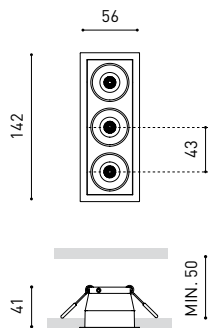




DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 4000K WN
Reference	A3193112WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

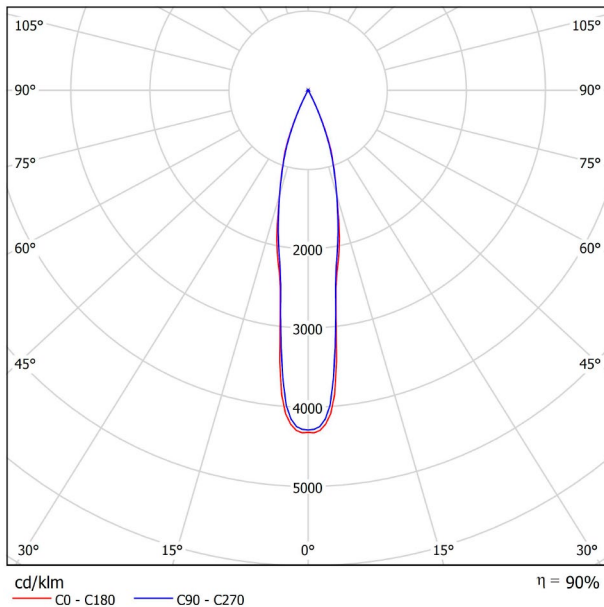
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

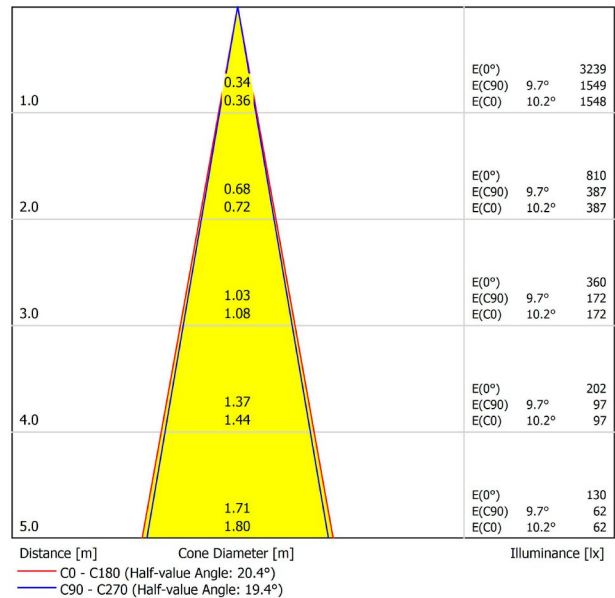


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

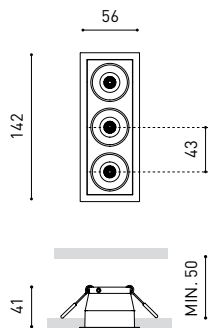


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	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	6.0	6.7	6.2	6.9	7.1	6.1	6.8	6.3	7.0	7.2	
	3H	9.6	10.2	9.8	10.4	10.6	9.6	10.3	9.9	10.5	10.7	
	4H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6	
	6H	13.5	14.1	13.9	14.4	14.7	13.6	14.1	13.9	14.4	14.7	
	8H	14.8	15.3	15.1	15.6	15.9	14.9	15.4	15.2	15.7	16.0	
4H	12H	16.1	16.6	16.5	16.9	17.2	16.2	16.7	16.6	17.0	17.3	
	2H	7.0	7.6	7.3	7.9	8.1	7.1	7.7	7.4	7.9	8.2	
	3H	10.9	11.4	11.2	11.7	12.0	10.9	11.4	11.2	11.7	12.0	
	4H	12.9	13.3	13.3	13.7	14.0	13.0	13.5	13.4	13.8	14.1	
	6H	15.2	15.5	15.6	15.9	16.3	15.2	15.6	15.6	15.9	16.3	
8H	8H	16.5	16.8	16.9	17.2	17.6	16.6	16.9	17.0	17.3	17.7	
	12H	18.0	18.3	18.4	18.7	19.1	18.1	18.4	18.5	18.8	19.2	
	4H	13.7	14.1	14.2	14.4	14.8	13.8	14.2	14.3	14.5	14.9	
	6H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	17.0	17.4	
	8H	17.8	18.0	18.2	18.4	18.9	17.9	18.1	18.3	18.5	19.0	
12H	12H	19.4	19.6	19.9	20.1	20.6	19.5	19.7	20.0	20.2	20.7	
	4H	14.0	14.3	14.4	14.7	15.1	14.1	14.4	14.5	14.8	15.2	
	6H	16.6	16.8	17.1	17.3	17.8	16.7	16.9	17.1	17.3	17.8	
	8H	18.2	18.4	18.7	18.9	19.4	18.3	18.5	18.8	18.9	19.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 2700K N
Reference	A3193120N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,16 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

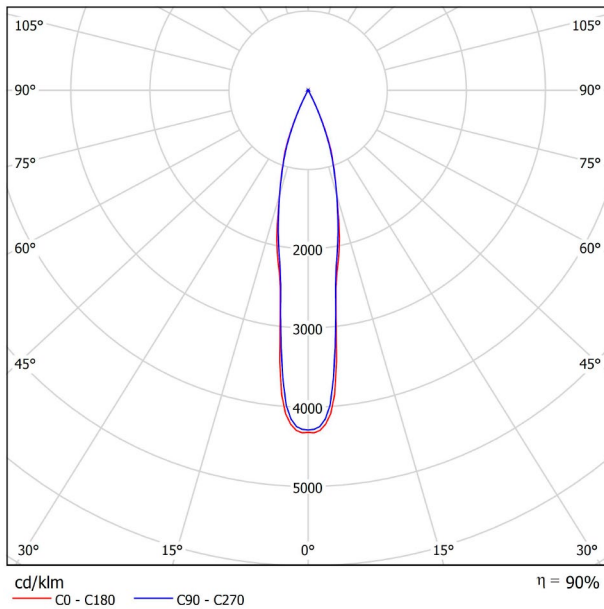
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

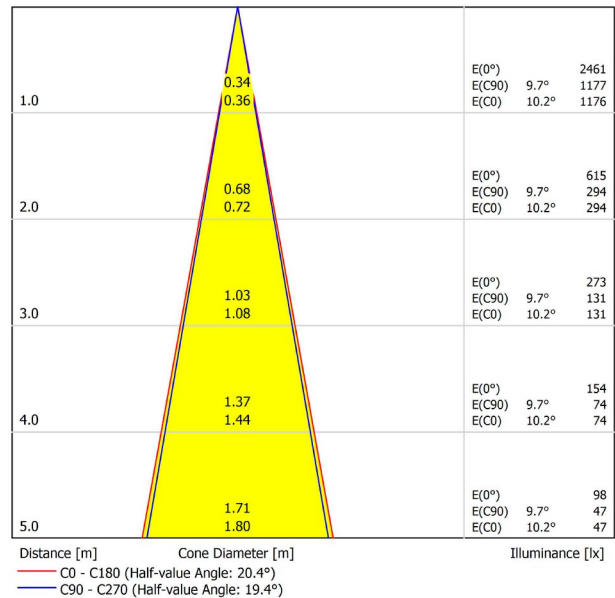


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

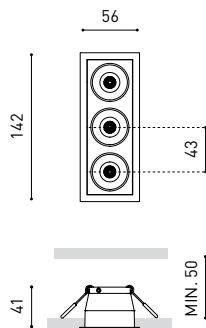


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 2700K NMG
Reference	A3193120NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
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

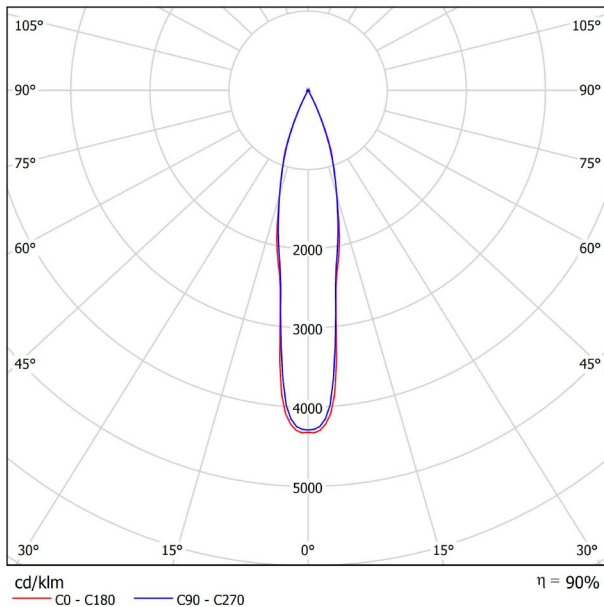
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

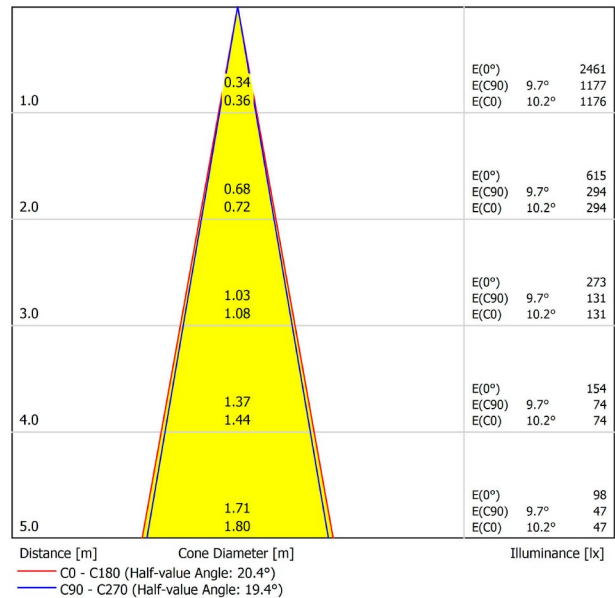


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POLAR DIAGRAM



CONICAL DIAGRAM

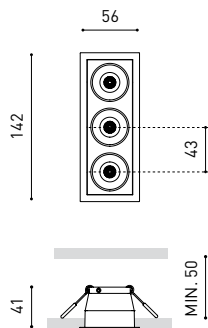


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 2700K WN
Reference	A3193120WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,16 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

