL DIAGRAM

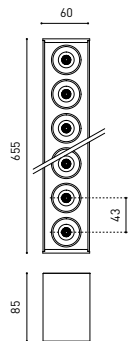


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
4H	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
8H	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
12H	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 4000K NT
Reference	A3206122NT
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	34,62 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
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

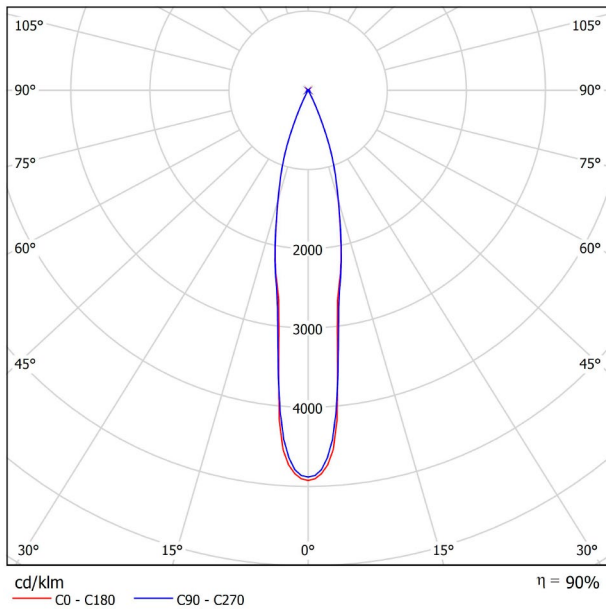
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

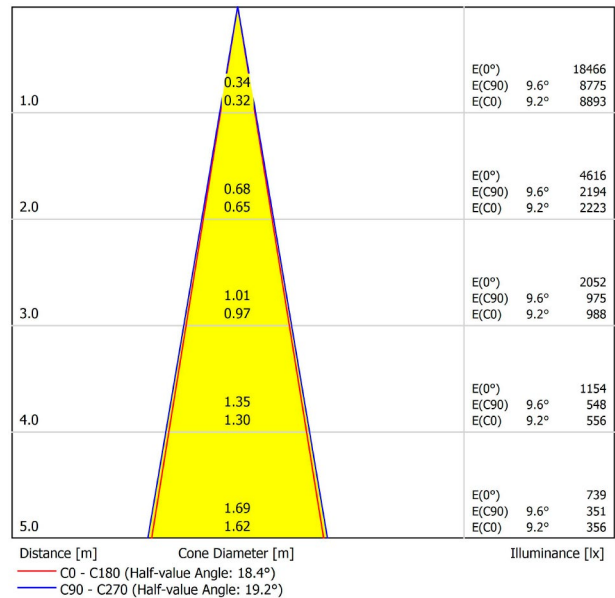


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POLAR DIAGRAM



CONICAL DIAGRAM

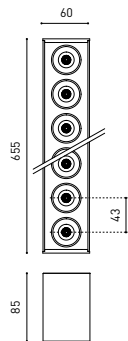


UGR

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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
	12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1	
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 2700K NT
Reference	A3206110NT
Color	Textured black
RAL	9005
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	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

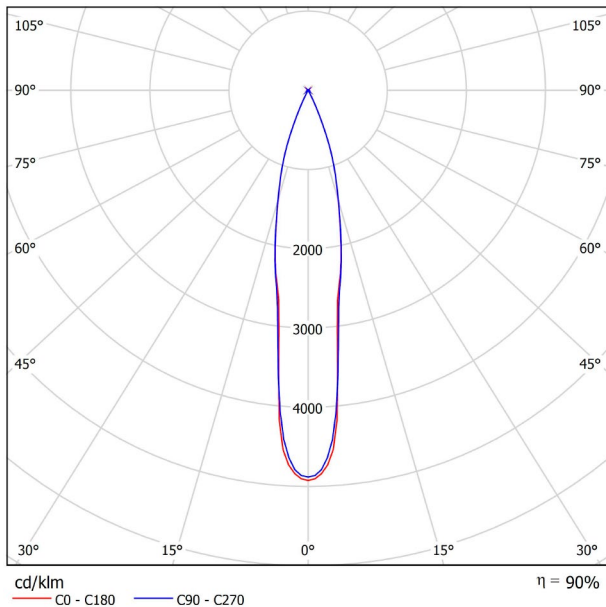
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

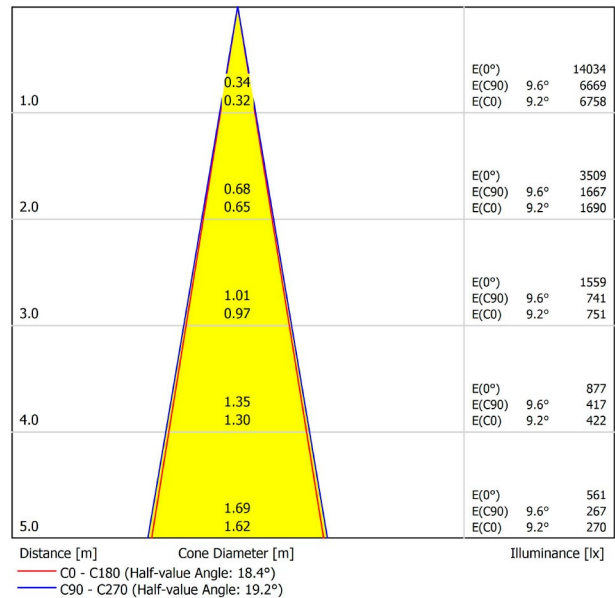


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

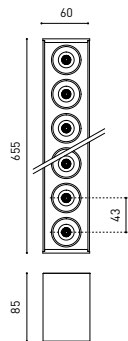


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H	+0.2 / -0.1					+0.2 / -0.1						
S = 1.5H	+0.3 / -0.3					+0.3 / -0.3						
S = 2.0H	+0.5 / -0.5					+0.5 / -0.5						
Standard table	---					---						
Correction	---					---						
Summand												
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS

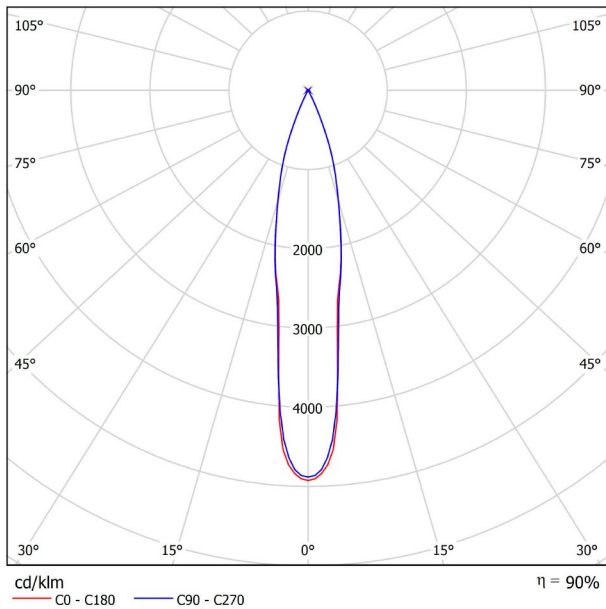


PRODUCT	
Name	BLACK FOSTER SURF 15 SPOT 2700K NTMG
Reference	A3206110NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	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
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

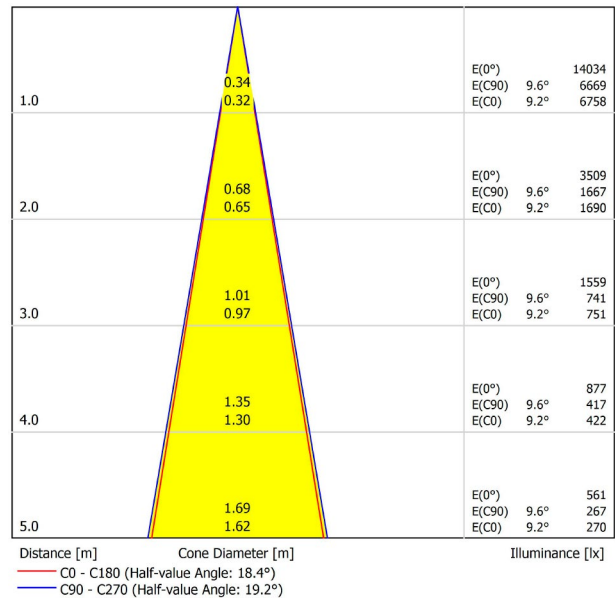


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POLAR DIAGRAM



CONICAL DIAGRAM

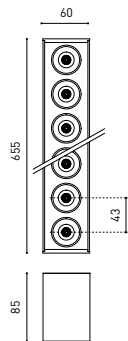


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 2700K WT
Reference	A3206110WT
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	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

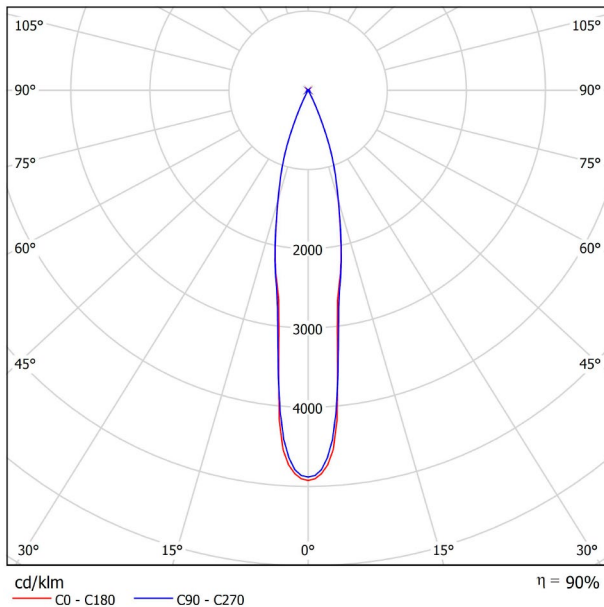
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

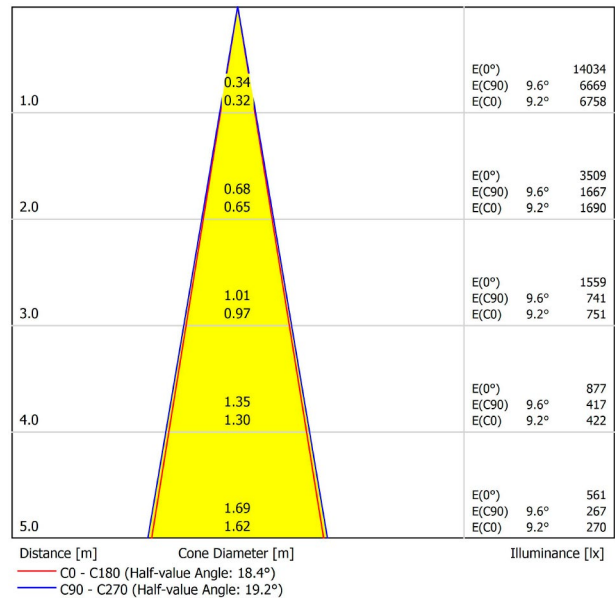


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POLAR DIAGRAM



CONICAL DIAGRAM

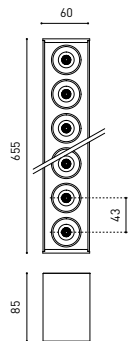


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS

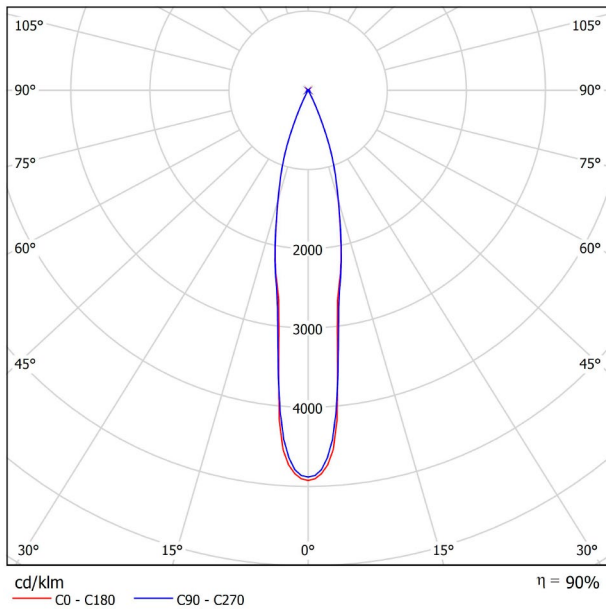


PRODUCT	
Name	BLACK FOSTER SURF 15 SPOT 2700K WTMG
Reference	A3206110WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	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
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

