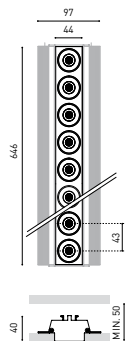




DIMENSIONS



AWARDS



Name	BLACK FOSTER TRI 15 SPOT DIM DALI 3000K NMG
Reference	A3186141NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

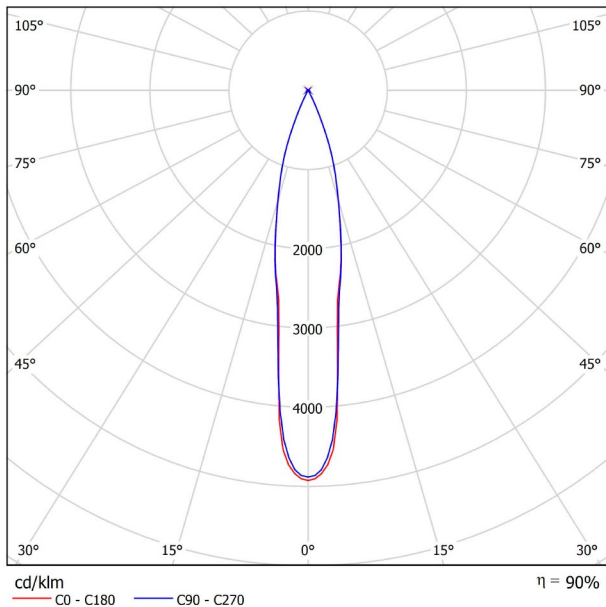
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

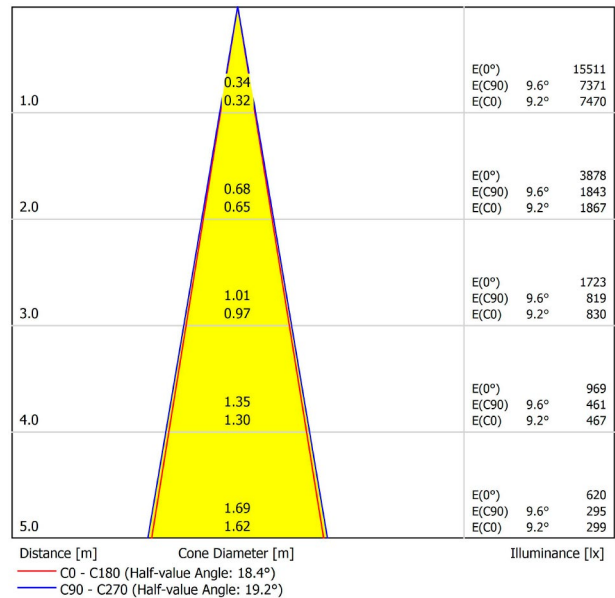


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

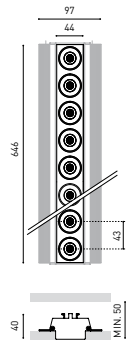


UGR

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 TRI 15 SPOT DIM DALI 4000K N
Reference	A3186142N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

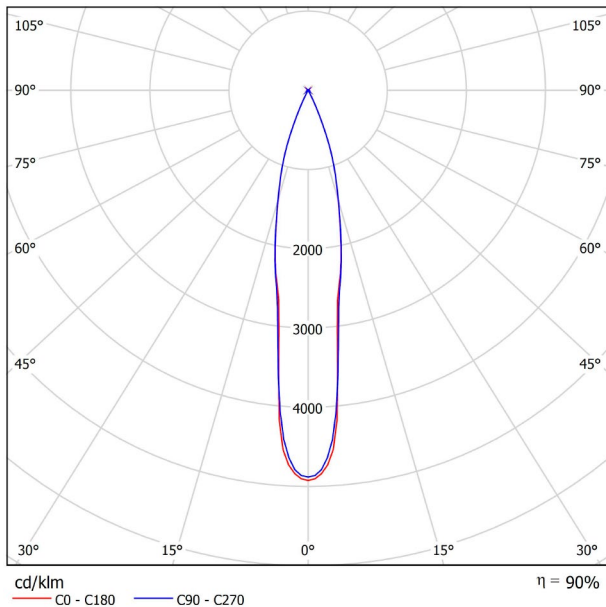
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

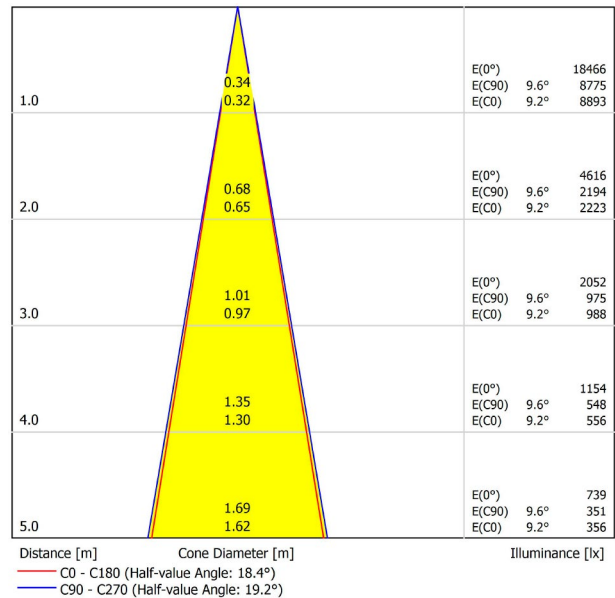


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

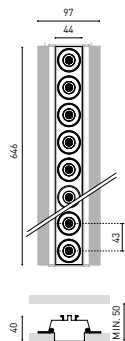


UGR

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 TRI 15 SPOT DIM DALI 4000K NMG
Reference	A3186142NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