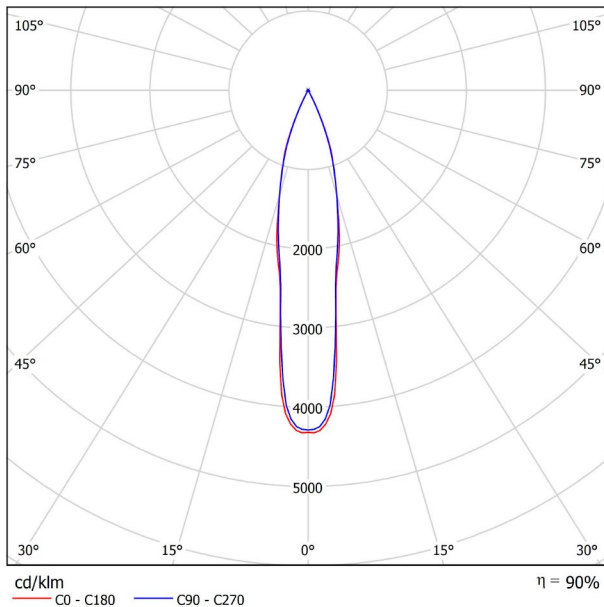
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

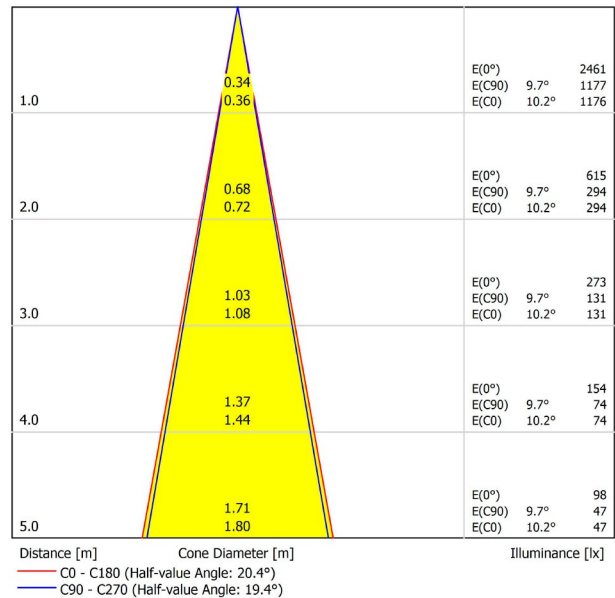


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POLAR DIAGRAM



CONICAL DIAGRAM

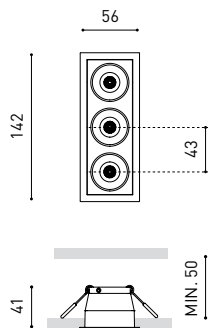


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 3000K N
Reference	A3193121N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,16 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

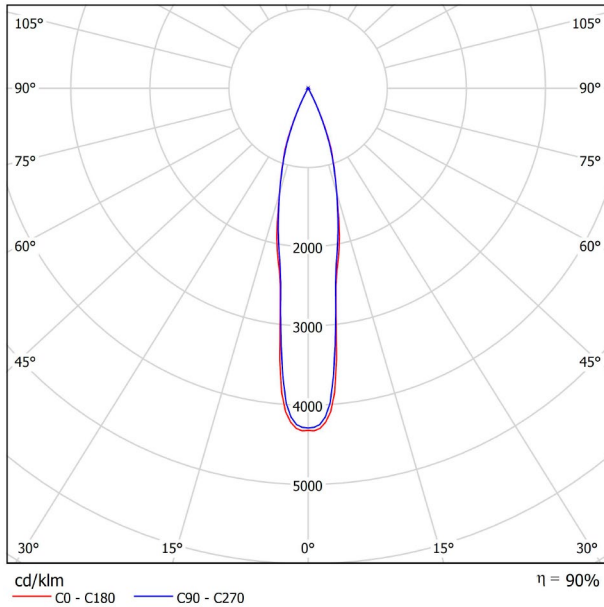
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

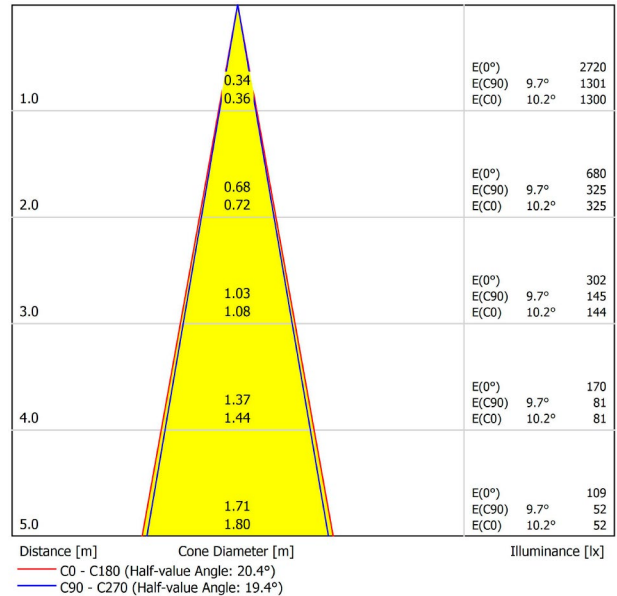


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

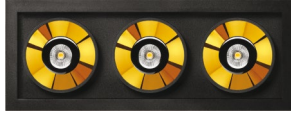


CONICAL DIAGRAM

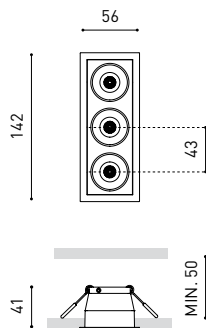


UGR

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	5.4	6.1	5.6	6.3	6.5	5.5	6.2	5.7	6.4	6.6	
	3H	8.9	9.6	9.2	9.8	10.0	9.0	9.6	9.3	9.9	10.1	
	4H	10.8	11.4	11.1	11.7	11.9	10.9	11.5	11.2	11.8	12.0	
	6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1	
	8H	14.2	14.7	14.5	15.0	15.3	14.2	14.8	14.6	15.1	15.4	
4H	12H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	16.0	16.4	16.7	
	2H	6.4	7.0	6.7	7.3	7.5	6.5	7.1	6.8	7.3	7.6	
	3H	10.2	10.7	10.6	11.1	11.4	10.3	10.8	10.6	11.1	11.4	
	4H	12.3	12.7	12.7	13.1	13.4	12.4	12.9	12.8	13.2	13.5	
	6H	14.6	14.9	15.0	15.3	15.7	14.6	15.0	15.0	15.3	15.7	
8H	8H	15.9	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.1	
	12H	17.4	17.7	17.8	18.1	18.5	17.5	17.8	17.9	18.2	18.6	
	4H	13.1	13.5	13.6	13.8	14.2	13.2	13.6	13.7	13.9	14.3	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.4	16.8	
	8H	17.2	17.4	17.6	17.8	18.3	17.2	17.5	17.7	17.9	18.4	
12H	12H	18.8	19.0	19.3	19.5	20.0	18.9	19.1	19.4	19.6	20.0	
	4H	13.4	13.7	13.8	14.1	14.5	13.5	13.8	13.9	14.2	14.6	
	6H	16.0	16.2	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
	8H	17.6	17.8	18.1	18.3	18.7	17.7	17.9	18.2	18.3	18.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 630lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 3000K NMG
Reference	A3193121NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
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

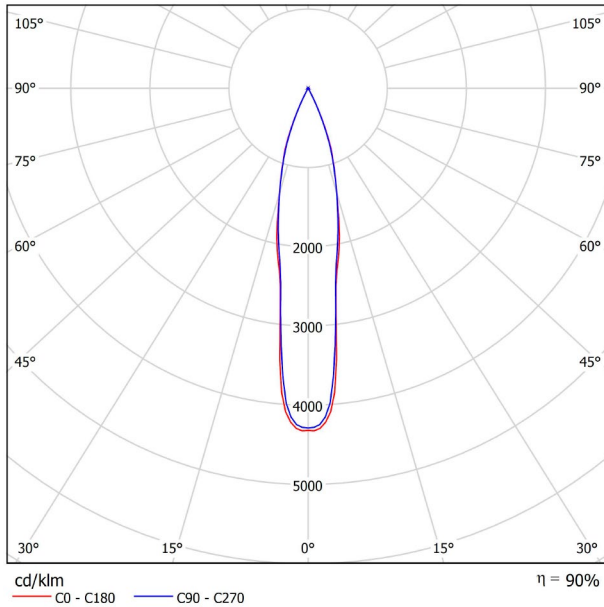
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