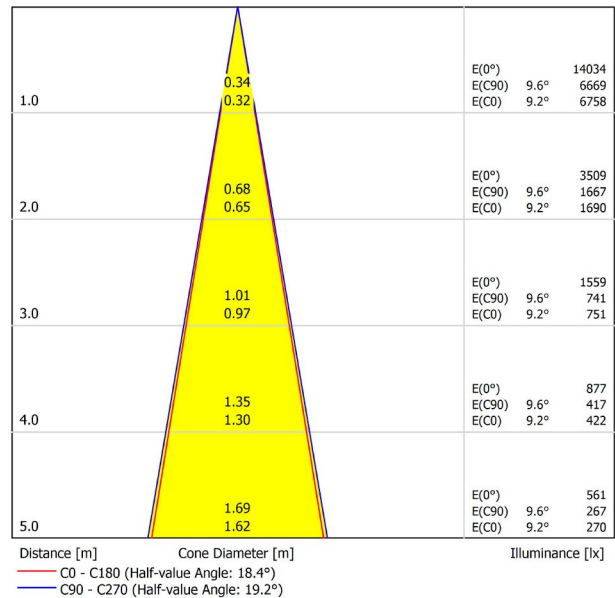


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POLAR DIAGRAM



CONICAL DIAGRAM

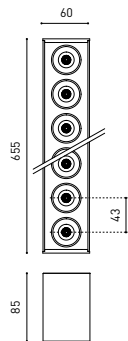


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 3000K NT
Reference	A3206111NT
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	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

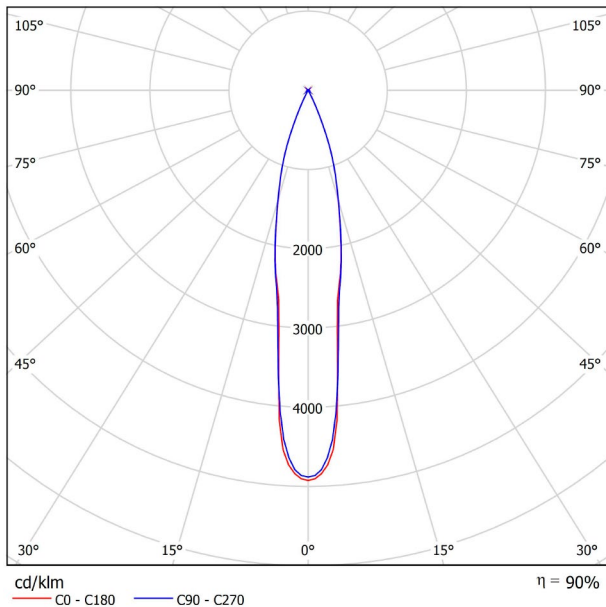
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

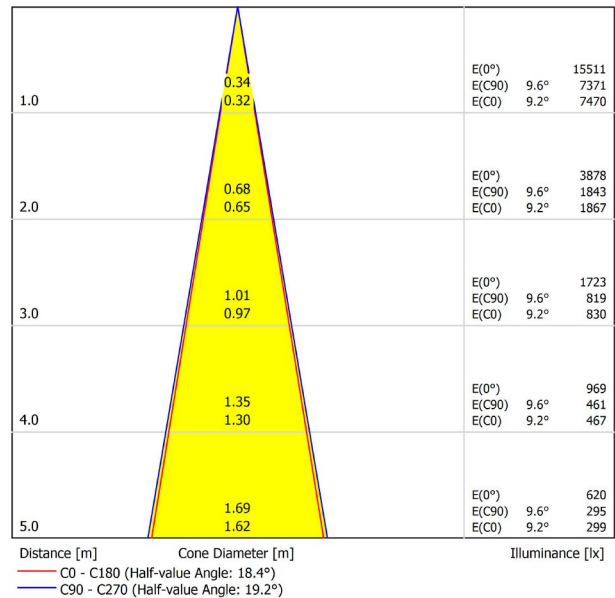


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

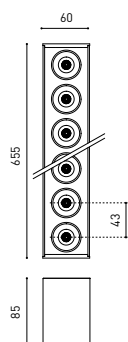


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8		
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5		
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 3000K NTMG
Reference	A3206111NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

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	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

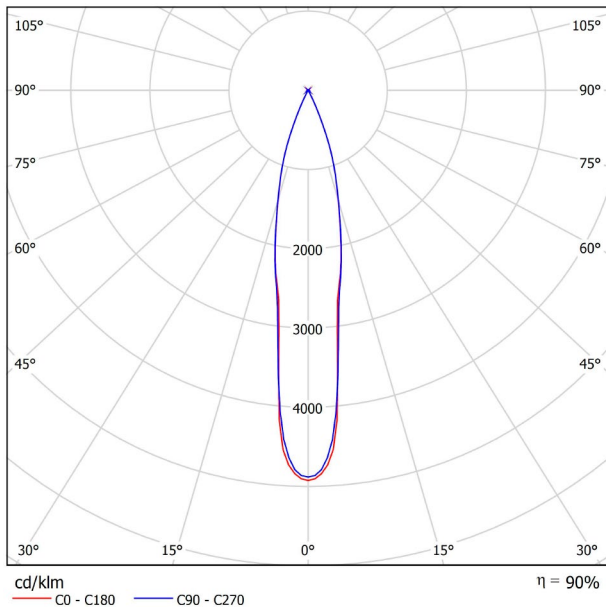
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

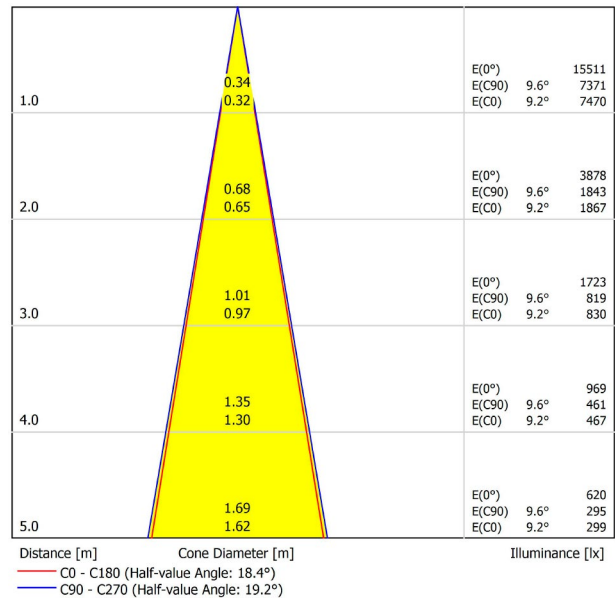


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

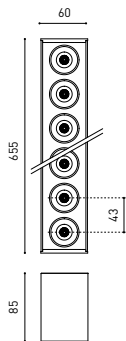


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
4H	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
8H	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
12H	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS

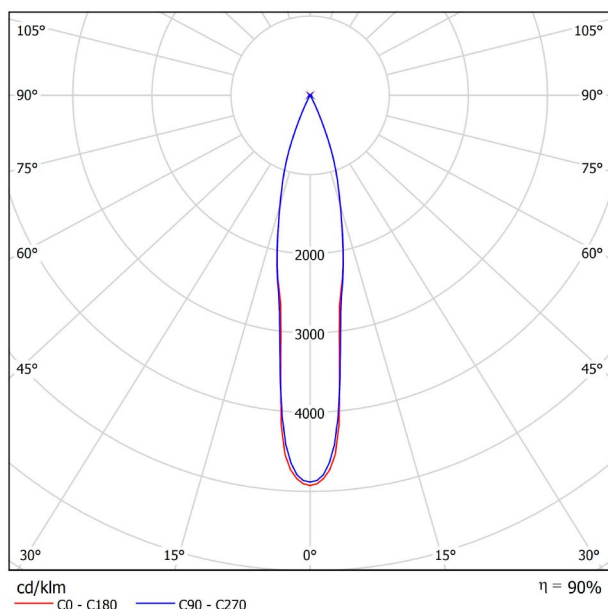


PRODUCT	
Name	BLACK FOSTER SURF 15 SPOT 3000K WT
Reference	A3206111WT
Color	Textured white
RAL	9016
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	35,80 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	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	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 x 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

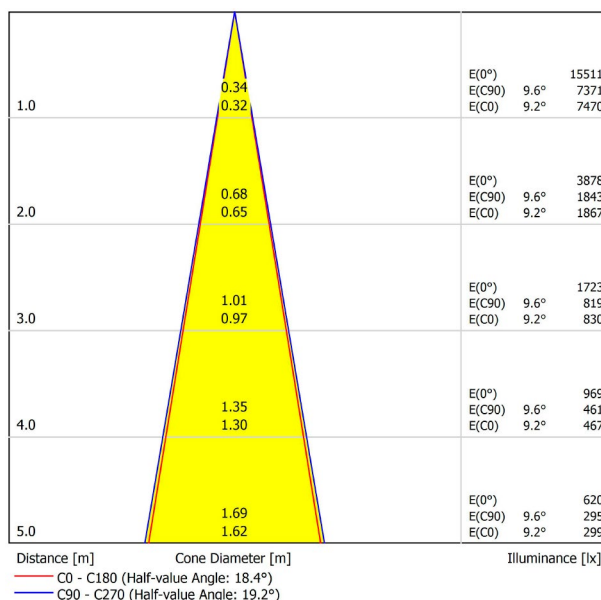


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

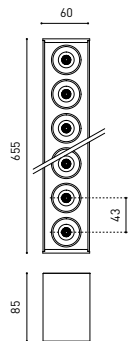


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 3000K WTMG
Reference	A3206111WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

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	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

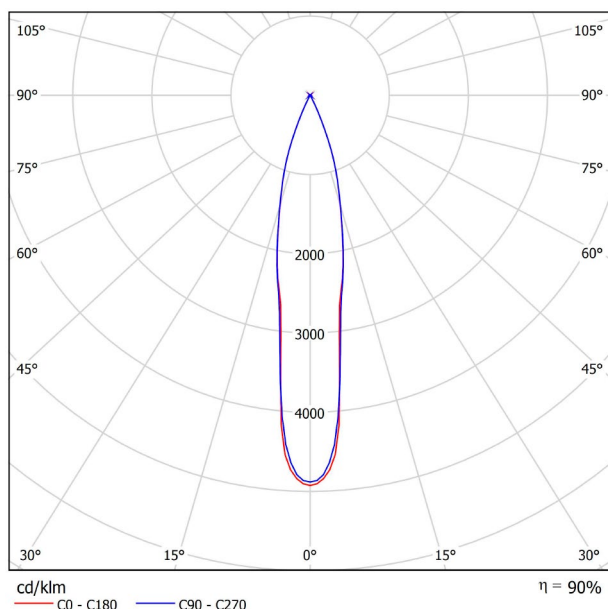
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 x 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