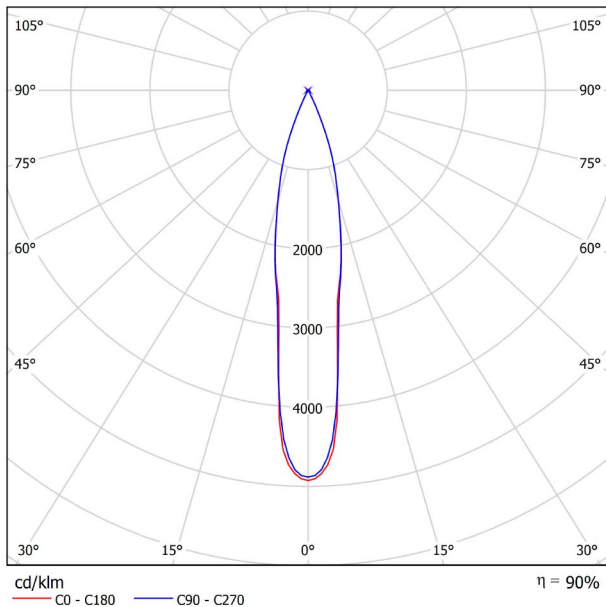
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

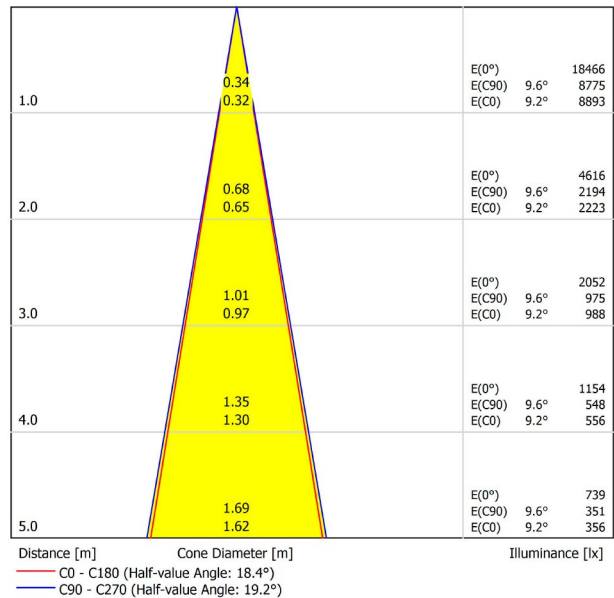


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POLAR DIAGRAM



CONICAL DIAGRAM

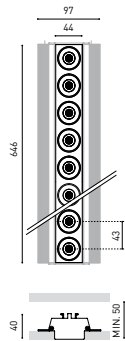


UGR

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 TRI 15 SPOT 2700K N
Reference	A3186110N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

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 - Connected
Emergency power supply	Please Consult
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

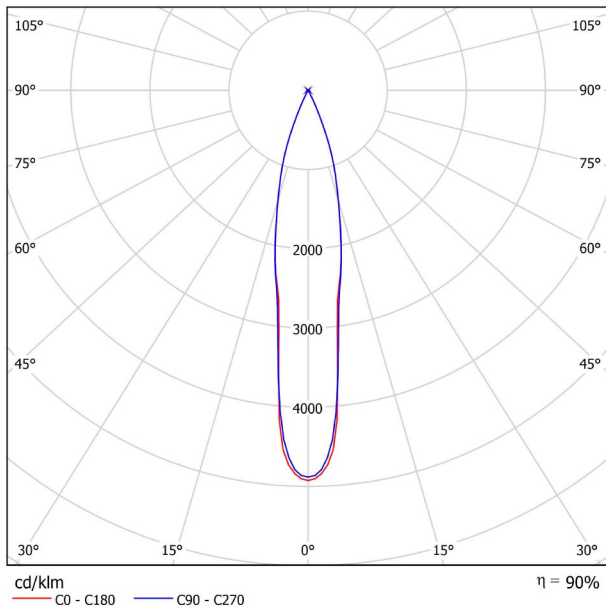
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1130 g.
Packaged weight	1610 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

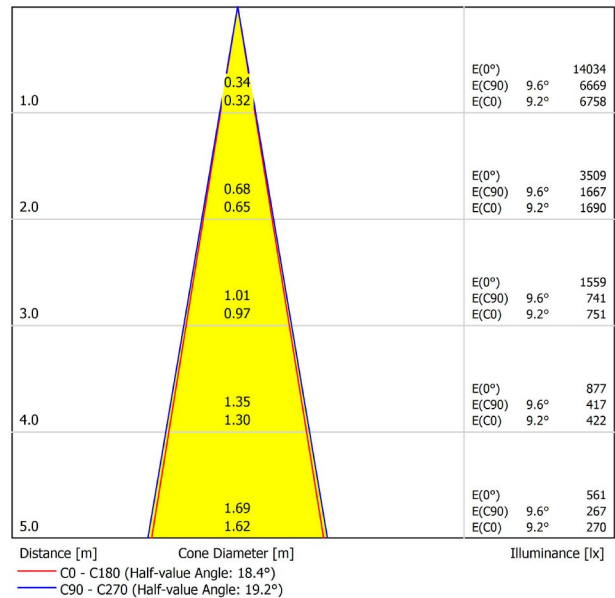


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POLAR DIAGRAM



CONICAL DIAGRAM

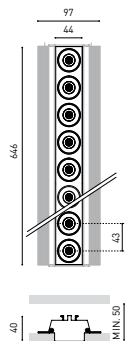


UGR

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 TRI 15 SPOT 2700K NMG
Reference	A3186110NMG
Color	Matt black-Metallized gold
RAL	Metallic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

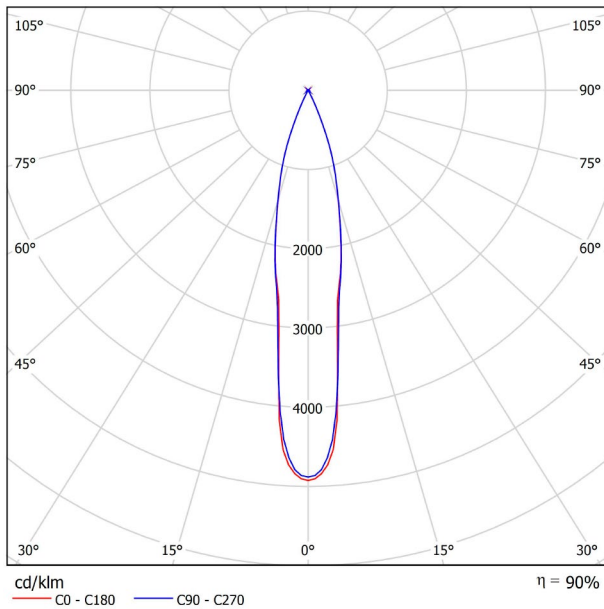
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1130 g.
Packaged weight	1610 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