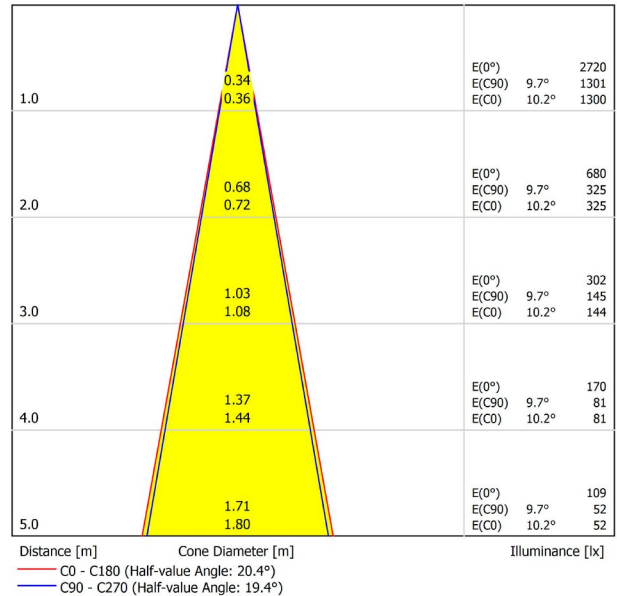


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POLAR DIAGRAM



CONICAL DIAGRAM

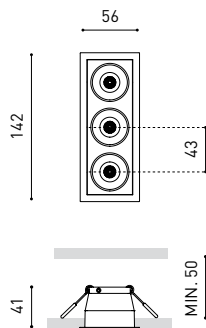


UGR

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	5.4	6.1	5.6	6.3	6.5	5.5	6.2	5.7	6.4	6.6	
	3H	8.9	9.6	9.2	9.8	10.0	9.0	9.6	9.3	9.9	10.1	
	4H	10.8	11.4	11.1	11.7	11.9	10.9	11.5	11.2	11.8	12.0	
	6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1	
	8H	14.2	14.7	14.5	15.0	15.3	14.2	14.8	14.6	15.1	15.4	
4H	12H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	16.0	16.4	16.7	
	2H	6.4	7.0	6.7	7.3	7.5	6.5	7.1	6.8	7.3	7.6	
	3H	10.2	10.7	10.6	11.1	11.4	10.3	10.8	10.6	11.1	11.4	
	4H	12.3	12.7	12.7	13.1	13.4	12.4	12.9	12.8	13.2	13.5	
	6H	14.6	14.9	15.0	15.3	15.7	14.6	15.0	15.0	15.3	15.7	
8H	8H	15.9	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.1	
	12H	17.4	17.7	17.8	18.1	18.5	17.5	17.8	17.9	18.2	18.6	
	4H	13.1	13.5	13.6	13.8	14.2	13.2	13.6	13.7	13.9	14.3	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.4	16.8	
	8H	17.2	17.4	17.6	17.8	18.3	17.2	17.5	17.7	17.9	18.4	
12H	12H	18.8	19.0	19.3	19.5	20.0	18.9	19.1	19.4	19.6	20.0	
	4H	13.4	13.7	13.8	14.1	14.5	13.5	13.8	13.9	14.2	14.6	
	6H	16.0	16.2	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
	8H	17.6	17.8	18.1	18.3	18.7	17.7	17.9	18.2	18.3	18.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 630lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 2700K N
Reference	A3193110N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

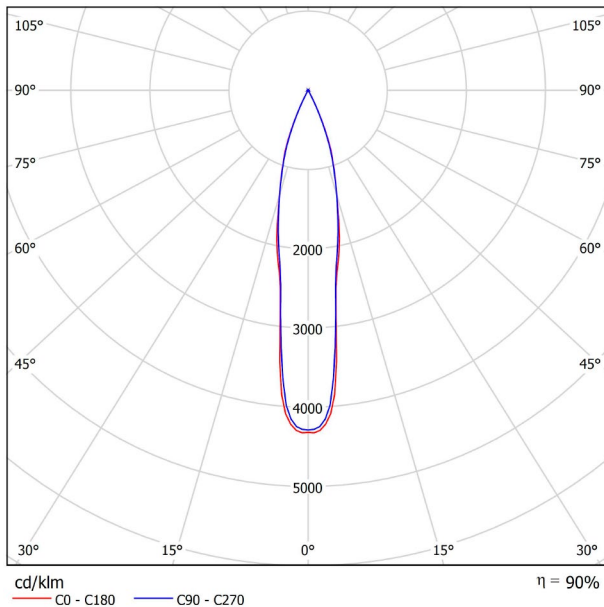
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

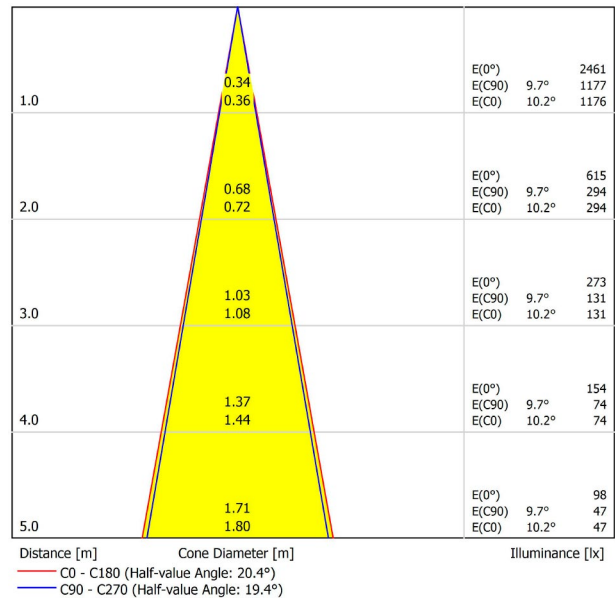


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POLAR DIAGRAM



CONICAL DIAGRAM

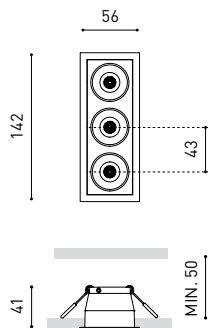


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 2700K NMG
Reference	A3193110NMG
Color	Matt black-Metallized gold
RAL	Metallic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

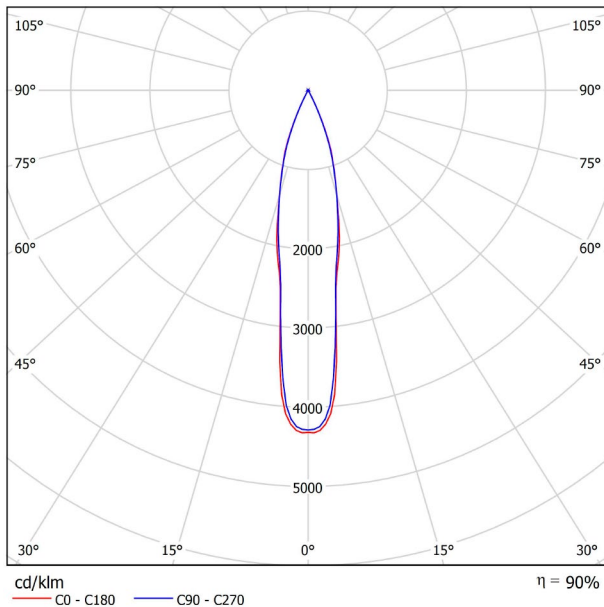
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

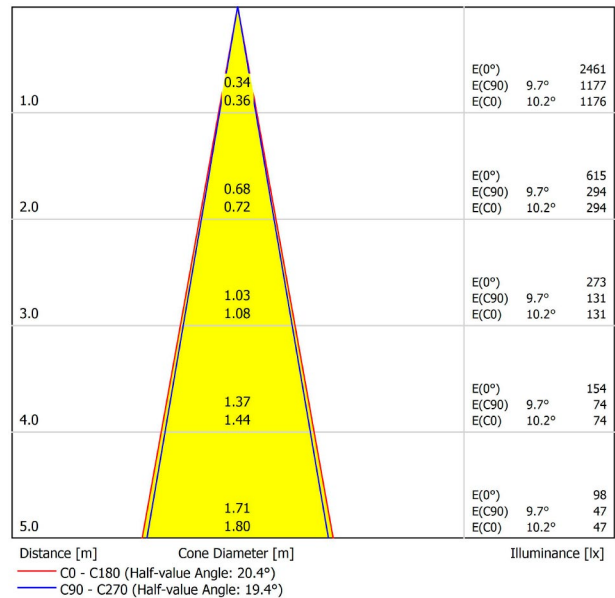


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POLAR DIAGRAM



CONICAL DIAGRAM

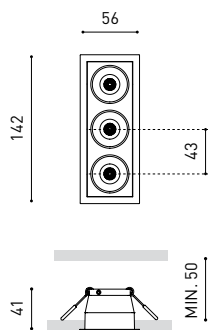


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H S = 1.5H S = 2.0H		+0.2 / -0.2 +0.3 / -0.3 +0.5 / -0.6					+0.2 / -0.2 +0.3 / -0.3 +0.5 / -0.6					
Standard table Correction Summand		--- ---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 2700K WN
Reference	A3193110WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

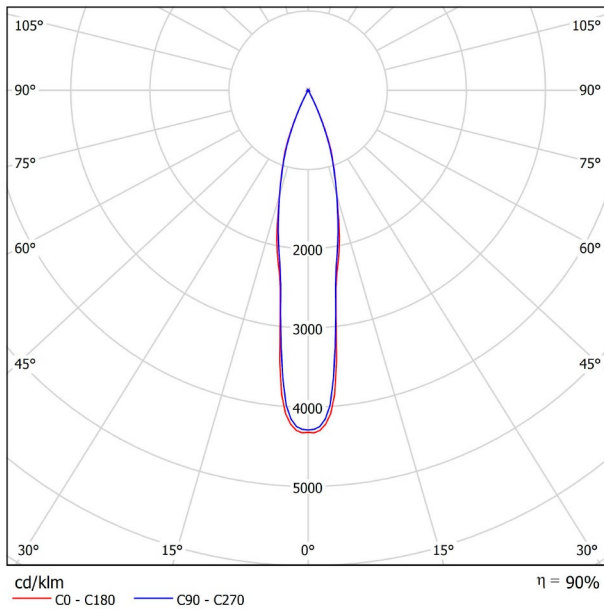
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

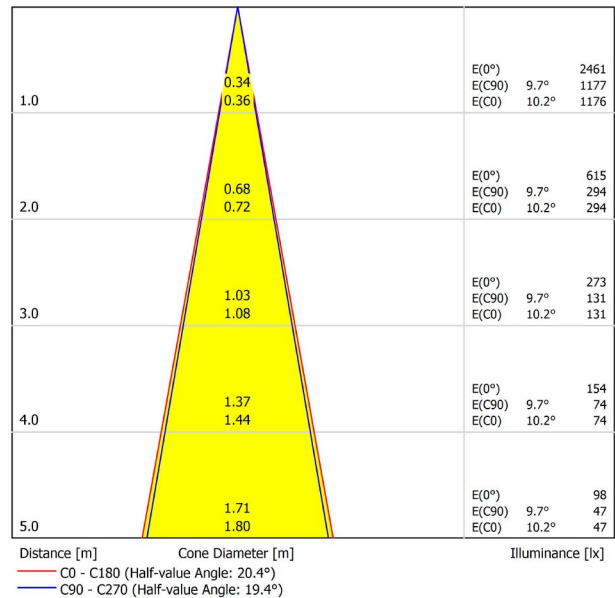


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POLAR DIAGRAM



CONICAL DIAGRAM

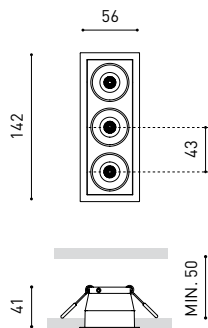


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 3000K N
Reference	A3193111N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