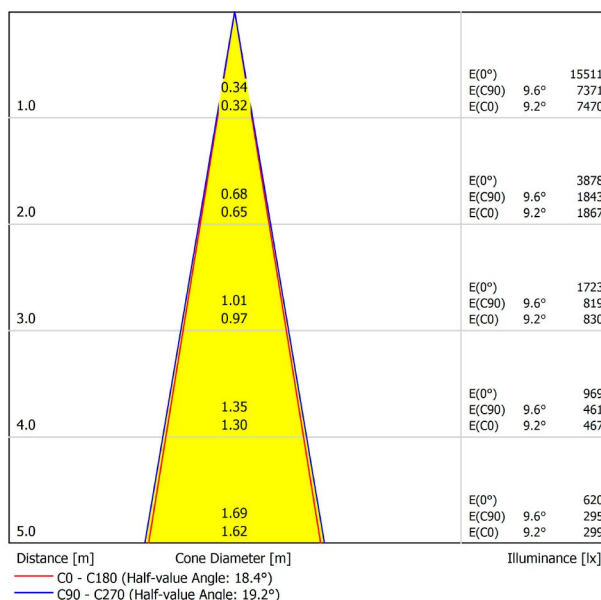


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POLAR DIAGRAM



CONICAL DIAGRAM

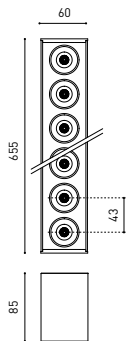


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 4000K NT
Reference	A3206112NT
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	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

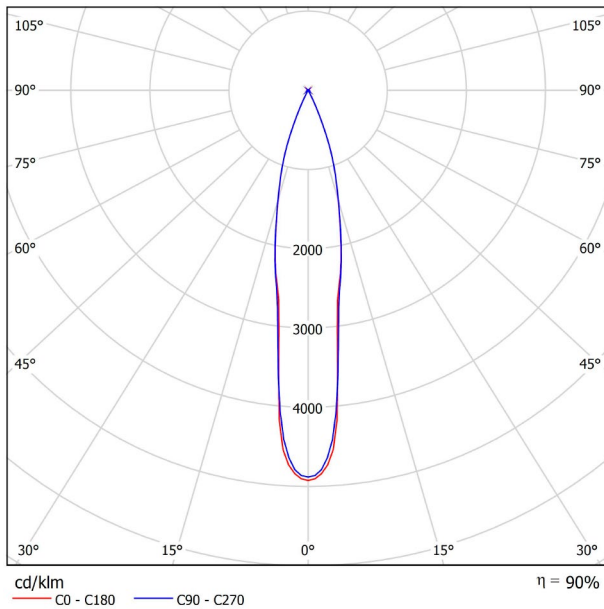
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

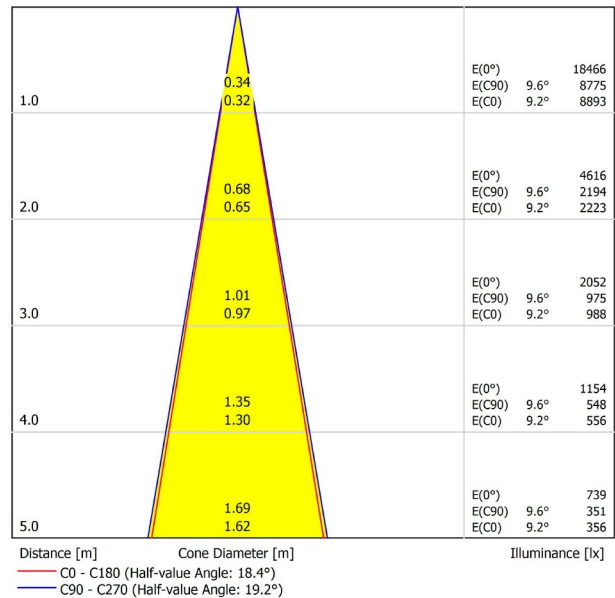


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POLAR DIAGRAM



CONICAL DIAGRAM

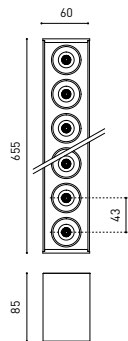


UGR

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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
	12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1	
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 4000K NTMG
Reference	A3206112NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
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	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

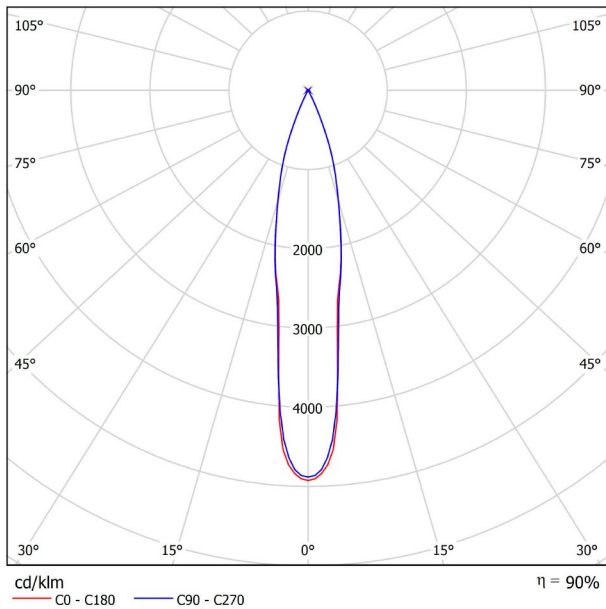
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

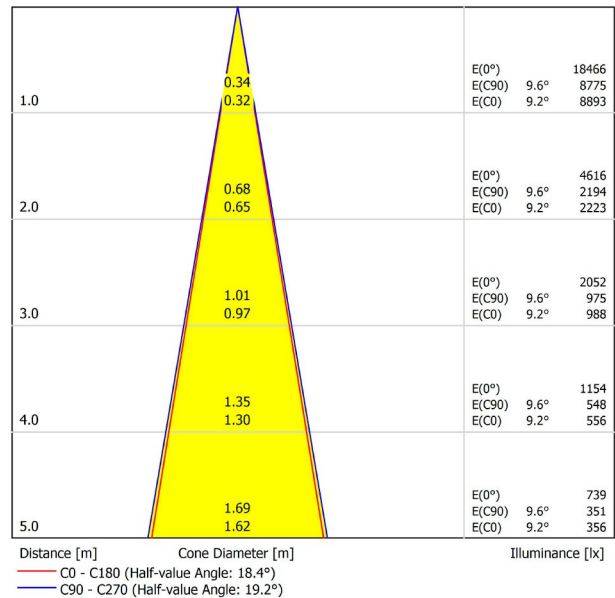


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

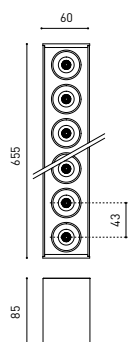


UGR

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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4		
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1		
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT 4000K WT
Reference	A3206112WT
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	35,80 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

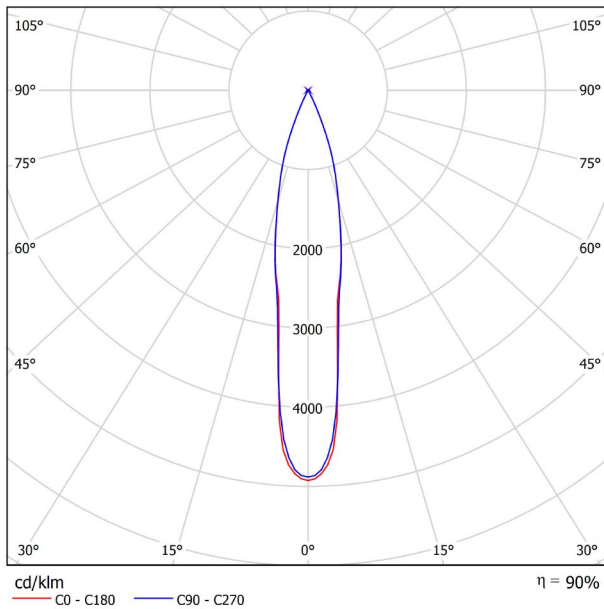
Ingress Protection	IP20
Weight	1900 g.
Packaged weight	2750 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

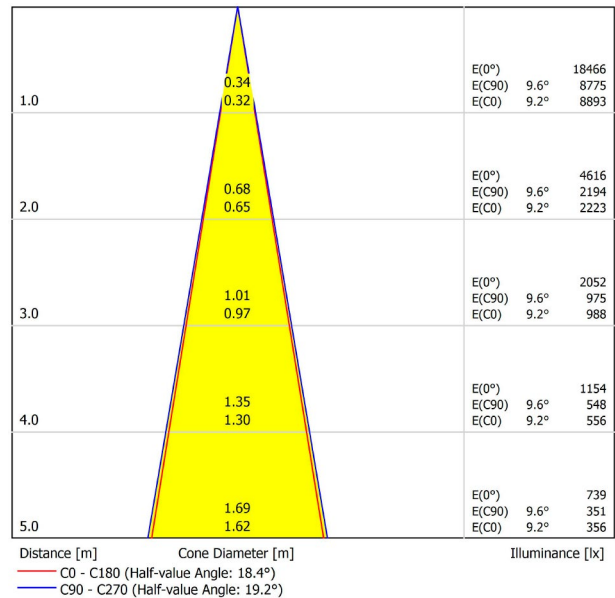


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POLAR DIAGRAM



CONICAL DIAGRAM

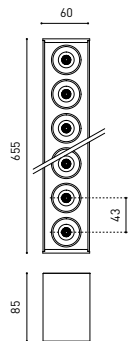


UGR

Glare Evaluation According to UGR												
ρ Ceiling			70	70	50	50	30	70	70	50	50	30
ρ Walls			50	30	50	50	30	30	50	30	50	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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4		
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1		
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5		
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1						+0.2 / -0.1				
S = 1.5H		+0.3 / -0.3						+0.3 / -0.3				
S = 2.0H		+0.5 / -0.5						+0.5 / -0.5				
Standard table		---						---				
Correction		---						---				
Summand		---						---				
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS

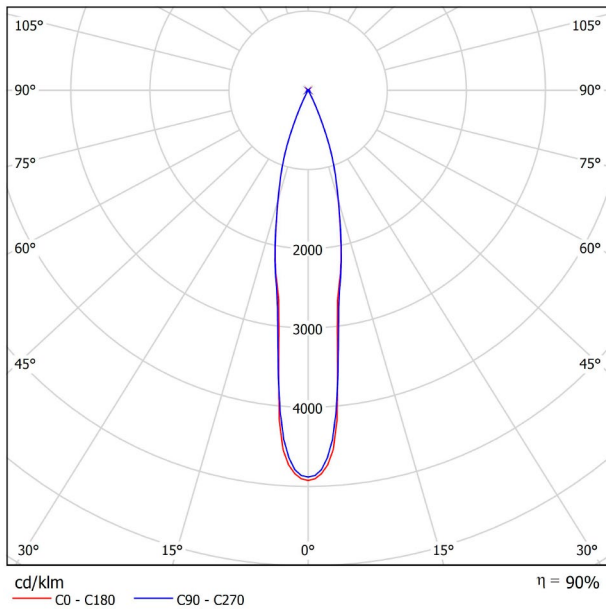


PRODUCT	
Name	BLACK FOSTER SURF 15 SPOT 4000K WTMG
Reference	A3206112WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,62 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	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
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