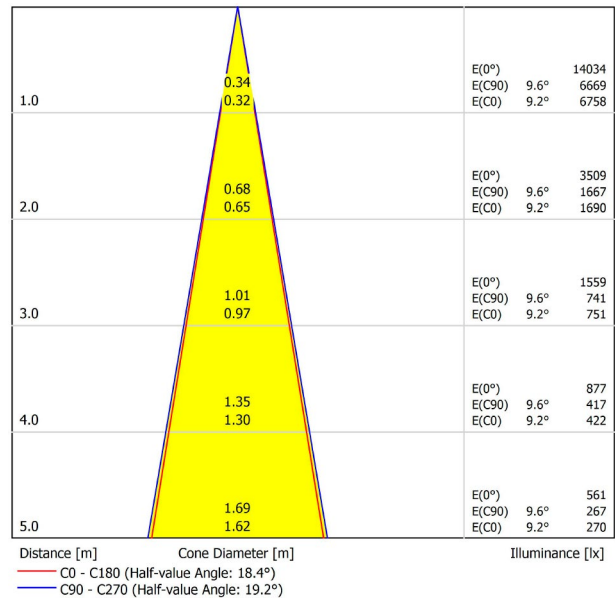


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

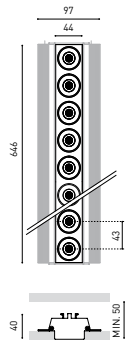


UGR

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 TRI 15 SPOT 3000K N
Reference	A3186111N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

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 - Connected
Emergency power supply	Please Consult
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

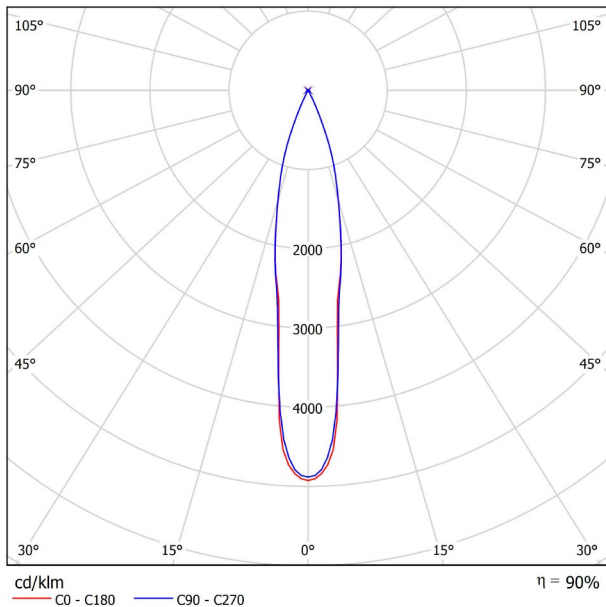
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1130 g.
Packaged weight	1610 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

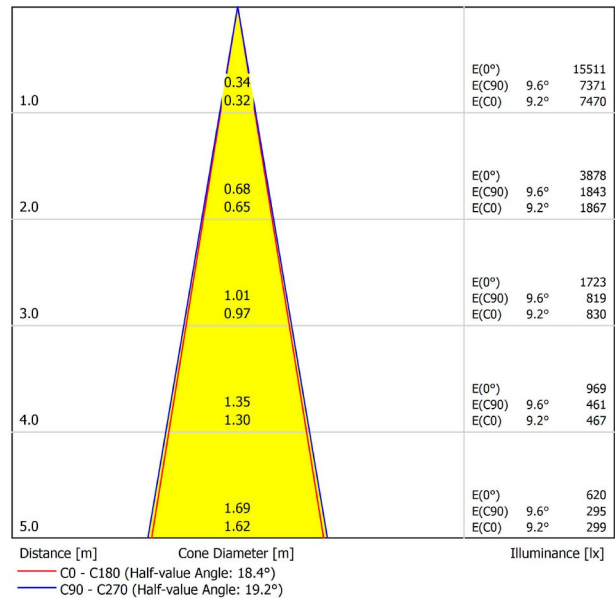


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

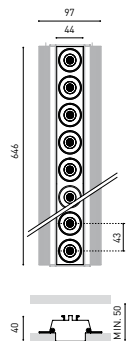


UGR

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 TRI 15 SPOT 3000K NMG
Reference	A3186111NMG
Color	Matt black-Metallized gold
RAL	Metallic finish
Category	CEILING RECESSED

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
Electrical insulation class	☐
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

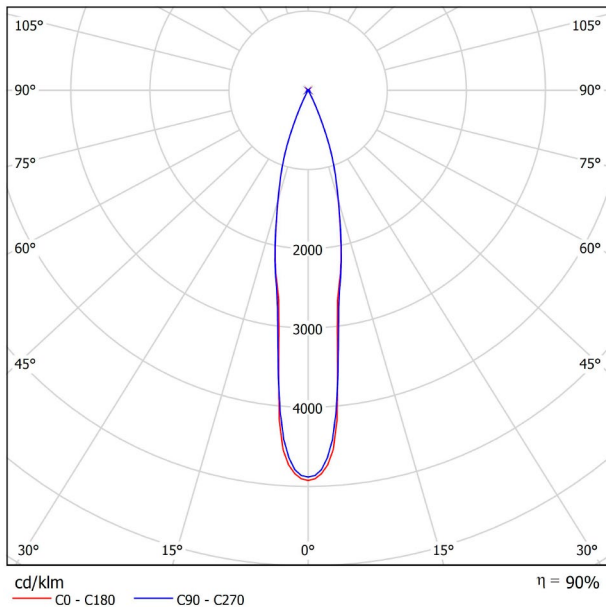
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1130 g.
Packaged weight	1610 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