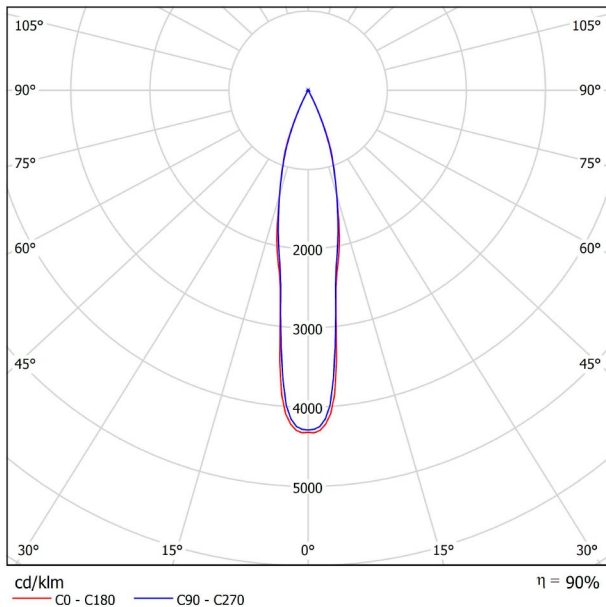
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

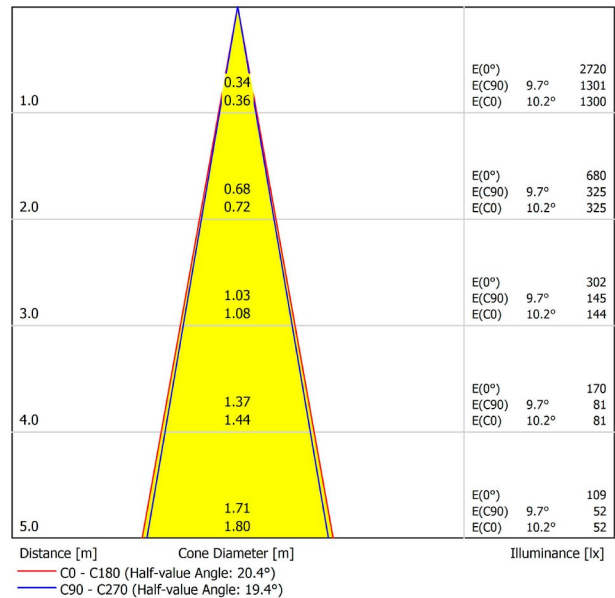


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

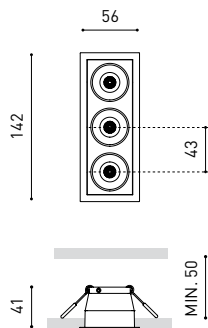


UGR

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	5.4	6.1	5.6	6.3	6.5	5.5	6.2	5.7	6.4	6.6	
	3H	8.9	9.6	9.2	9.8	10.0	9.0	9.6	9.3	9.9	10.1	
	4H	10.8	11.4	11.1	11.7	11.9	10.9	11.5	11.2	11.8	12.0	
	6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1	
	8H	14.2	14.7	14.5	15.0	15.3	14.2	14.8	14.6	15.1	15.4	
4H	12H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	16.0	16.4	16.7	
	2H	6.4	7.0	6.7	7.3	7.5	6.5	7.1	6.8	7.3	7.6	
	3H	10.2	10.7	10.6	11.1	11.4	10.3	10.8	10.6	11.1	11.4	
	4H	12.3	12.7	12.7	13.1	13.4	12.4	12.9	12.8	13.2	13.5	
	6H	14.6	14.9	15.0	15.3	15.7	14.6	15.0	15.0	15.3	15.7	
8H	8H	15.9	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.1	
	12H	17.4	17.7	17.8	18.1	18.5	17.5	17.8	17.9	18.2	18.6	
	4H	13.1	13.5	13.6	13.8	14.2	13.2	13.6	13.7	13.9	14.3	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.4	16.8	
	8H	17.2	17.4	17.6	17.8	18.3	17.2	17.5	17.7	17.9	18.4	
12H	12H	18.8	19.0	19.3	19.5	20.0	18.9	19.1	19.4	19.6	20.0	
	4H	13.4	13.7	13.8	14.1	14.5	13.5	13.8	13.9	14.2	14.6	
	6H	16.0	16.2	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
	8H	17.6	17.8	18.1	18.3	18.7	17.7	17.9	18.2	18.3	18.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 630lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 3000K NMG
Reference	A3193111NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

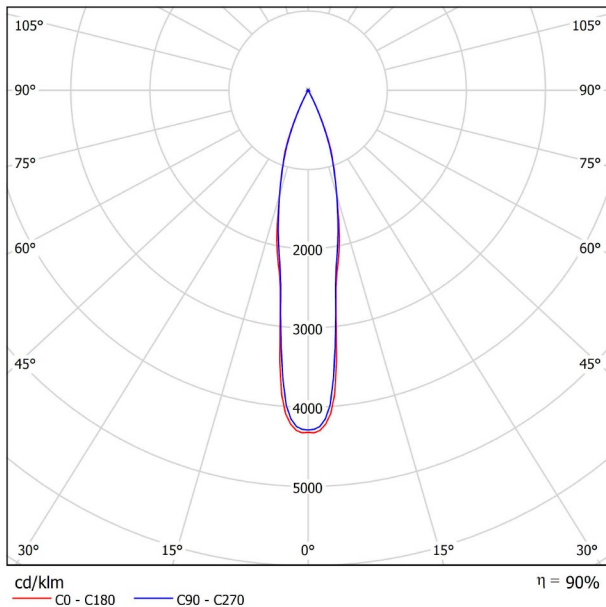
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

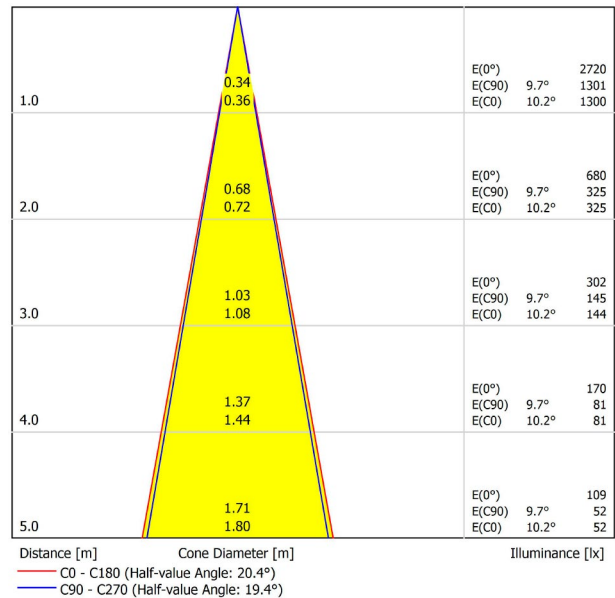


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

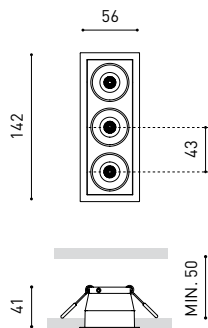


UGR

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	5.4	6.1	5.6	6.3	6.5	5.5	6.2	5.7	6.4	6.6	
	3H	8.9	9.6	9.2	9.8	10.0	9.0	9.6	9.3	9.9	10.1	
	4H	10.8	11.4	11.1	11.7	11.9	10.9	11.5	11.2	11.8	12.0	
	6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1	
	8H	14.2	14.7	14.5	15.0	15.3	14.2	14.8	14.6	15.1	15.4	
	12H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	16.0	16.4	16.7	
4H	2H	6.4	7.0	6.7	7.3	7.5	6.5	7.1	6.8	7.3	7.6	
	3H	10.2	10.7	10.6	11.1	11.4	10.3	10.8	10.6	11.1	11.4	
	4H	12.3	12.7	12.7	13.1	13.4	12.4	12.9	12.8	13.2	13.5	
	6H	14.6	14.9	15.0	15.3	15.7	14.6	15.0	15.0	15.3	15.7	
	8H	15.9	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.1	
	12H	17.4	17.7	17.8	18.1	18.5	17.5	17.8	17.9	18.2	18.6	
8H	4H	13.1	13.5	13.6	13.8	14.2	13.2	13.6	13.7	13.9	14.3	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.4	16.8	
	8H	17.2	17.4	17.6	17.8	18.3	17.2	17.5	17.7	17.9	18.4	
	12H	18.8	19.0	19.3	19.5	20.0	18.9	19.1	19.4	19.6	20.0	
12H	4H	13.4	13.7	13.8	14.1	14.5	13.5	13.8	13.9	14.2	14.6	
	6H	16.0	16.2	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
	8H	17.6	17.8	18.1	18.3	18.7	17.7	17.9	18.2	18.3	18.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 630lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 3000K WN
Reference	A3193111WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

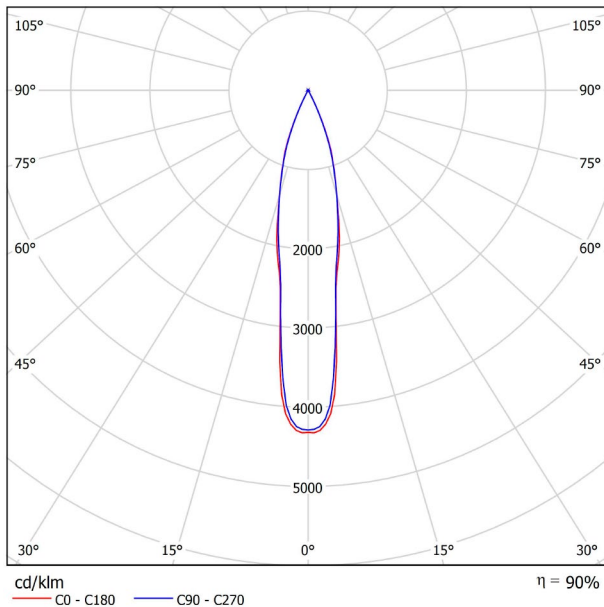
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