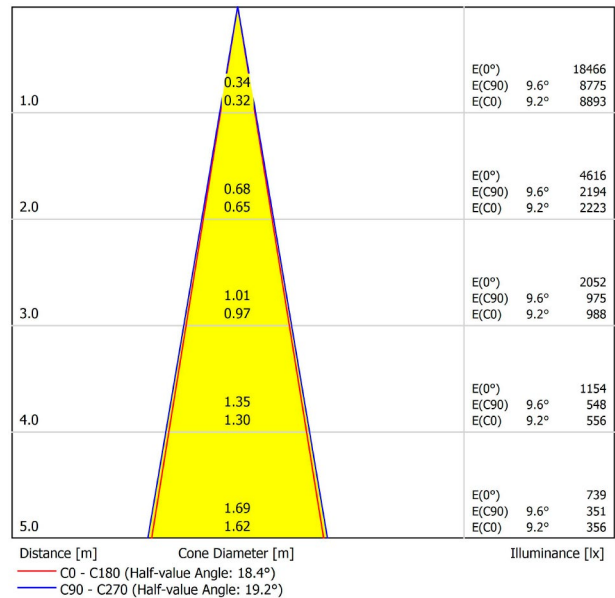


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POLAR DIAGRAM



CONICAL DIAGRAM

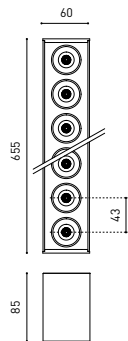


UGR

Glare Evaluation According to UGR												
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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
	12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1	
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 2700K NT
Reference	A3206120NT
Color	Textured black
RAL	9005
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	MacAdam Step 3
Light beam angle	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

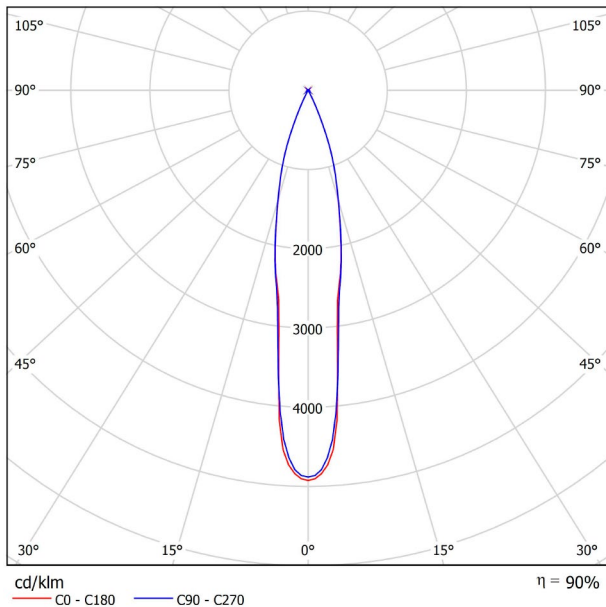
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

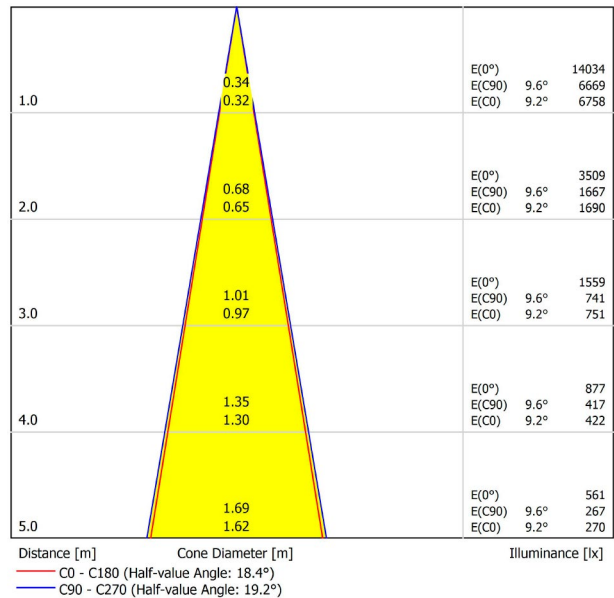


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POLAR DIAGRAM



CONICAL DIAGRAM

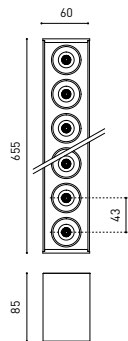


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 2700K NTMG
Reference	A3206120NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
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	MacAdam Step 3
Light beam angle	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

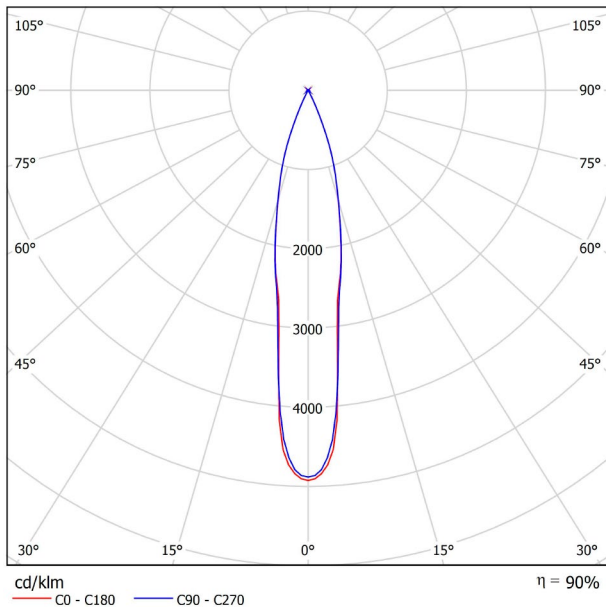
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

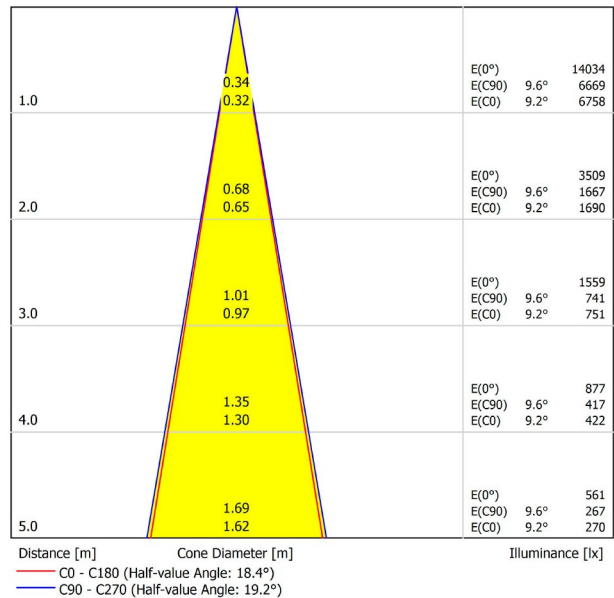


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

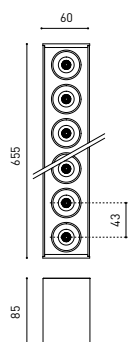


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



DESIGN
AWARD
2019



INTERIOR
DESIGN

Name	BLACK FOSTER SURF 15 SPOT DIM DALI 2700K WT
Reference	A3206120WT
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	MacAdam Step 3
Light beam angle	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

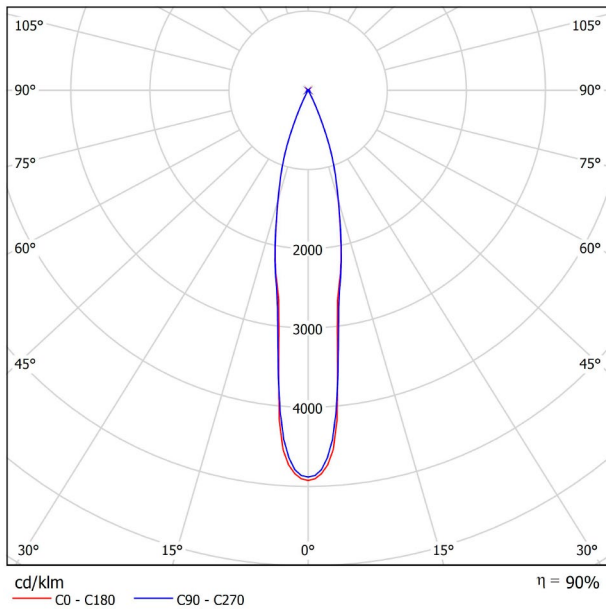
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

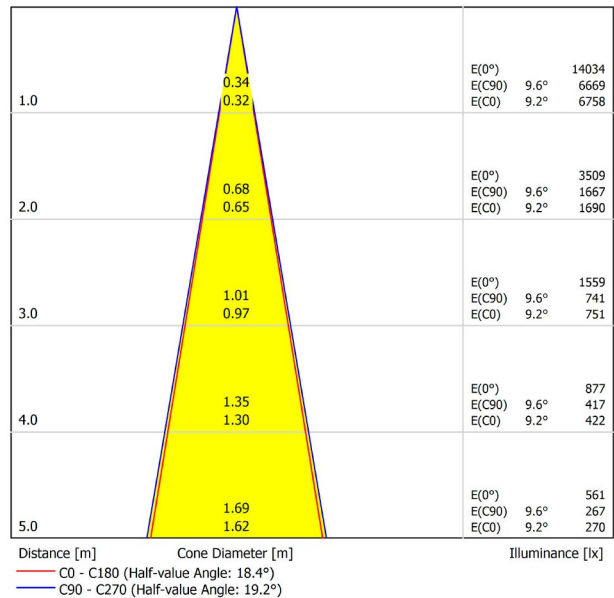


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POLAR DIAGRAM



CONICAL DIAGRAM

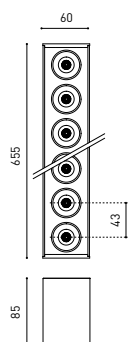


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 2700K WTMG
Reference	A3206120WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
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	MacAdam Step 3
Light beam angle	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

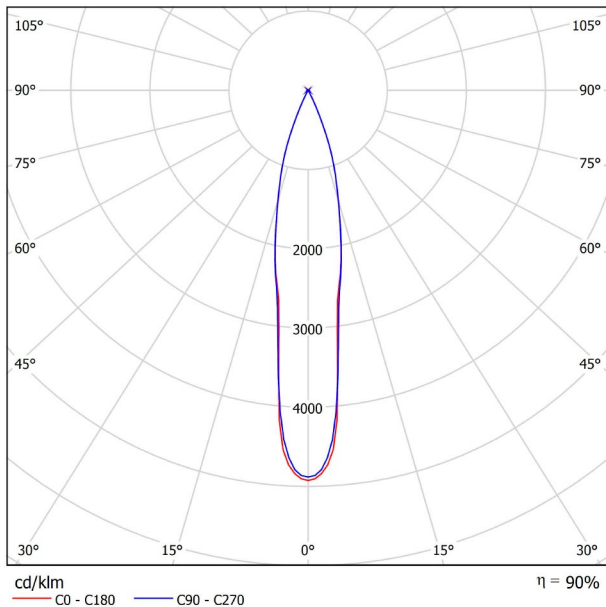
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