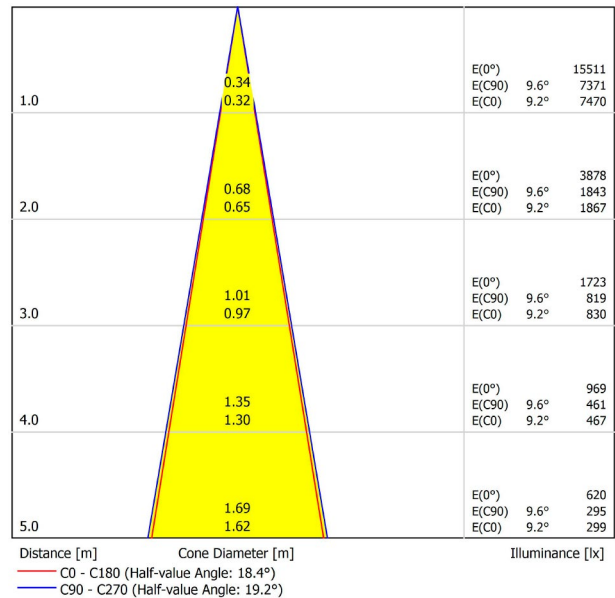


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

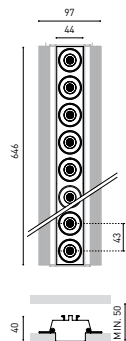


UGR

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	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 TRI 15 SPOT 4000K N
Reference	A3186112N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

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 - Connected
Emergency power supply	Please Consult
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

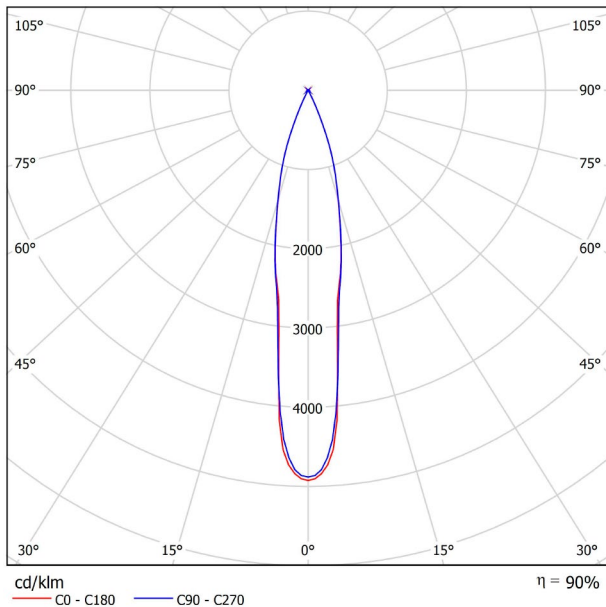
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1130 g.
Packaged weight	1610 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

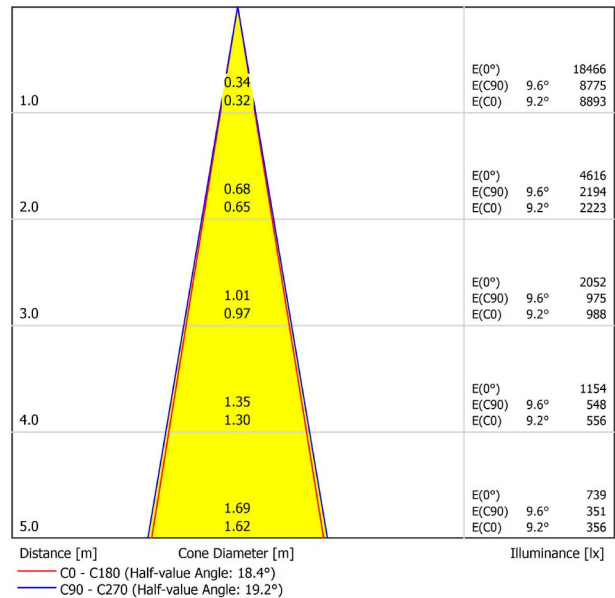


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

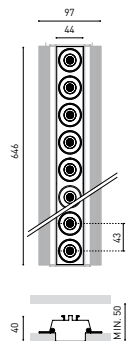


UGR

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	
4H	12H	13.0	13.5	13.3	13.8	14.1	14.3	14.8	14.6	15.1	15.4	
	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	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	
	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	12H	16.4	16.6	16.9	17.0	17.5	17.4	17.6	17.9	18.0	18.5	
	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 TRI 15 SPOT 4000K NMG
Reference	A3186112NMG
Color	Matt black-Metallized gold
RAL	Metallic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

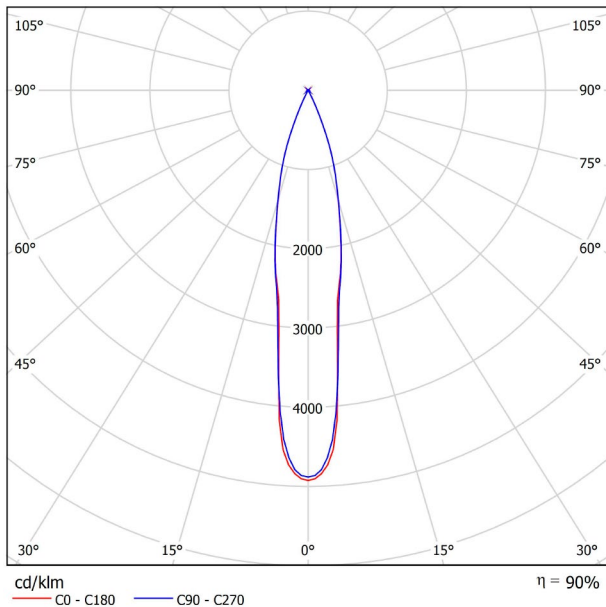
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1130 g.
Packaged weight	1610 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

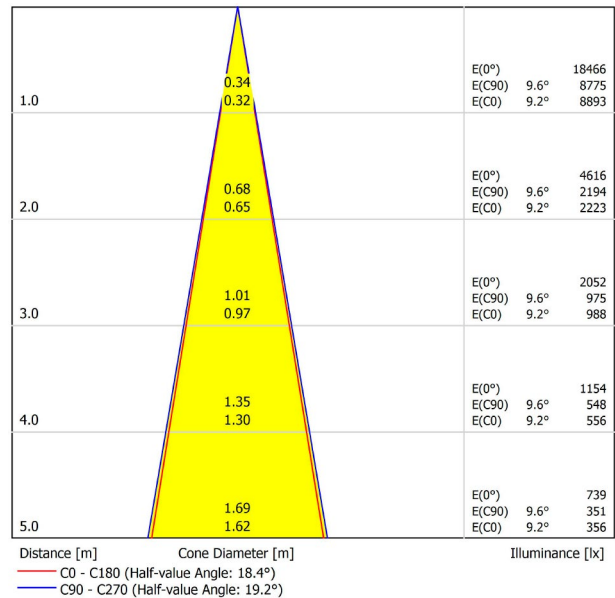


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POLAR DIAGRAM



CONICAL DIAGRAM

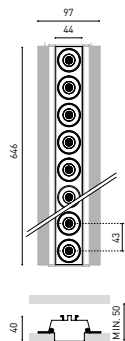


UGR

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 TRI 15 SPOT DIM PUSH 2700K N
Reference	A3186120N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