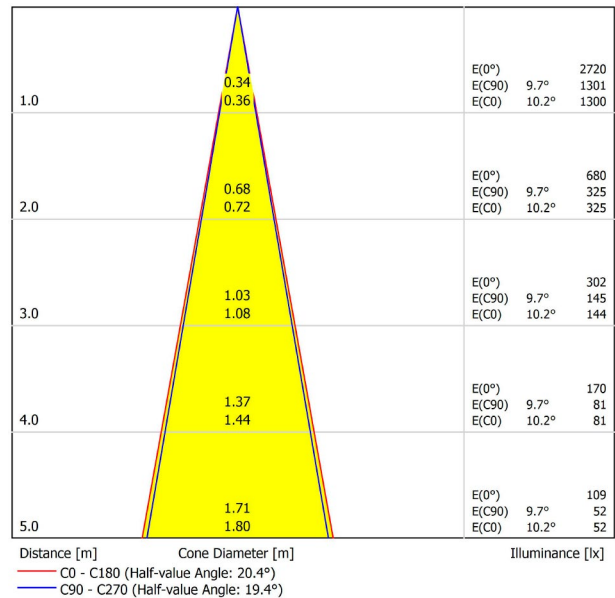


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

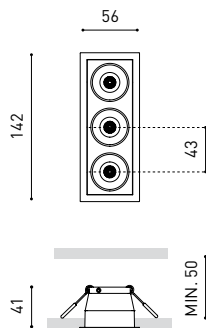


UGR

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	5.4	6.1	5.6	6.3	6.5	5.5	6.2	5.7	6.4	6.6	
	3H	8.9	9.6	9.2	9.8	10.0	9.0	9.6	9.3	9.9	10.1	
	4H	10.8	11.4	11.1	11.7	11.9	10.9	11.5	11.2	11.8	12.0	
	6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1	
	8H	14.2	14.7	14.5	15.0	15.3	14.2	14.8	14.6	15.1	15.4	
	12H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	16.0	16.4	16.7	
4H	2H	6.4	7.0	6.7	7.3	7.5	6.5	7.1	6.8	7.3	7.6	
	3H	10.2	10.7	10.6	11.1	11.4	10.3	10.8	10.6	11.1	11.4	
	4H	12.3	12.7	12.7	13.1	13.4	12.4	12.9	12.8	13.2	13.5	
	6H	14.6	14.9	15.0	15.3	15.7	14.6	15.0	15.0	15.3	15.7	
	8H	15.9	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.1	
	12H	17.4	17.7	17.8	18.1	18.5	17.5	17.8	17.9	18.2	18.6	
8H	4H	13.1	13.5	13.6	13.8	14.2	13.2	13.6	13.7	13.9	14.3	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.4	16.8	
	8H	17.2	17.4	17.6	17.8	18.3	17.2	17.5	17.7	17.9	18.4	
	12H	18.8	19.0	19.3	19.5	20.0	18.9	19.1	19.4	19.6	20.0	
12H	4H	13.4	13.7	13.8	14.1	14.5	13.5	13.8	13.9	14.2	14.6	
	6H	16.0	16.2	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
	8H	17.6	17.8	18.1	18.3	18.7	17.7	17.9	18.2	18.3	18.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 630lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 4000K N
Reference	A3193112N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

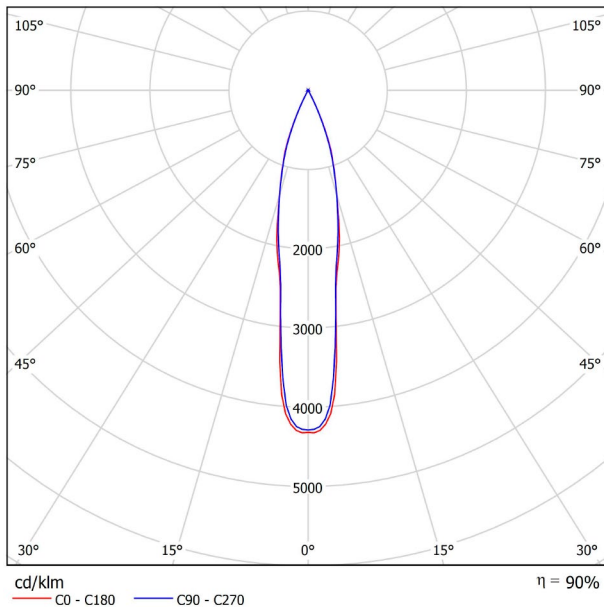
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

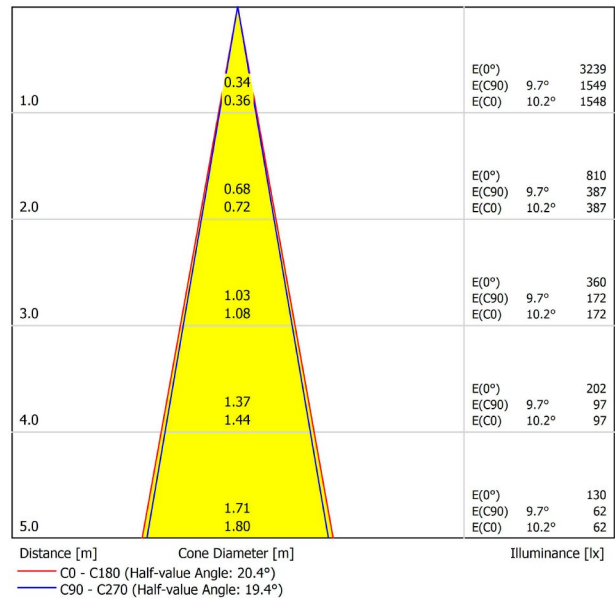


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POLAR DIAGRAM



CONICAL DIAGRAM

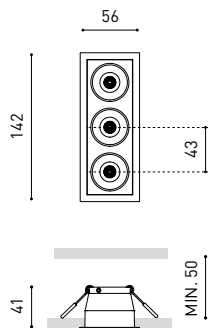


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	6.0	6.7	6.2	6.9	7.1	6.1	6.8	6.3	7.0	7.2	
	3H	9.6	10.2	9.8	10.4	10.6	9.6	10.3	9.9	10.5	10.7	
	4H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6	
	6H	13.5	14.1	13.9	14.4	14.7	13.6	14.1	13.9	14.4	14.7	
	8H	14.8	15.3	15.1	15.6	15.9	14.9	15.4	15.2	15.7	16.0	
4H	12H	16.1	16.6	16.5	16.9	17.2	16.2	16.7	16.6	17.0	17.3	
	2H	7.0	7.6	7.3	7.9	8.1	7.1	7.7	7.4	7.9	8.2	
	3H	10.9	11.4	11.2	11.7	12.0	10.9	11.4	11.2	11.7	12.0	
	4H	12.9	13.3	13.3	13.7	14.0	13.0	13.5	13.4	13.8	14.1	
	6H	15.2	15.5	15.6	15.9	16.3	15.2	15.6	15.6	15.9	16.3	
8H	8H	16.5	16.8	16.9	17.2	17.6	16.6	16.9	17.0	17.3	17.7	
	12H	18.0	18.3	18.4	18.7	19.1	18.1	18.4	18.5	18.8	19.2	
	4H	13.7	14.1	14.2	14.4	14.8	13.8	14.2	14.3	14.5	14.9	
	6H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	17.0	17.4	
	8H	17.8	18.0	18.2	18.4	18.9	17.9	18.1	18.3	18.5	19.0	
12H	12H	19.4	19.6	19.9	20.1	20.6	19.5	19.7	20.0	20.2	20.7	
	4H	14.0	14.3	14.4	14.7	15.1	14.1	14.4	14.5	14.8	15.2	
	6H	16.6	16.8	17.1	17.3	17.8	16.7	16.9	17.1	17.3	17.8	
	8H	18.2	18.4	18.7	18.9	19.4	18.3	18.5	18.8	18.9	19.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT 4000K NMG
Reference	A3193112NMG
Color	Matt black-Metallized gold
RAL	Metallic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - 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

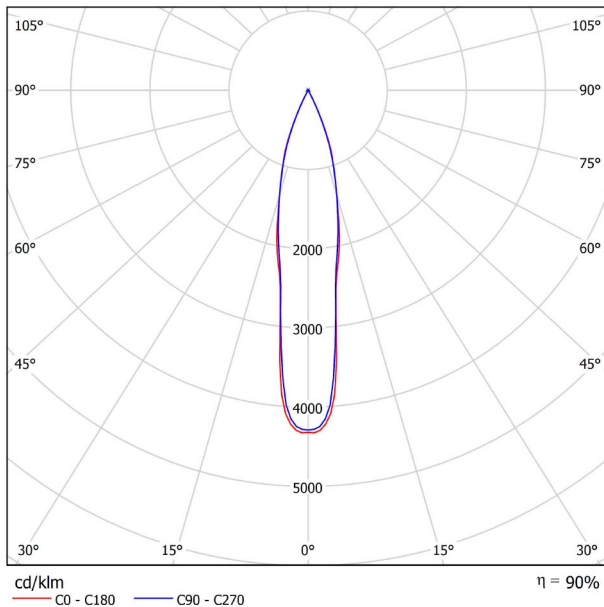
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	315 g.
Packaged weight	385 g.
Packaging dimensions	168 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