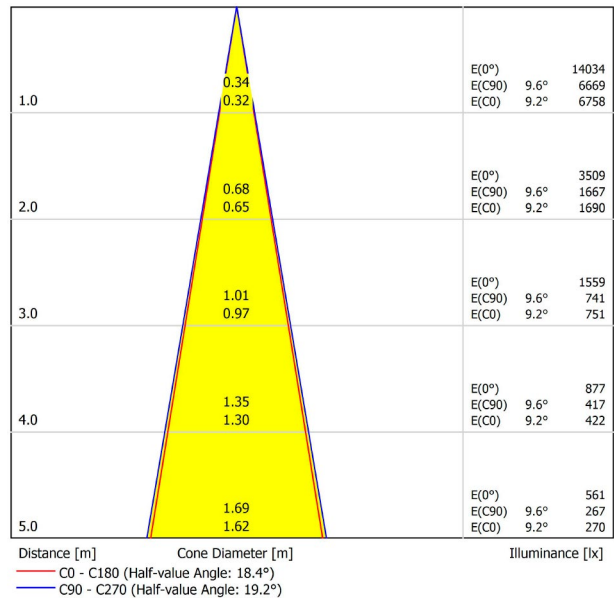


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POLAR DIAGRAM



CONICAL DIAGRAM

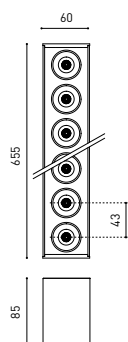


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 2700K WT
Reference	A3206130WT
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	MacAdam Step 3
Light beam angle	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

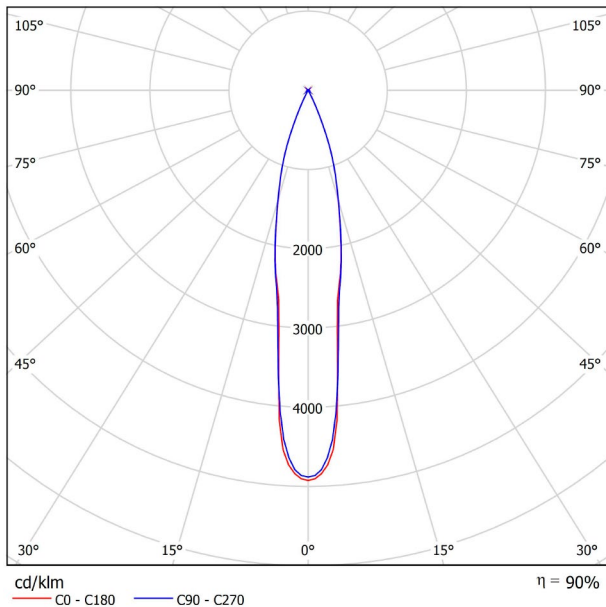
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

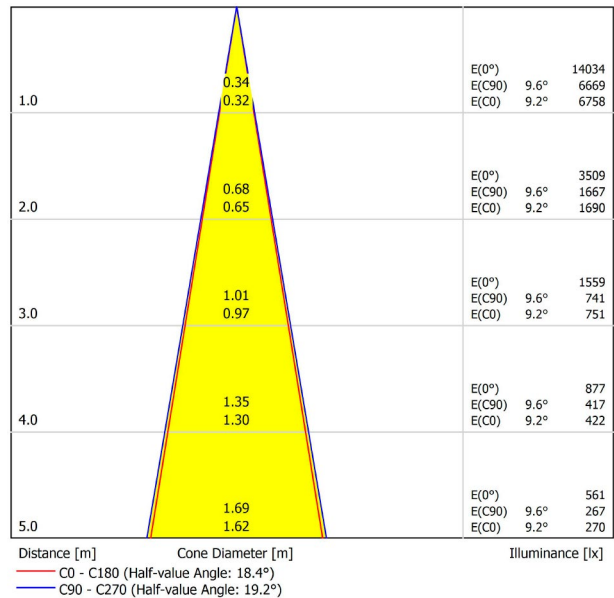


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POLAR DIAGRAM



CONICAL DIAGRAM

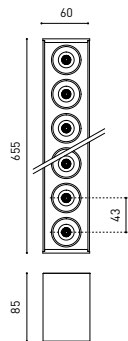


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 2700K WTMG
Reference	A3206130WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
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	MacAdam Step 3
Light beam angle	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

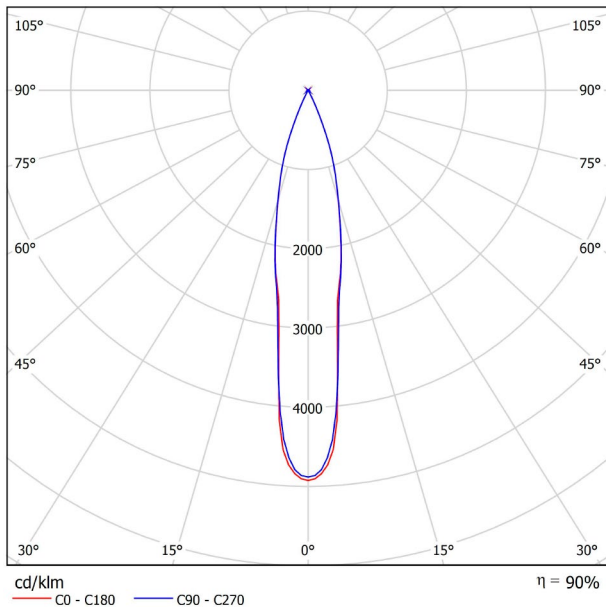
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

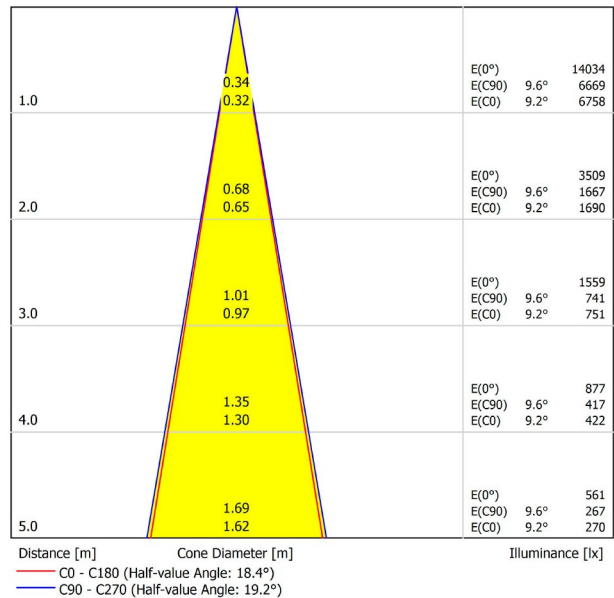


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POLAR DIAGRAM



CONICAL DIAGRAM

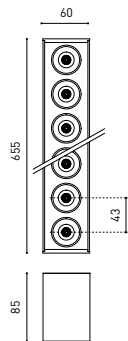


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 3000K NT
Reference	A3206131NT
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	34,62 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
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

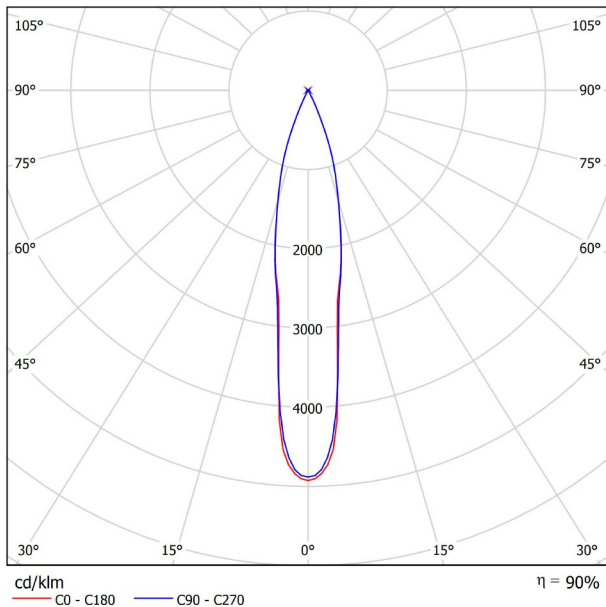
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

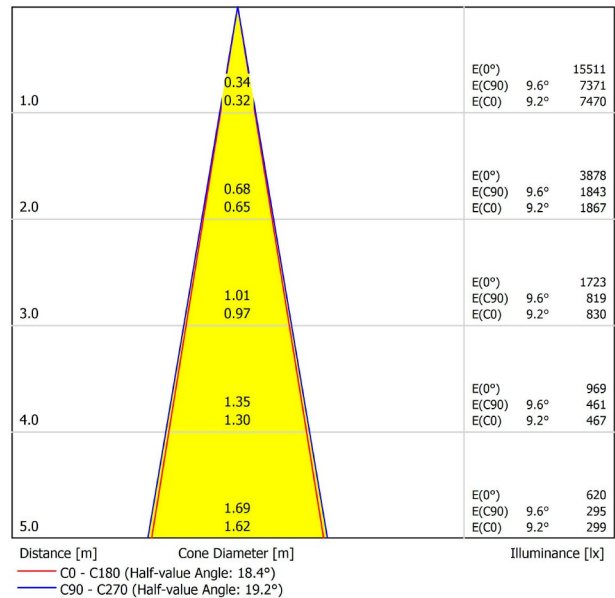


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

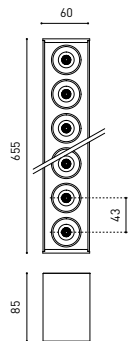


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 3000K NTMG
Reference	A3206131NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

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	MacAdam Step 3
Light beam angle	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

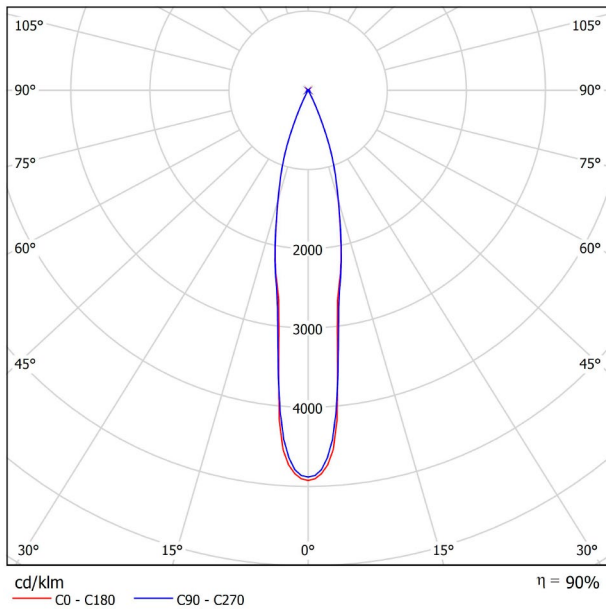
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

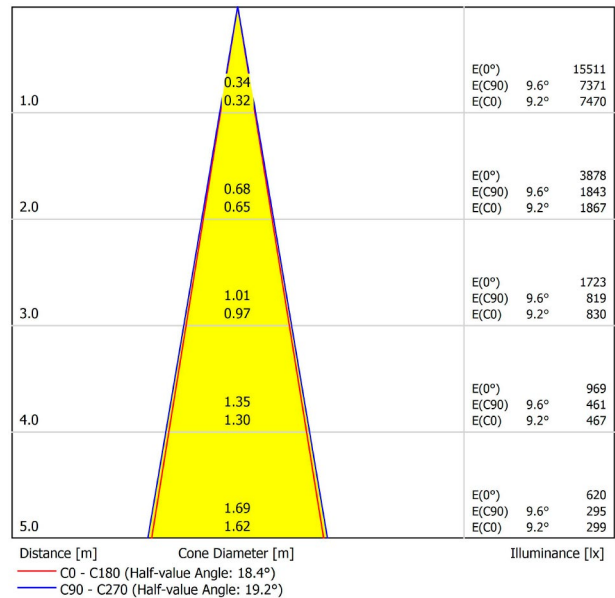


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POLAR DIAGRAM



CONICAL DIAGRAM

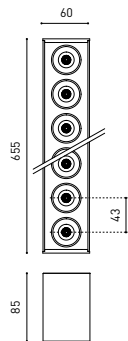


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
4H	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
8H	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
12H	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 3000K WT
Reference	A3206131WT
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	34,62 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
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