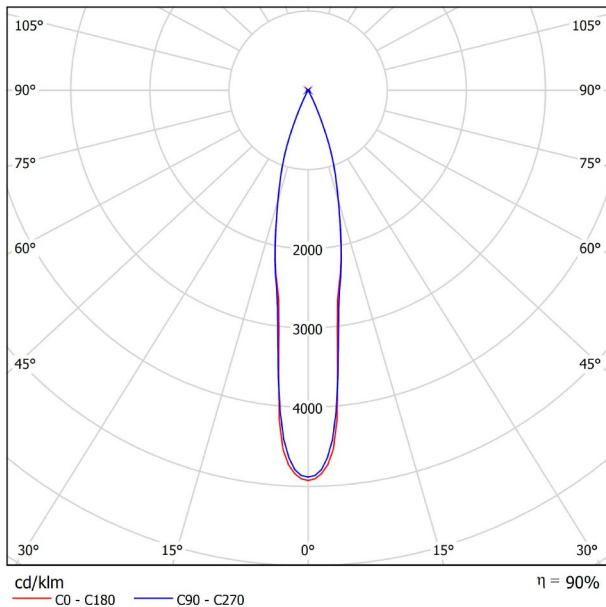
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

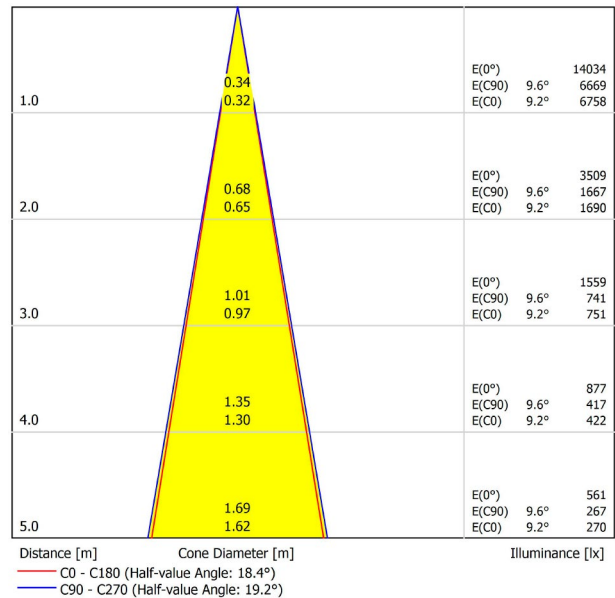


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

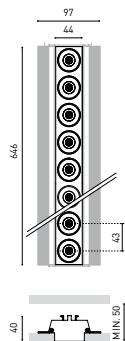


UGR

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 TRI 15 SPOT DIM PUSH 2700K NMG
Reference	A3186120NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

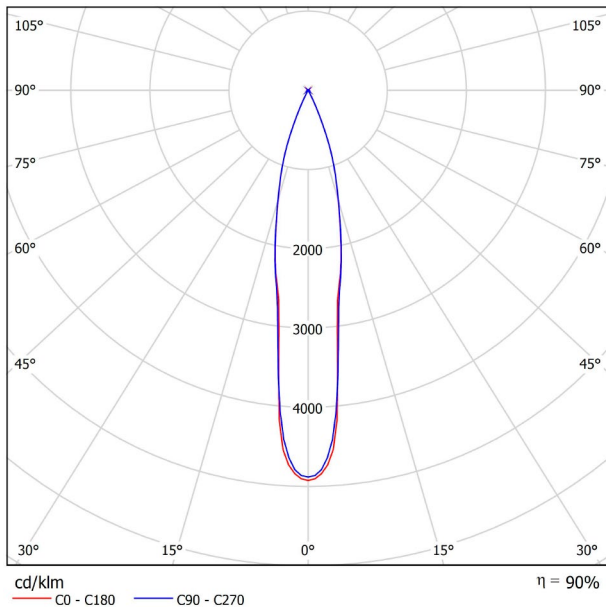
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

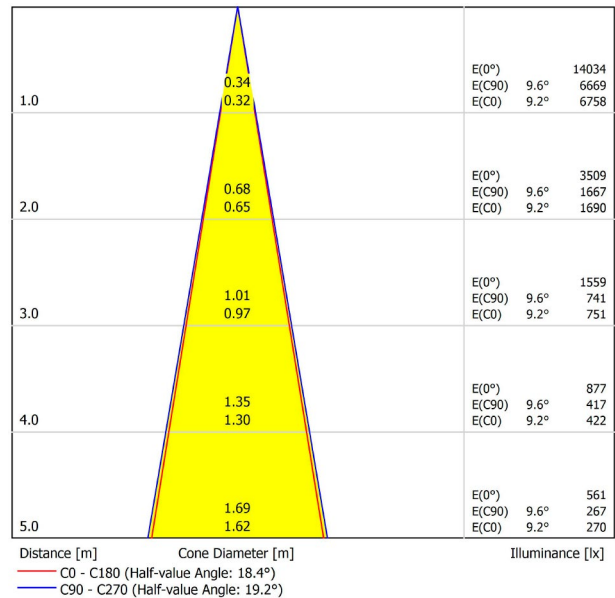


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POLAR DIAGRAM



CONICAL DIAGRAM

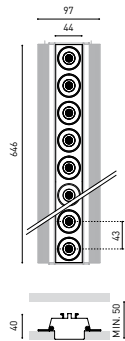


UGR

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 TRI 15 SPOT DIM PUSH 3000K N
Reference	A3186121N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