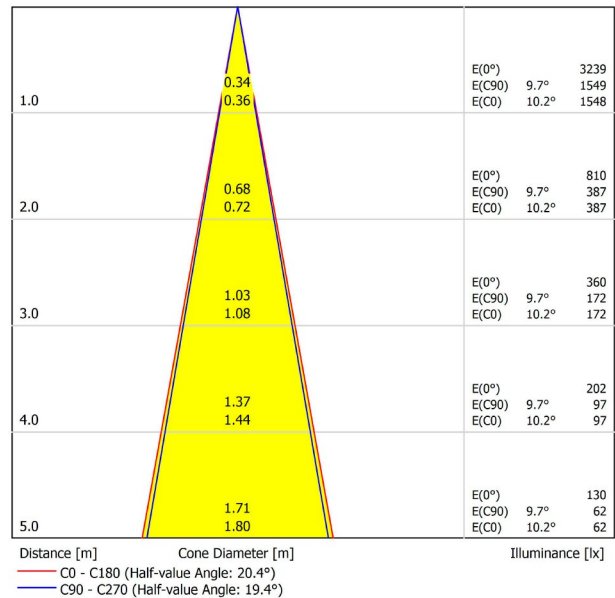


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

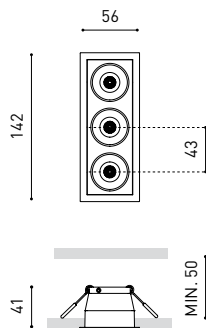


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	50	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	6.0	6.7	6.2	6.9	7.1	6.1	6.8	6.3	7.0	7.2	
	3H	9.6	10.2	9.8	10.4	10.6	9.6	10.3	9.9	10.5	10.7	
	4H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6	
	6H	13.5	14.1	13.9	14.4	14.7	13.6	14.1	13.9	14.4	14.7	
	8H	14.8	15.3	15.1	15.6	15.9	14.9	15.4	15.2	15.7	16.0	
4H	12H	16.1	16.6	16.5	16.9	17.2	16.2	16.7	16.6	17.0	17.3	
	2H	7.0	7.6	7.3	7.9	8.1	7.1	7.7	7.4	7.9	8.2	
	3H	10.9	11.4	11.2	11.7	12.0	10.9	11.4	11.2	11.7	12.0	
	4H	12.9	13.3	13.3	13.7	14.0	13.0	13.5	13.4	13.8	14.1	
	6H	15.2	15.5	15.6	15.9	16.3	15.2	15.6	15.6	15.9	16.3	
8H	8H	16.5	16.8	16.9	17.2	17.6	16.6	16.9	17.0	17.3	17.7	
	12H	18.0	18.3	18.4	18.7	19.1	18.1	18.4	18.5	18.8	19.2	
	4H	13.7	14.1	14.2	14.4	14.8	13.8	14.2	14.3	14.5	14.9	
	6H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	17.0	17.4	
	8H	17.8	18.0	18.2	18.4	18.9	17.9	18.1	18.3	18.5	19.0	
12H	12H	19.4	19.6	19.9	20.1	20.6	19.5	19.7	20.0	20.2	20.7	
	4H	14.0	14.3	14.4	14.7	15.1	14.1	14.4	14.5	14.8	15.2	
	6H	16.6	16.8	17.1	17.3	17.8	16.7	16.9	17.1	17.3	17.8	
	8H	18.2	18.4	18.7	18.9	19.4	18.3	18.5	18.8	18.9	19.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 4000K WN
Reference	A3193142WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,24 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

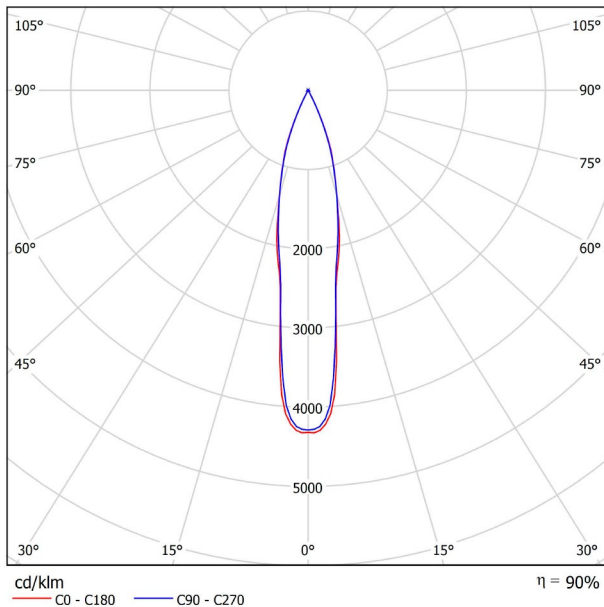
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

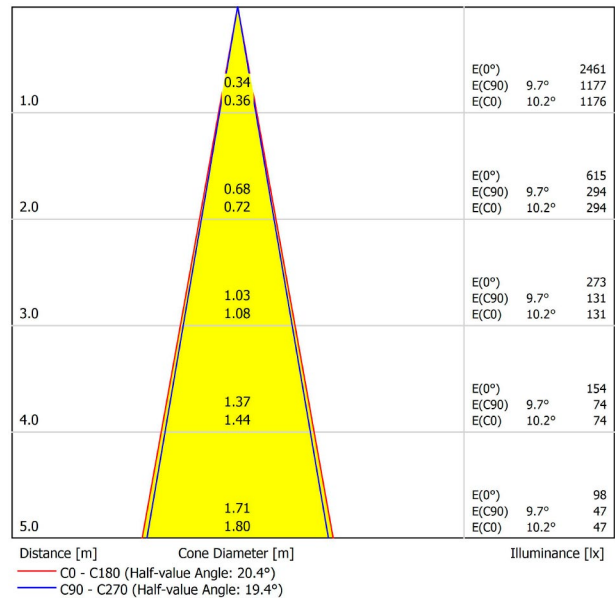


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

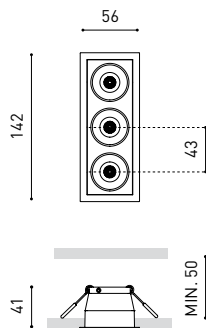


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
12H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 3000K WN
Reference	A3193121WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

LED

630 Lm

6,3 W

7,16 W

3000 K

CRI>90

MacAdam Step 3

19°

90%

100 Lm/W

700 mA

Push

Please Consult

Included - Connected

Please Consult



220 V/240 V

50/60 Hz

A+

L80B10 (Tc=85°C) >60.000h

OTHER DATA

IP20

50 × 136 mm.

325 g.

420 g.

168 × 98 × 74 mm

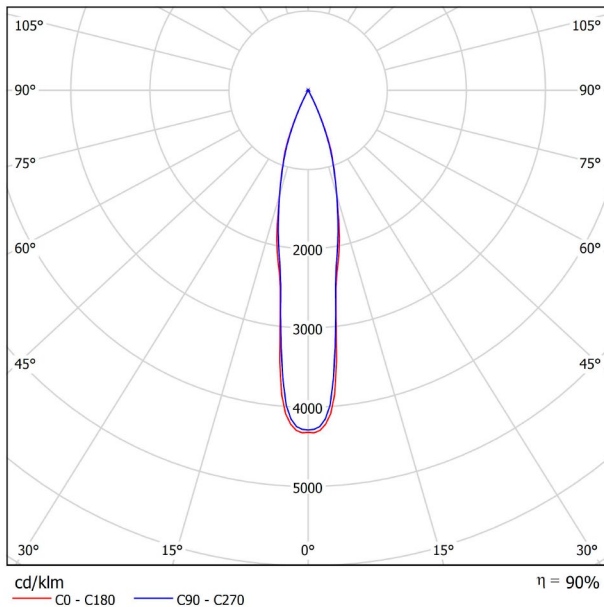
1

Aluminium / Acrylonitrile Butadiene Styrene

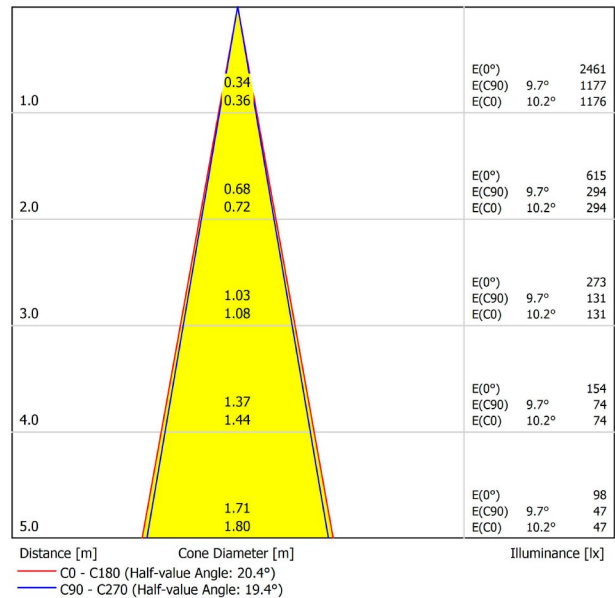


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POLAR DIAGRAM



CONICAL DIAGRAM

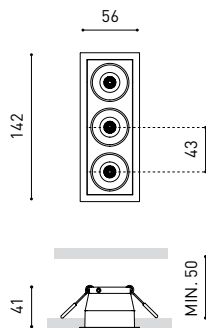


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 4000K N
Reference	A3193122N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,16 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

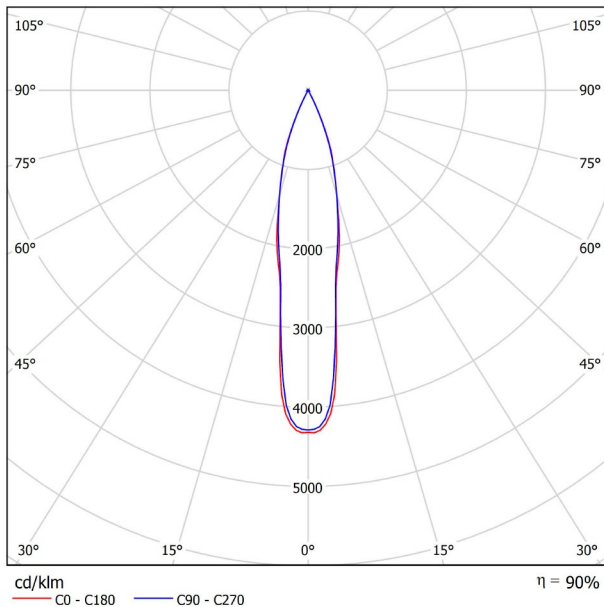
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