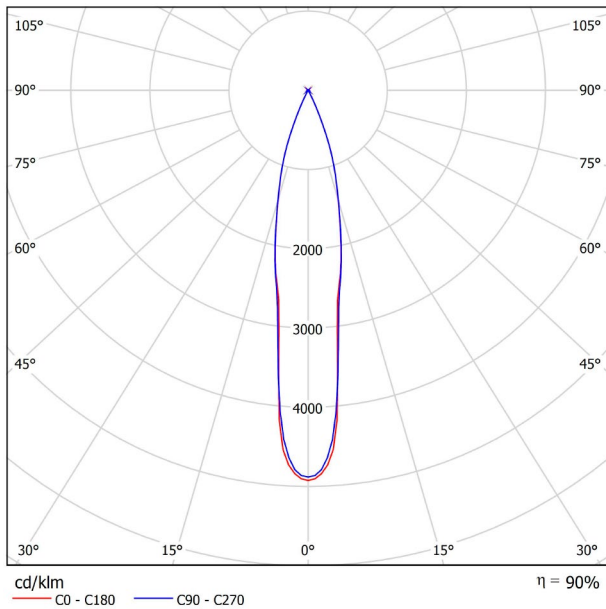
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

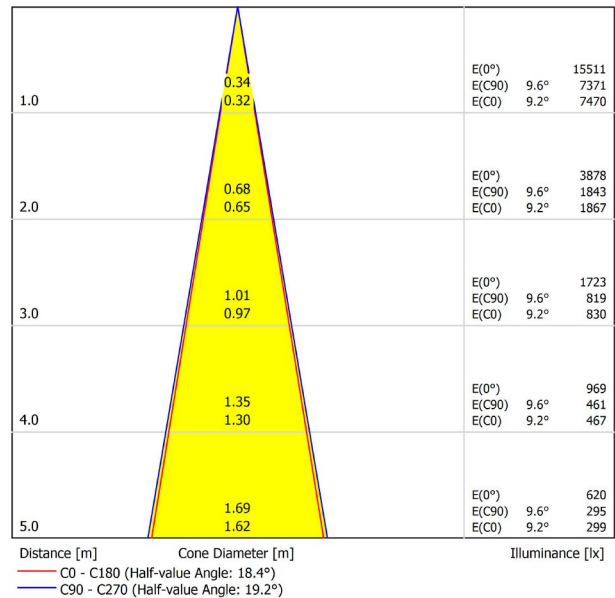


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POLAR DIAGRAM



CONICAL DIAGRAM

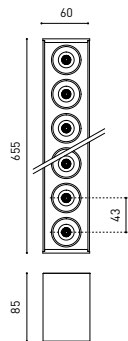


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 3000K WTMG
Reference	A3206131WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
Category	SURFACE

PRODUCT

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	MacAdam Step 3
Light beam angle	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

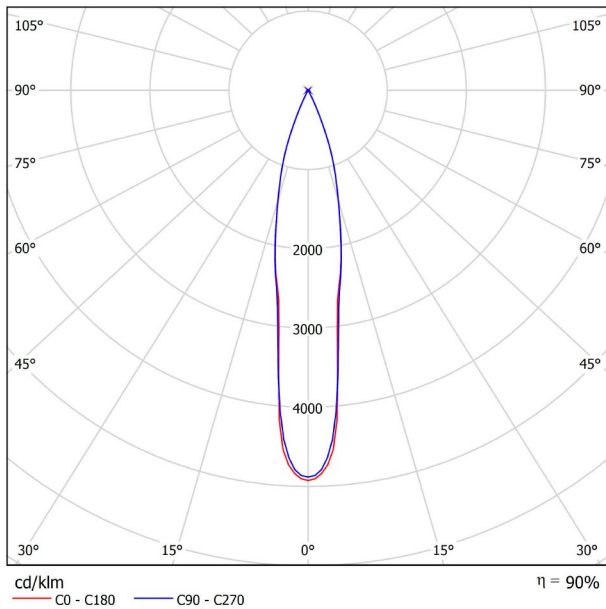
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

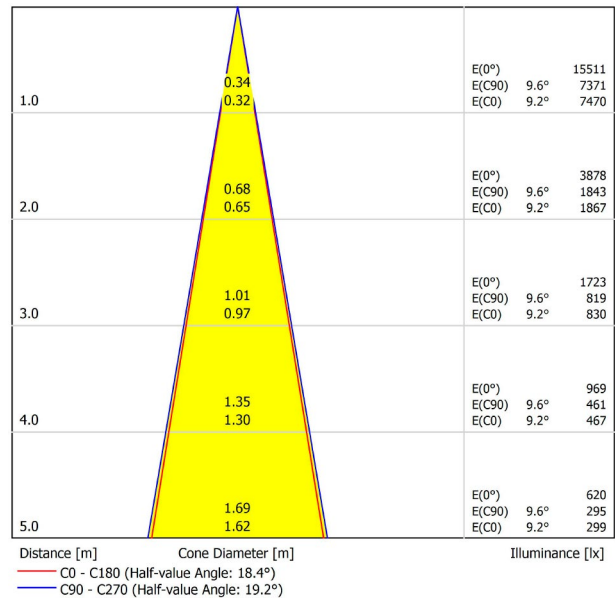


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POLAR DIAGRAM



CONICAL DIAGRAM

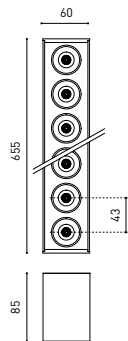


UGR

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	2.1	2.8	2.4	3.0	3.2	3.0	3.7	3.2	3.8	4.0	
	3H	5.6	6.2	5.9	6.5	6.7	6.9	7.5	7.2	7.7	8.0	
	4H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	9.8	
	6H	9.8	10.4	10.2	10.6	10.9	11.0	11.5	11.3	11.8	12.1	
	8H	11.0	11.5	11.3	11.8	12.1	12.2	12.8	12.6	13.0	13.3	
	12H	12.4	12.9	12.7	13.2	13.5	13.7	14.2	14.0	14.5	14.8	
4H	2H	3.5	4.1	3.8	4.3	4.6	4.1	4.6	4.4	4.9	5.2	
	3H	7.2	7.7	7.6	8.0	8.3	8.1	8.6	8.4	8.9	9.2	
	4H	9.3	9.7	9.7	10.1	10.4	10.1	10.5	10.5	10.9	11.2	
	6H	11.6	12.0	12.0	12.3	12.7	12.6	12.9	13.0	13.3	13.6	
	8H	12.8	13.1	13.2	13.5	13.9	13.9	14.2	14.3	14.6	15.0	
	12H	14.3	14.6	14.7	15.0	15.4	15.4	15.7	15.9	16.1	16.5	
8H	4H	10.3	10.6	10.7	11.0	11.4	10.9	11.2	11.3	11.6	12.0	
	6H	12.7	13.0	13.2	13.4	13.8	13.5	13.8	14.0	14.2	14.6	
	8H	14.2	14.4	14.6	14.8	15.3	15.1	15.2	15.5	15.7	16.2	
	12H	15.8	16.0	16.3	16.4	16.9	16.8	17.0	17.3	17.4	17.9	
12H	4H	10.6	10.8	11.0	11.2	11.6	11.1	11.4	11.5	11.8	12.2	
	6H	13.1	13.3	13.6	13.7	14.2	13.8	14.0	14.3	14.4	14.9	
	8H	14.7	14.8	15.1	15.3	15.8	15.4	15.6	15.9	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 3150lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 4000K NT
Reference	A3206132NT
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	34,62 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
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

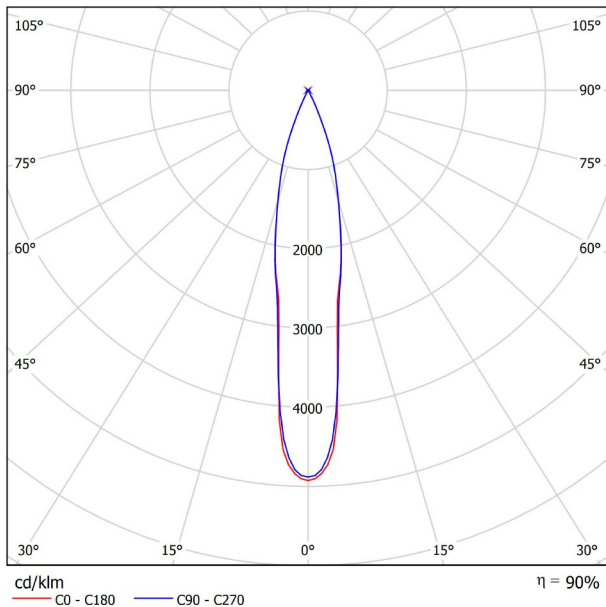
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

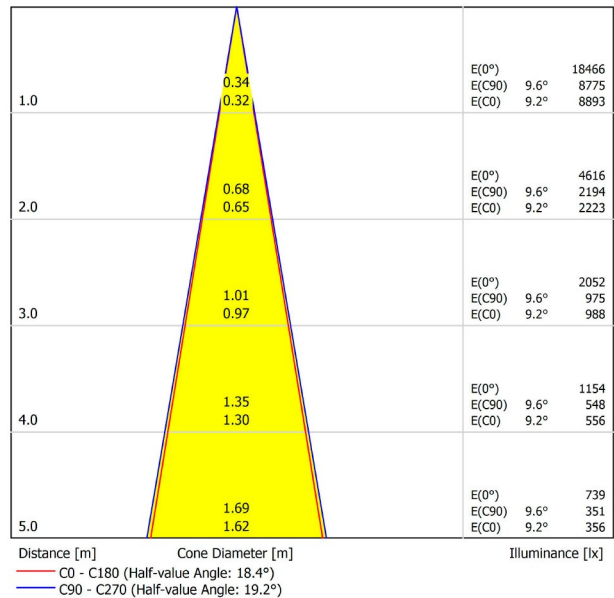


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

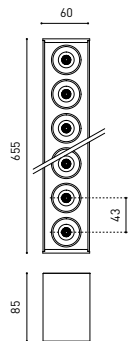


UGR

Glare Evaluation According to UGR												
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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4		
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1		
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 4000K NTMG
Reference	A3206132NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
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	MacAdam Step 3
Light beam angle	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