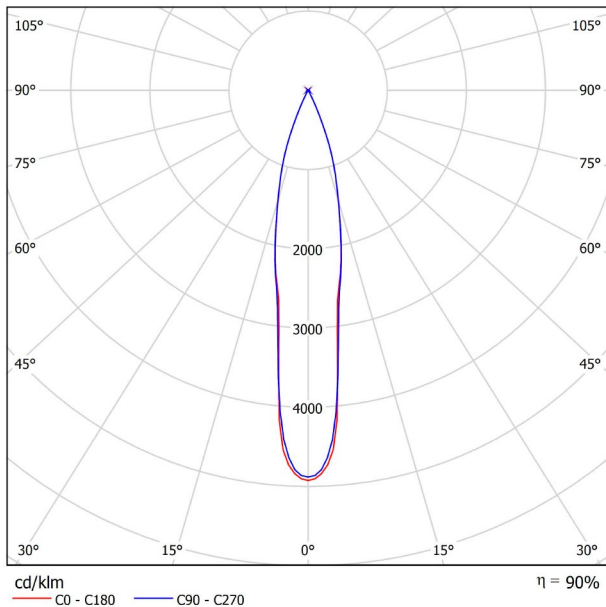
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

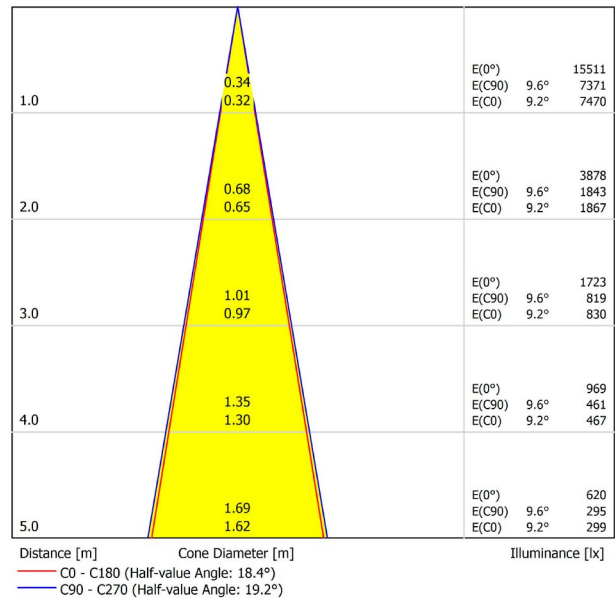


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

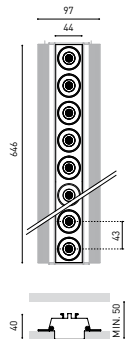


UGR

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 TRI 15 SPOT DIM PUSH 3000K NMG
Reference	A3186121NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

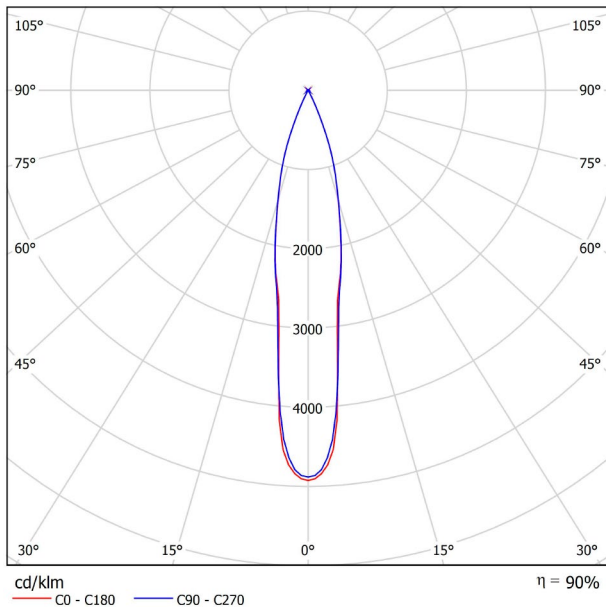
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

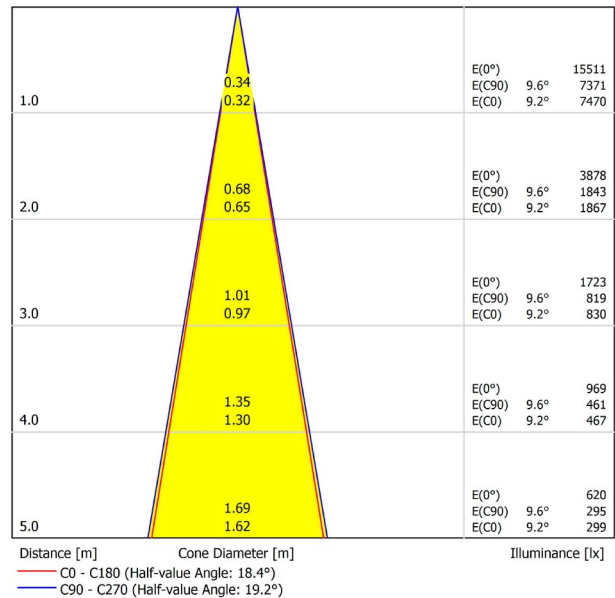


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POLAR DIAGRAM



CONICAL DIAGRAM

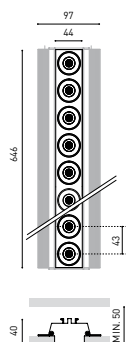


UGR

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	2.1	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 TRI 15 SPOT DIM PUSH 4000K N
Reference	A3186122N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

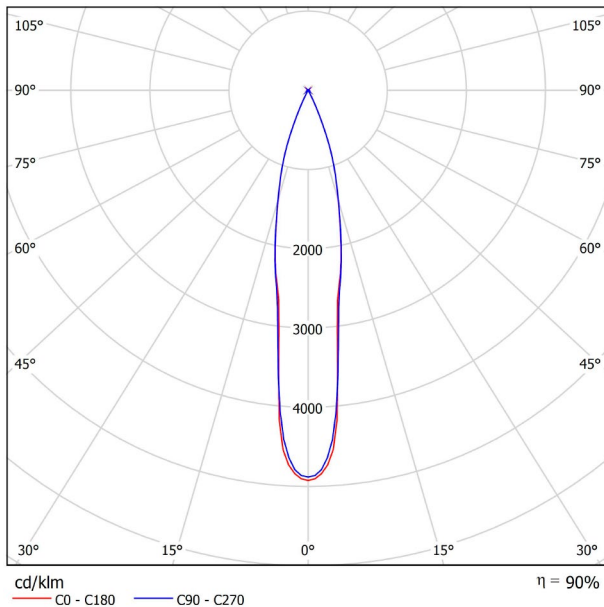
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