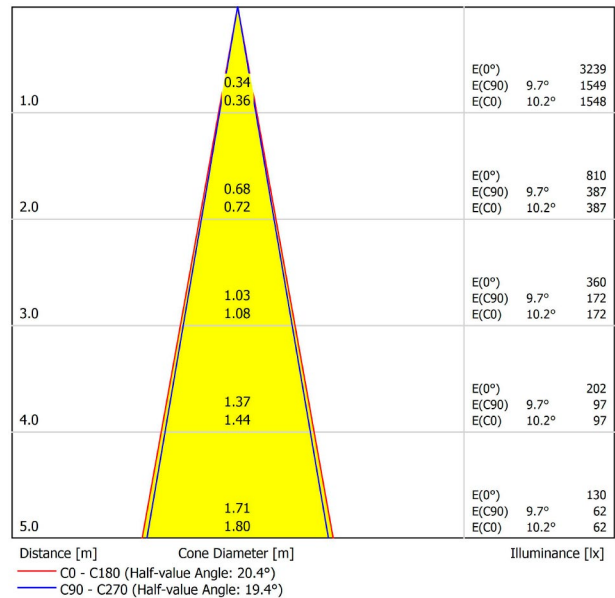


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POLAR DIAGRAM



CONICAL DIAGRAM

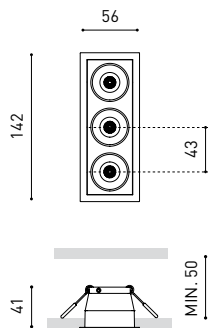


UGR

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	6.0	6.7	6.2	6.9	7.1	6.1	6.8	6.3	7.0	7.2	
	3H	9.6	10.2	9.8	10.4	10.6	9.6	10.3	9.9	10.5	10.7	
	4H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6	
	6H	13.5	14.1	13.9	14.4	14.7	13.6	14.1	13.9	14.4	14.7	
	8H	14.8	15.3	15.1	15.6	15.9	14.9	15.4	15.2	15.7	16.0	
4H	12H	16.1	16.6	16.5	16.9	17.2	16.2	16.7	16.6	17.0	17.3	
	2H	7.0	7.6	7.3	7.9	8.1	7.1	7.7	7.4	7.9	8.2	
	3H	10.9	11.4	11.2	11.7	12.0	10.9	11.4	11.2	11.7	12.0	
	4H	12.9	13.3	13.3	13.7	14.0	13.0	13.5	13.4	13.8	14.1	
	6H	15.2	15.5	15.6	15.9	16.3	15.2	15.6	15.6	15.9	16.3	
8H	8H	16.5	16.8	16.9	17.2	17.6	16.6	16.9	17.0	17.3	17.7	
	12H	18.0	18.3	18.4	18.7	19.1	18.1	18.4	18.5	18.8	19.2	
	4H	13.7	14.1	14.2	14.4	14.8	13.8	14.2	14.3	14.5	14.9	
	6H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	17.0	17.4	
	8H	17.8	18.0	18.2	18.4	18.9	17.9	18.1	18.3	18.5	19.0	
12H	12H	19.4	19.6	19.9	20.1	20.6	19.5	19.7	20.0	20.2	20.7	
	4H	14.0	14.3	14.4	14.7	15.1	14.1	14.4	14.5	14.8	15.2	
	6H	16.6	16.8	17.1	17.3	17.8	16.7	16.9	17.1	17.3	17.8	
	8H	18.2	18.4	18.7	18.9	19.4	18.3	18.5	18.8	18.9	19.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 4000K NMG
Reference	A3193122NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
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

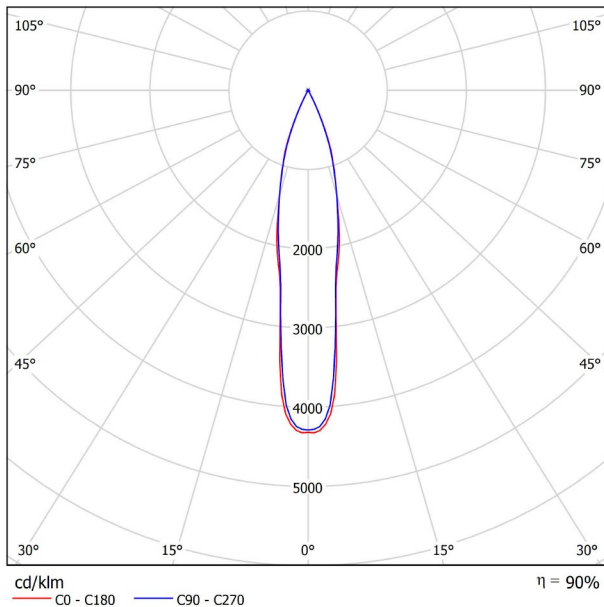
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

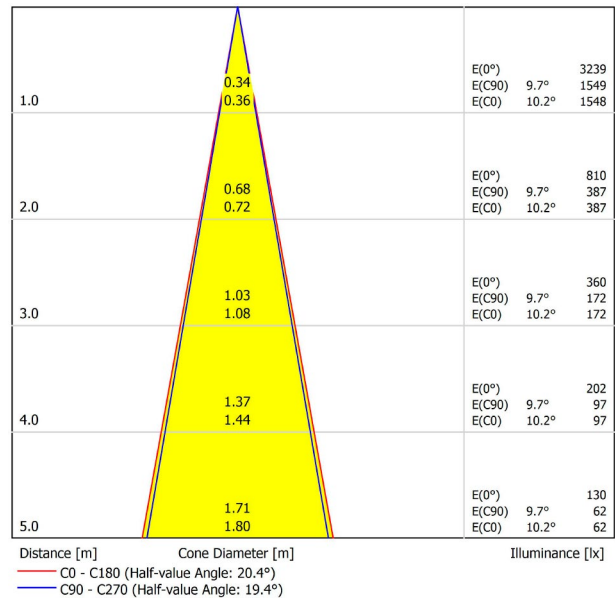


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

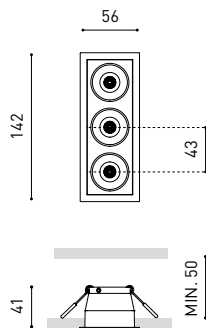


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	6.0	6.7	6.2	6.9	7.1	6.1	6.8	6.3	7.0	7.2	
	3H	9.6	10.2	9.8	10.4	10.6	9.6	10.3	9.9	10.5	10.7	
	4H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6	
	6H	13.5	14.1	13.9	14.4	14.7	13.6	14.1	13.9	14.4	14.7	
	8H	14.8	15.3	15.1	15.6	15.9	14.9	15.4	15.2	15.7	16.0	
4H	12H	16.1	16.6	16.5	16.9	17.2	16.2	16.7	16.6	17.0	17.3	
	2H	7.0	7.6	7.3	7.9	8.1	7.1	7.7	7.4	7.9	8.2	
	3H	10.9	11.4	11.2	11.7	12.0	10.9	11.4	11.2	11.7	12.0	
	4H	12.9	13.3	13.3	13.7	14.0	13.0	13.5	13.4	13.8	14.1	
	6H	15.2	15.5	15.6	15.9	16.3	15.2	15.6	15.6	15.9	16.3	
8H	8H	16.5	16.8	16.9	17.2	17.6	16.6	16.9	17.0	17.3	17.7	
	12H	18.0	18.3	18.4	18.7	19.1	18.1	18.4	18.5	18.8	19.2	
	4H	13.7	14.1	14.2	14.4	14.8	13.8	14.2	14.3	14.5	14.9	
	6H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	17.0	17.4	
	8H	17.8	18.0	18.2	18.4	18.9	17.9	18.1	18.3	18.5	19.0	
12H	12H	19.4	19.6	19.9	20.1	20.6	19.5	19.7	20.0	20.2	20.7	
	4H	14.0	14.3	14.4	14.7	15.1	14.1	14.4	14.5	14.8	15.2	
	6H	16.6	16.8	17.1	17.3	17.8	16.7	16.9	17.1	17.3	17.8	
	8H	18.2	18.4	18.7	18.9	19.4	18.3	18.5	18.8	18.9	19.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM PUSH 4000K WN
Reference	A3193122WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,16 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

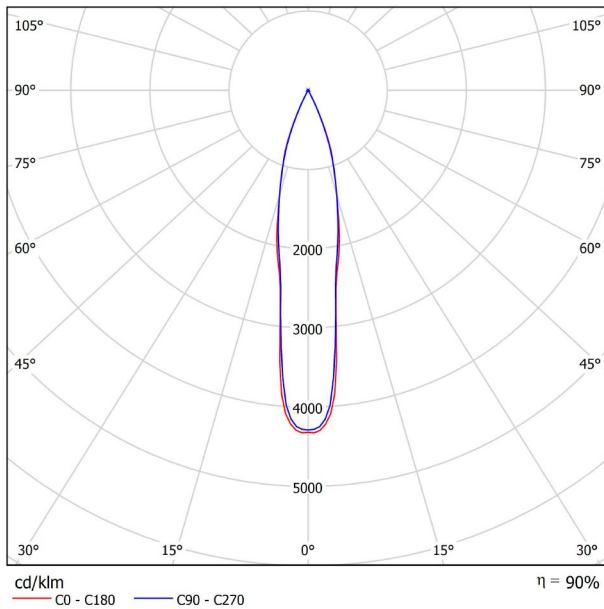
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

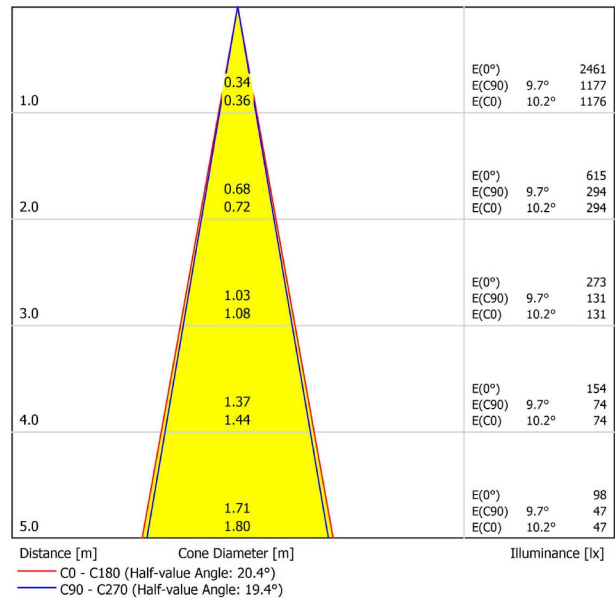


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POLAR DIAGRAM



CONICAL DIAGRAM

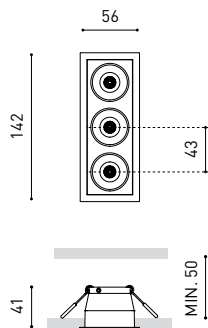


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 2700K N
Reference	A3193140N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,24 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

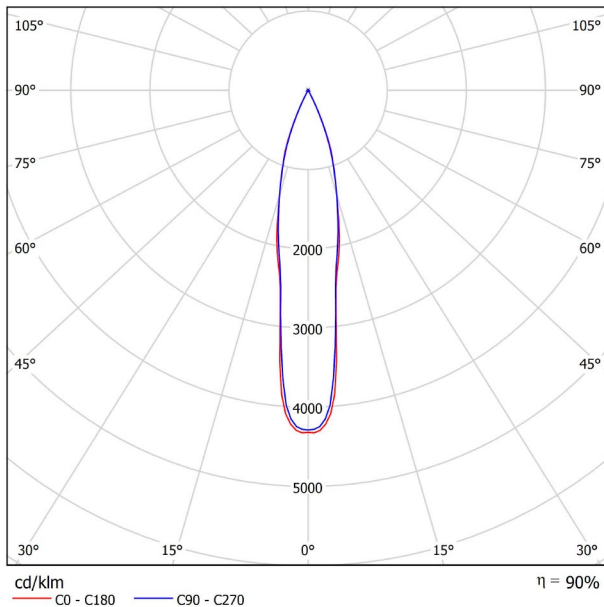
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