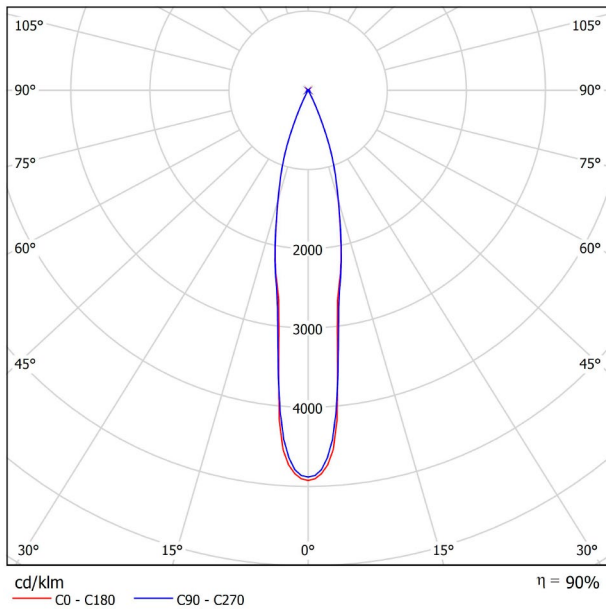
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

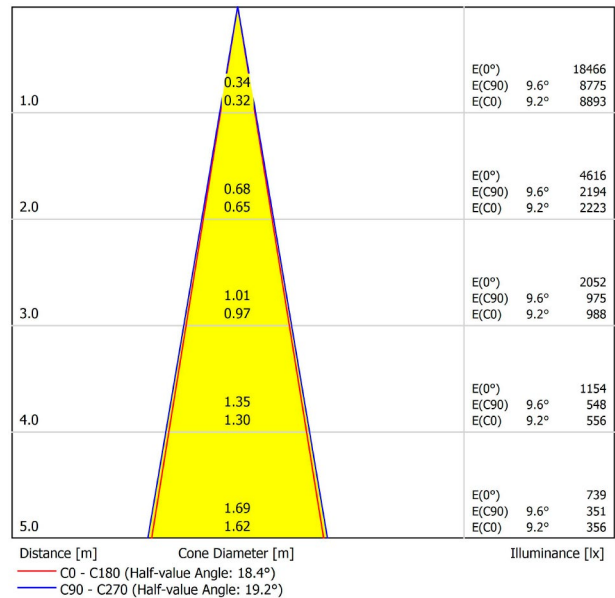


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

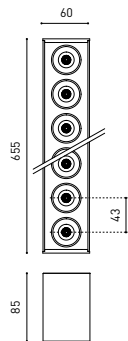


UGR

Glare Evaluation According to UGR												
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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
	12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1	
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 4000K WT
Reference	A3206132WT
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	MacAdam Step 3
Light beam angle	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

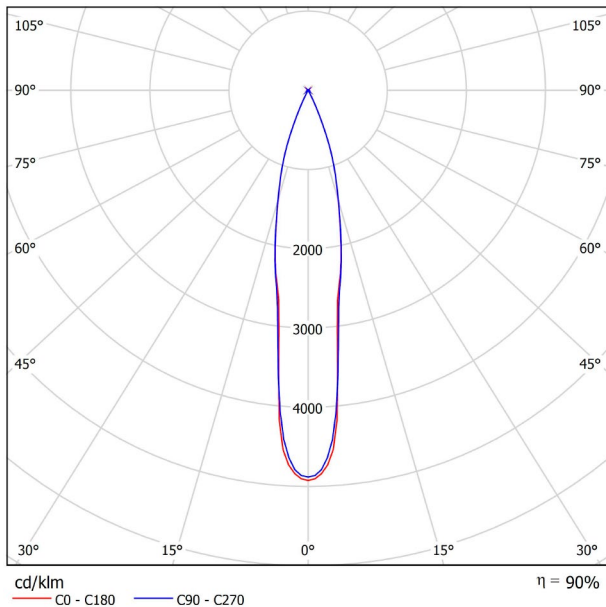
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

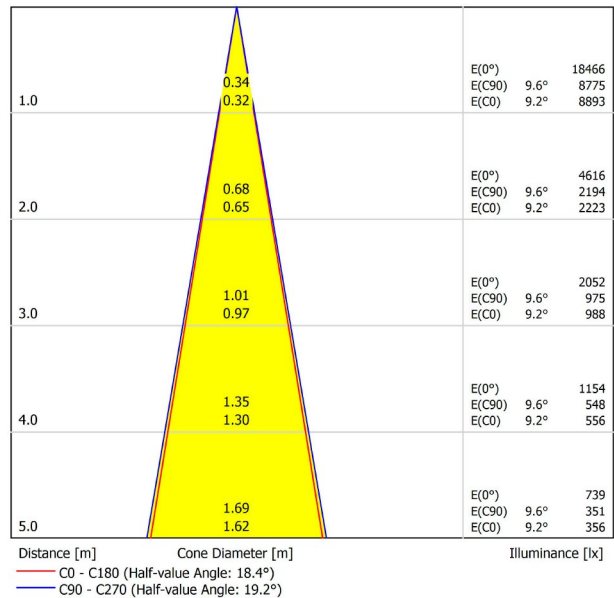


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POLAR DIAGRAM



CONICAL DIAGRAM

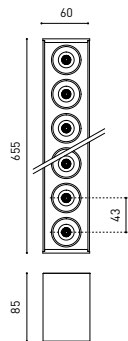


UGR

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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
	12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1	
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 4000K WTMG
Reference	A3206132WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
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	MacAdam Step 3
Light beam angle	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

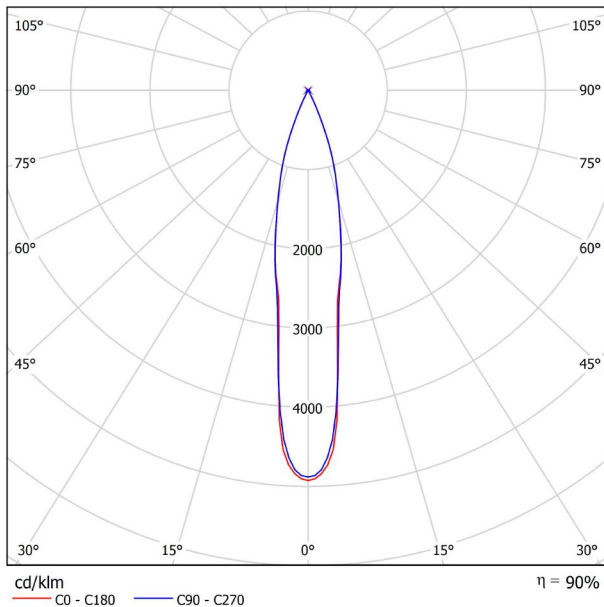
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

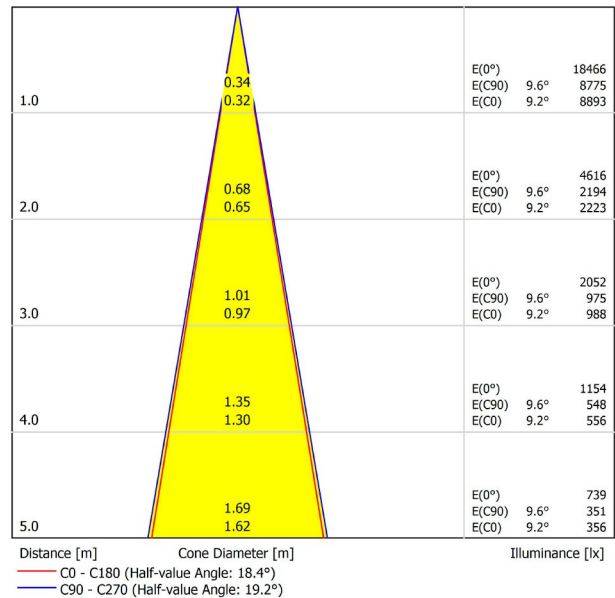


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POLAR DIAGRAM



CONICAL DIAGRAM

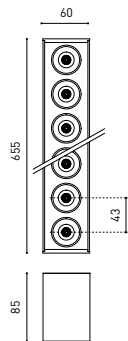


UGR

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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
	12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1	
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 4000K WT
Reference	A3206122WT
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	MacAdam Step 3
Light beam angle	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

LIGHTING INFORMATION

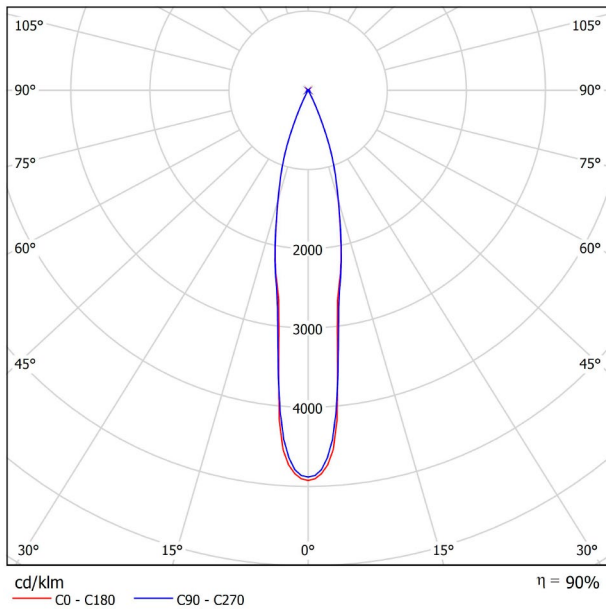
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

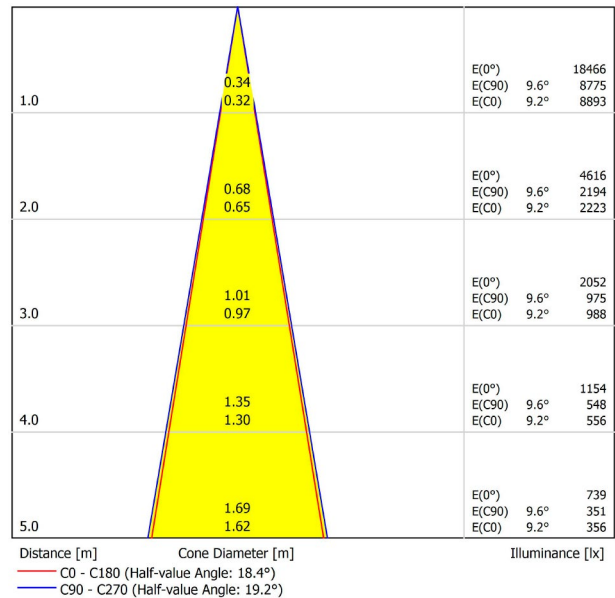


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POLAR DIAGRAM



CONICAL DIAGRAM

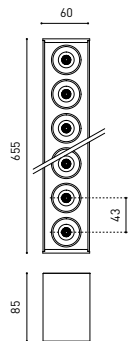


UGR

Glare Evaluation According to UGR												
ρ Ceiling			70	70	50	50	30	70	70	50	50	30
ρ Walls			50	30	50	50	30	30	50	30	50	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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4		
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1		
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5		
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1						+0.2 / -0.1				
S = 1.5H		+0.3 / -0.3						+0.3 / -0.3				
S = 2.0H		+0.5 / -0.5						+0.5 / -0.5				
Standard table		---						---				
Correction		---						---				
Summand		---						---				
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM DALI 4000K WTMG
Reference	A3206122WTMG
Color	Textured white-Metallized gold
RAL	Metallic finish
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	MacAdam Step 3
Light beam angle	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