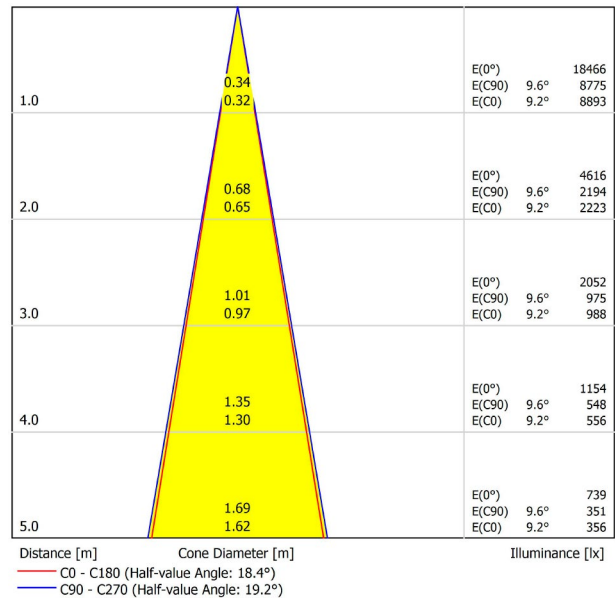


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

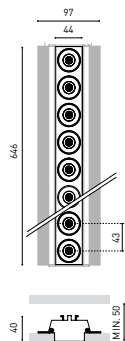


UGR

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 TRI 15 SPOT DIM PUSH 4000K NMG
Reference	A3186122NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	3750 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

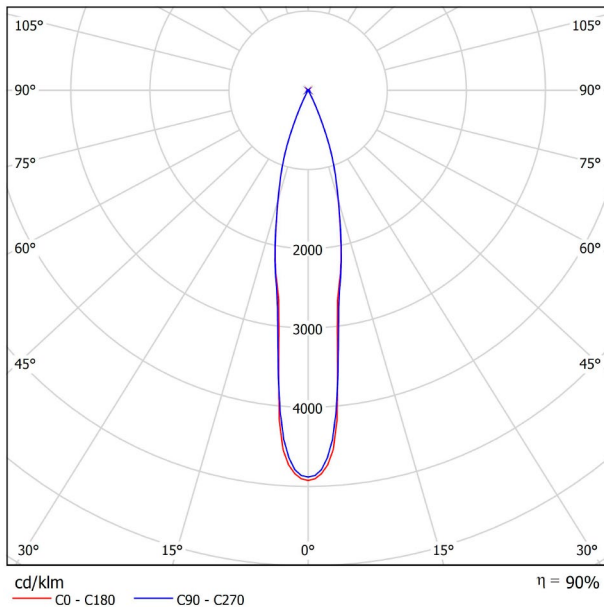
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

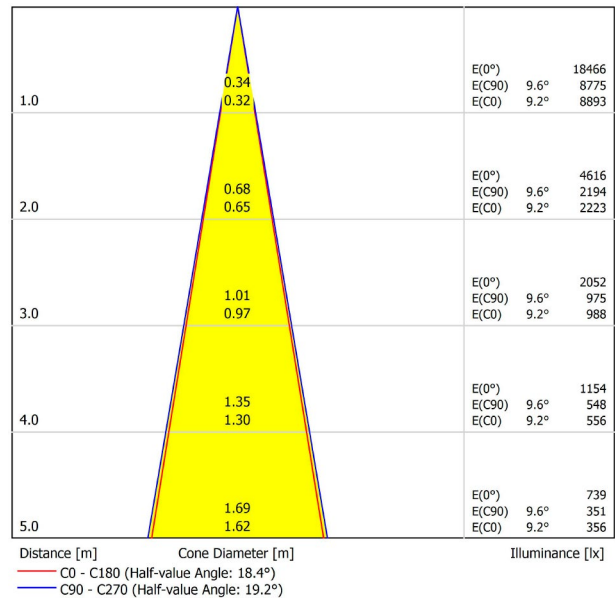


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM

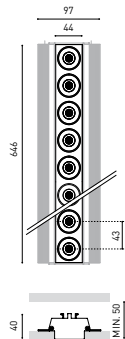


UGR

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 TRI 15 SPOT DIM DALI 2700K N
Reference	A3186140N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

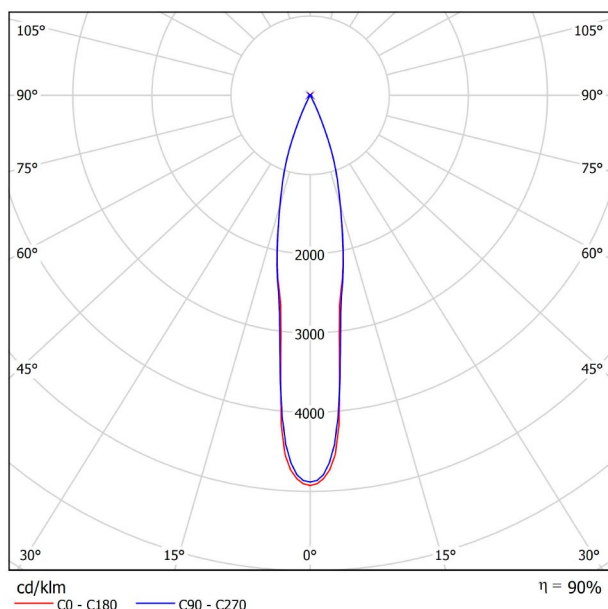
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

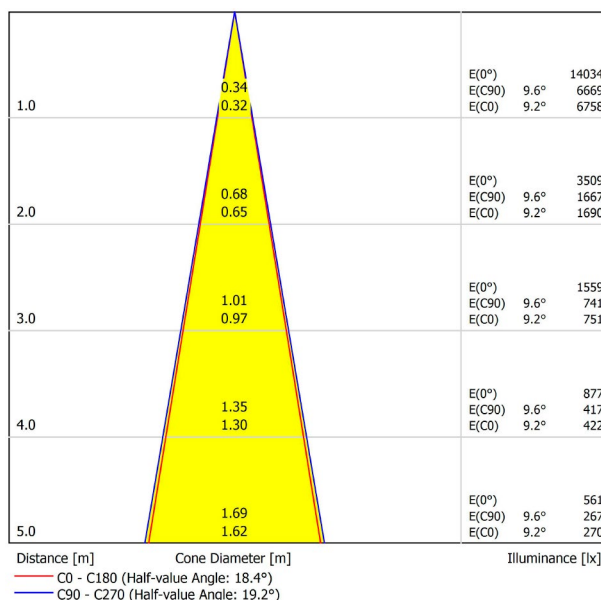


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POLAR DIAGRAM



CONICAL DIAGRAM

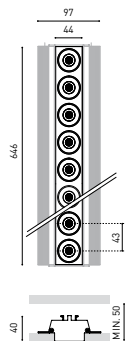


UGR

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 S = 1.5H S = 2.0H		+0.2 / -0.1 +0.3 / -0.3 +0.5 / -0.5					+0.2 / -0.1 +0.3 / -0.3 +0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 2850lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER TRI 15 SPOT DIM DALI 2700K NMG
Reference	A3186140NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	2850 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