LIGHTING INFORMATION

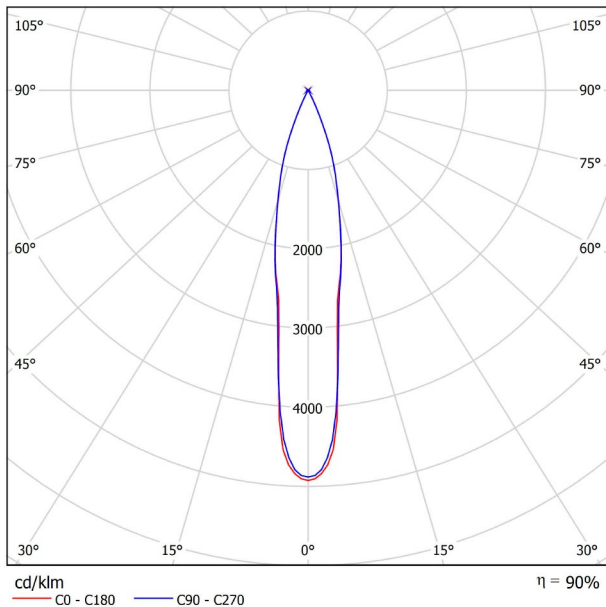
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

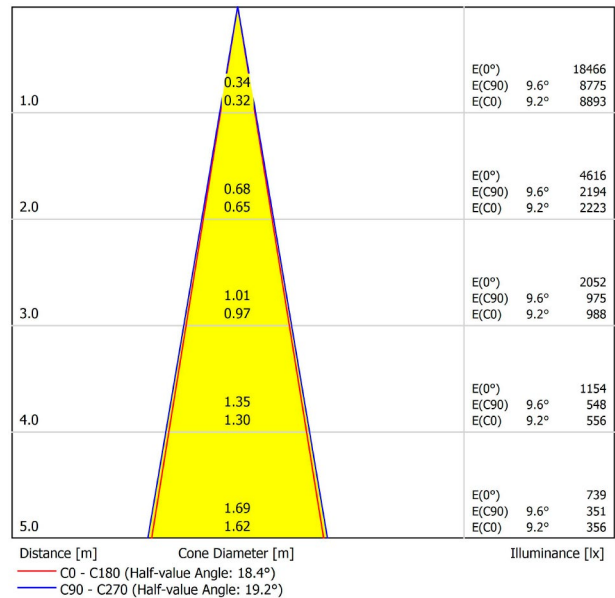


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM

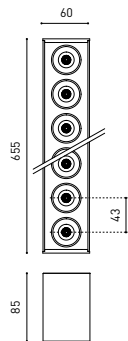


UGR

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	2.8	3.4	3.0	3.6	3.8	3.6	4.3	3.8	4.5	4.6	
	3H	6.2	6.9	6.5	7.1	7.3	7.5	8.1	7.8	8.3	8.6	
	4H	8.2	8.8	8.5	9.0	9.3	9.3	9.9	9.6	10.2	10.4	
	6H	10.4	11.0	10.8	11.3	11.5	11.6	12.2	11.9	12.4	12.7	
	8H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.2	13.7	13.9	
	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
4H	2H	4.1	4.7	4.4	4.9	5.2	4.7	5.3	5.0	5.5	5.8	
	3H	7.8	8.3	8.2	8.6	8.9	8.7	9.2	9.1	9.5	9.8	
	4H	9.9	10.3	10.3	10.7	11.0	10.7	11.2	11.1	11.5	11.8	
	6H	12.2	12.6	12.6	12.9	13.3	13.2	13.5	13.6	13.9	14.3	
	8H	13.4	13.7	13.8	14.1	14.5	14.5	14.8	14.9	15.2	15.6	
	12H	14.9	15.2	15.3	15.6	16.0	16.0	16.3	16.5	16.7	17.1	
8H	4H	10.9	11.2	11.3	11.6	12.0	11.5	11.8	11.9	12.2	12.6	
	6H	13.3	13.6	13.8	14.0	14.4	14.1	14.4	14.6	14.8	15.2	
	8H	14.8	15.0	15.2	15.4	15.9	15.7	15.9	16.1	16.3	16.8	
	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
12H	4H	11.2	11.4	11.6	11.8	12.3	11.7	12.0	12.1	12.4	12.8	
	6H	13.7	13.9	14.2	14.4	14.8	14.4	14.6	14.9	15.0	15.5	
	8H	15.3	15.4	15.7	15.9	16.4	16.0	16.2	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 3750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 2700K NT
Reference	A3206130NT
Color	Textured black
RAL	9005
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	MacAdam Step 3
Light beam angle	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

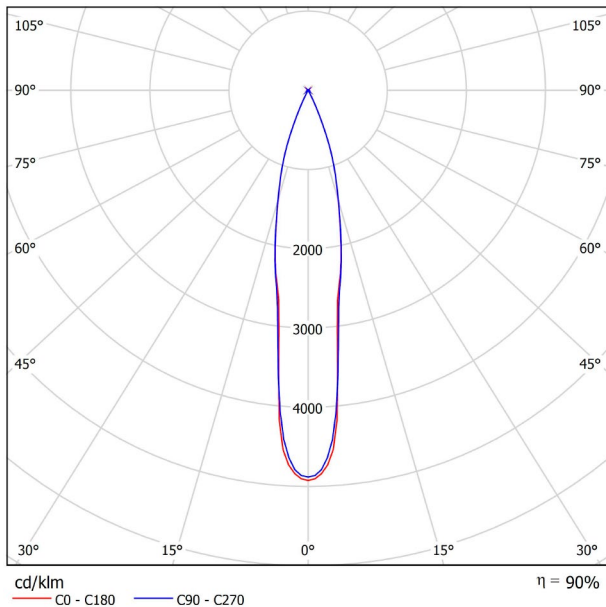
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

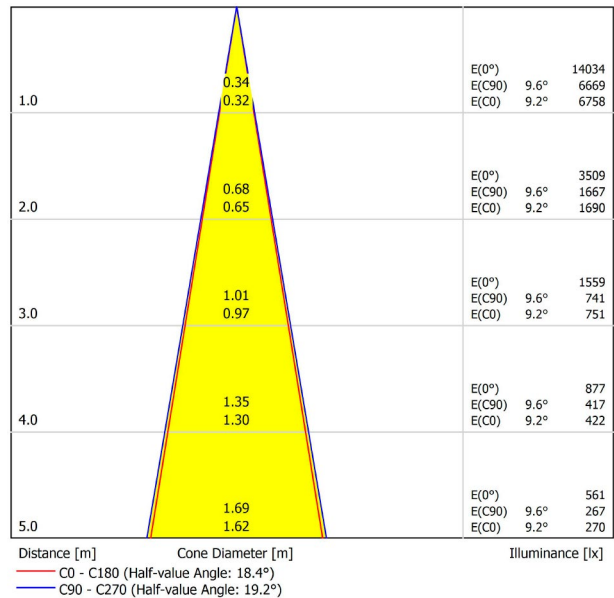


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POLAR DIAGRAM



CONICAL DIAGRAM

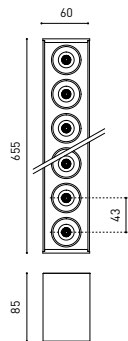


UGR

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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER SURF 15 SPOT DIM PUSH 2700K NTMG
Reference	A3206130NTMG
Color	Textured black-Metallized gold
RAL	Metallic finish
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	MacAdam Step 3
Light beam angle	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

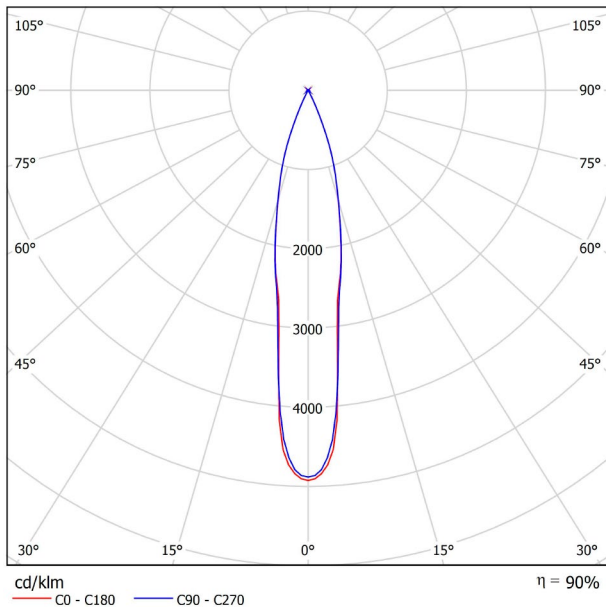
Ingress Protection	IP20
Weight	1950 g.
Packaged weight	2800 g.
Packaging dimensions	D128 × 480 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

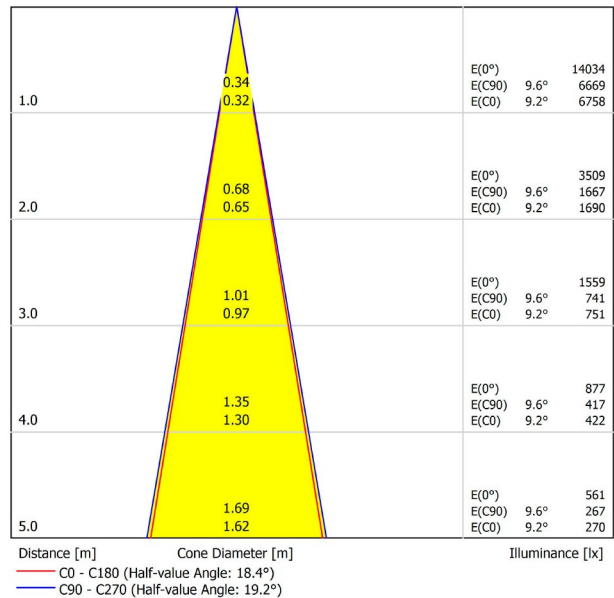


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POLAR DIAGRAM



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	1.8	2.5	2.0	2.7	2.9	2.6	3.3	2.9	3.5	3.7	
	3H	5.3	5.9	5.6	6.1	6.4	6.5	7.2	6.8	7.4	7.6	
	4H	7.3	7.8	7.6	8.1	8.3	8.4	9.0	8.7	9.2	9.5	
	6H	9.5	10.0	9.8	10.3	10.6	10.7	11.2	11.0	11.5	11.8	
	8H	10.6	11.1	11.0	11.4	11.7	11.9	12.4	12.2	12.7	13.0	
	12H	12.0	12.5	12.4	12.8	13.1	13.3	13.8	13.7	14.1	14.4	
4H	2H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.0	4.5	4.8	
	3H	6.9	7.4	7.2	7.7	8.0	7.8	8.2	8.1	8.5	8.9	
	4H	9.0	9.4	9.3	9.7	10.1	9.8	10.2	10.2	10.5	10.9	
	6H	11.3	11.6	11.7	12.0	12.4	12.2	12.6	12.6	12.9	13.3	
	8H	12.5	12.8	12.9	13.2	13.6	13.5	13.9	14.0	14.2	14.6	
	12H	14.0	14.2	14.4	14.6	15.0	15.1	15.4	15.5	15.8	16.2	
8H	4H	9.9	10.2	10.3	10.6	11.0	10.6	10.9	11.0	11.2	11.6	
	6H	12.4	12.6	12.8	13.0	13.5	13.2	13.4	13.6	13.8	14.3	
	8H	13.8	14.0	14.3	14.5	14.9	14.7	14.9	15.2	15.3	15.8	
	12H	15.5	15.6	15.9	16.1	16.6	16.5	16.6	16.9	17.1	17.6	
12H	4H	10.2	10.5	10.6	10.9	11.3	10.7	11.0	11.2	11.4	11.8	
	6H	12.8	13.0	13.2	13.4	13.9	13.4	13.6	13.9	14.1	14.6	
	8H	14.3	14.5	14.8	14.9	15.4	15.1	15.3	15.6	15.7	16.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 2850lm Total Luminous Flux												