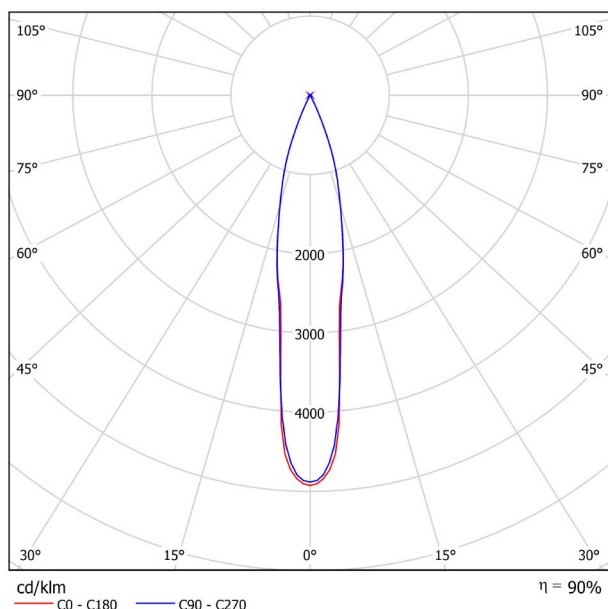
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

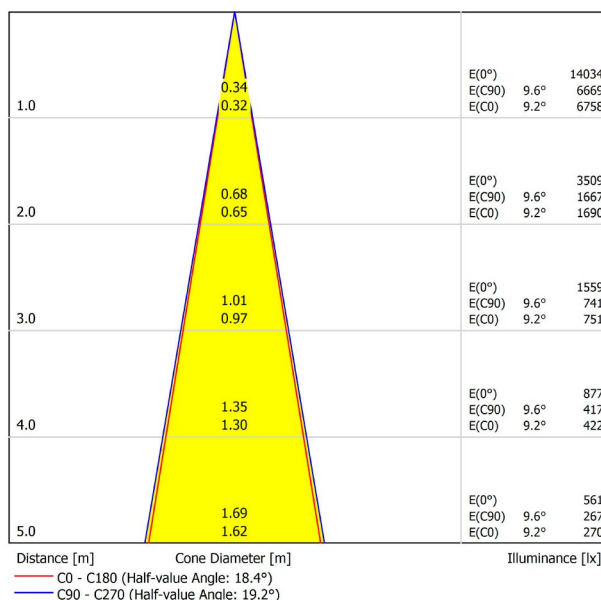


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POLAR DIAGRAM



CONICAL DIAGRAM

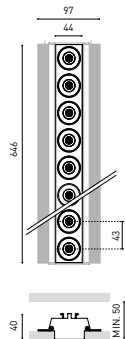


UGR

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 TRI 15 SPOT DIM DALI 3000K N
Reference	A3186141N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	3150 Lm
Power	31,5 W
Power values of the system	34,24 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 - Connected
Emergency power supply	Please Consult
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

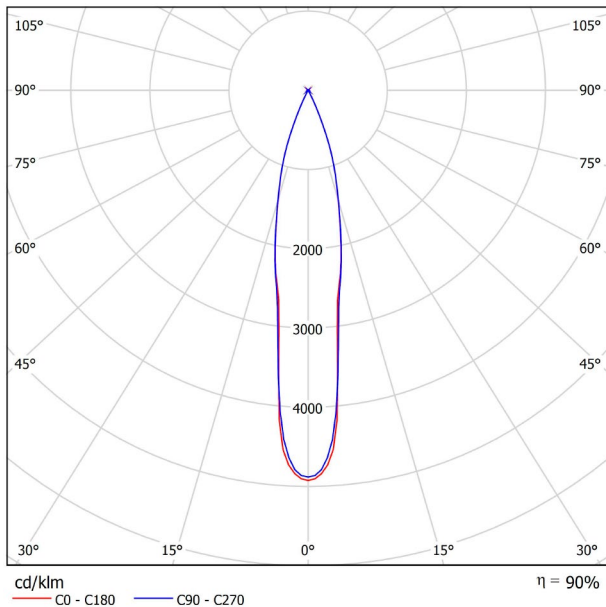
Ingress Protection	IP20
Recess measurements	50 × 652 mm.
Weight	1140 g.
Packaged weight	1620 g.
Packaging dimensions	D105 × 830 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

OTHER DATA

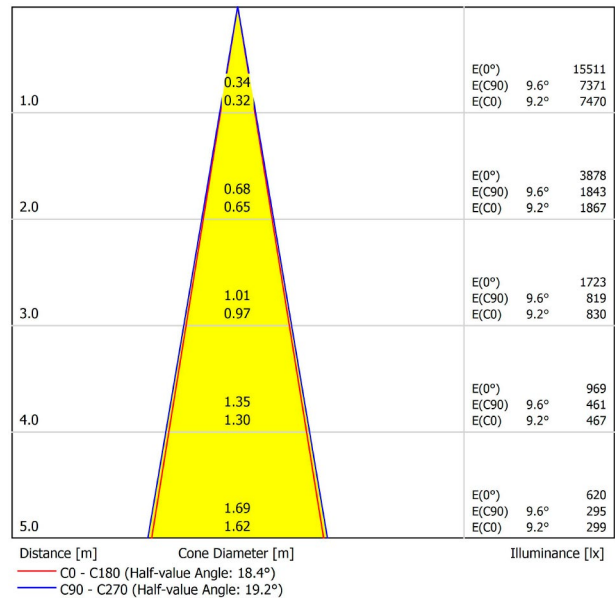


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

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	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												