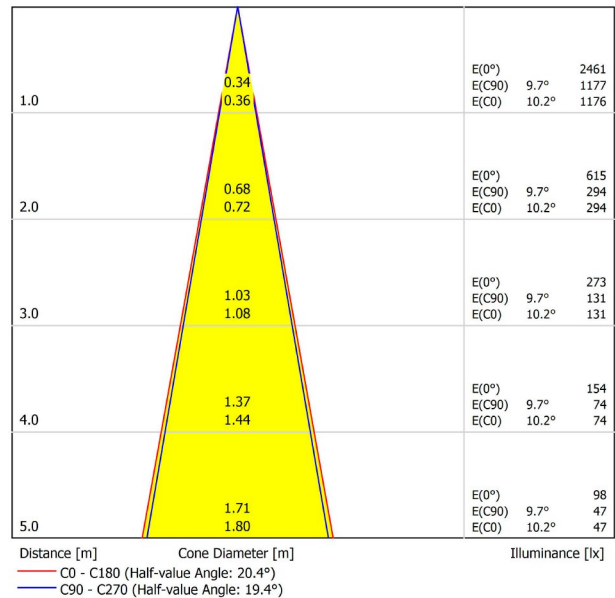


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POLAR DIAGRAM



CONICAL DIAGRAM

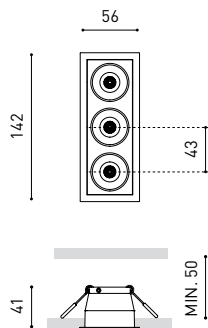


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 2700K NMG
Reference	A3193140NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	90 Lm/W
Current intensity	700 mA
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

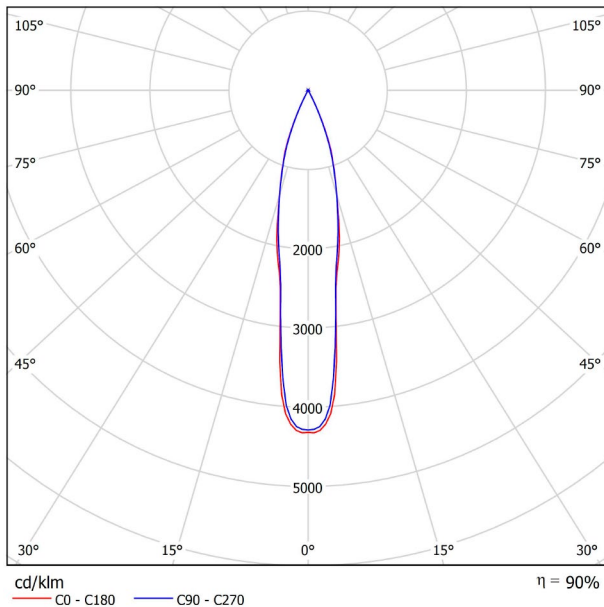
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

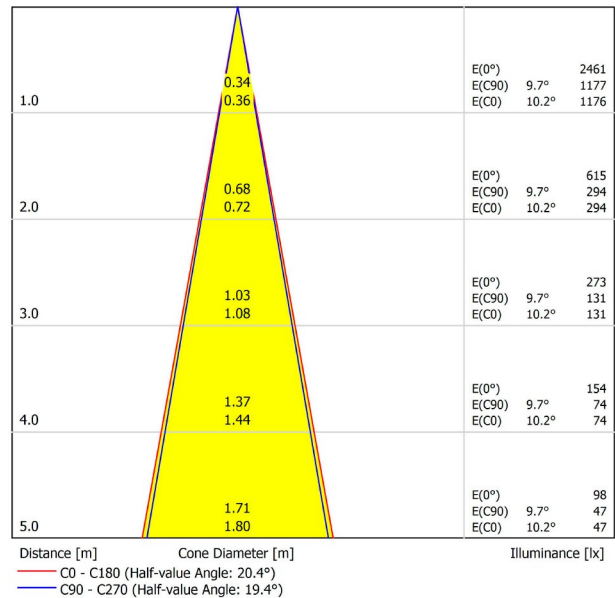


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POLAR DIAGRAM



CONICAL DIAGRAM

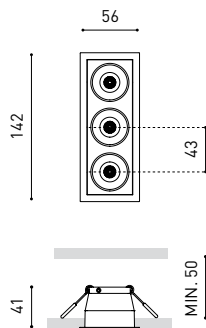


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 2700K WN
Reference	A3193140WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

BLACK FOSTER REC 3 SPOT DIM DALI 2700K WN

A3193140WN

White-Black

Colour in the mass looks alike RAL 9016 & 9005

CEILING RECESSED

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	570 Lm
Power	6,3 W
Power values of the system	7,24 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

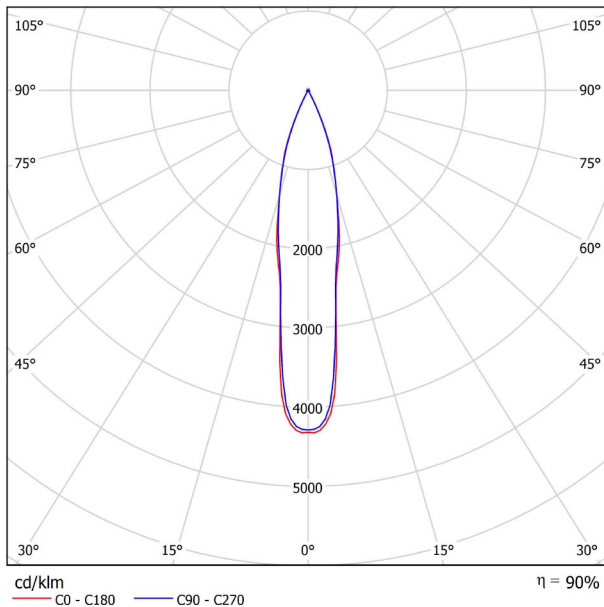
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

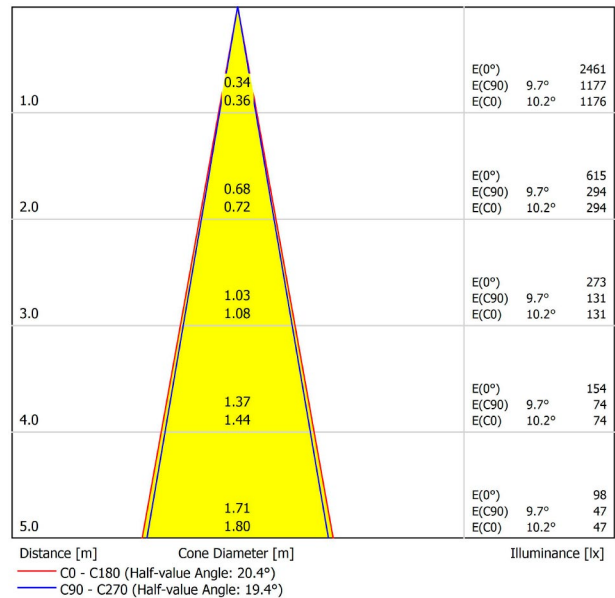


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POLAR DIAGRAM



CONICAL DIAGRAM

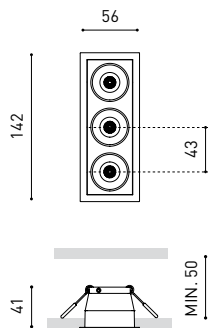


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
	8H	17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 3000K N
Reference	A3193141N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,24 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

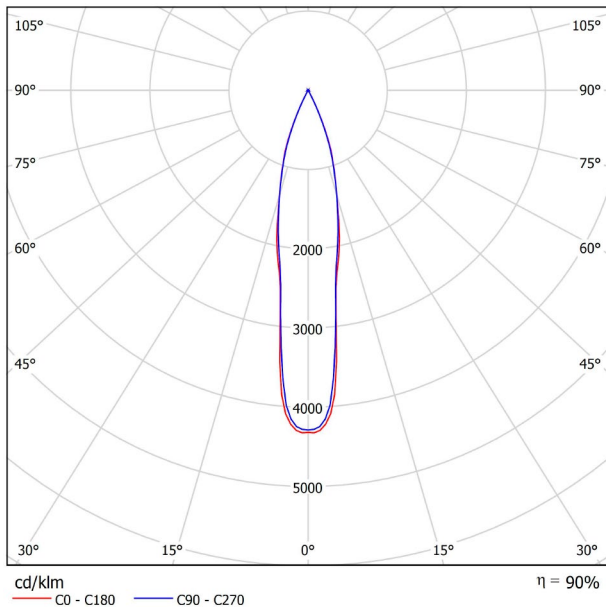
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

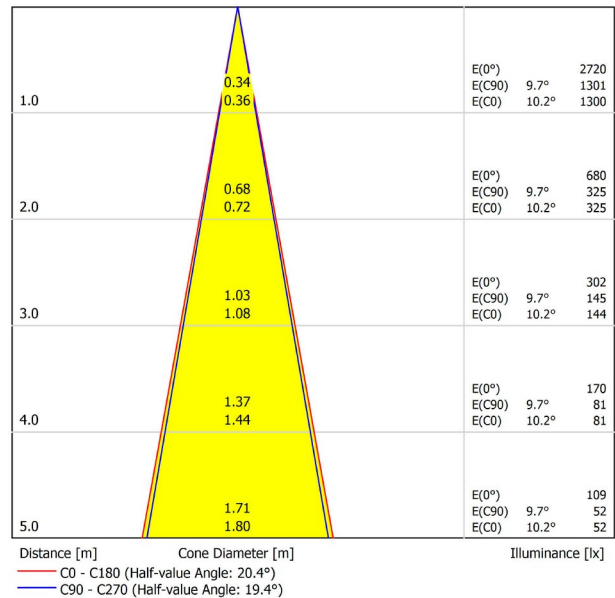


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

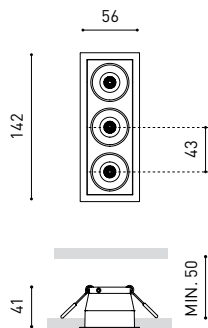


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
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	5.4	6.1	5.6	6.3	6.5	5.5	6.2	5.7	6.4	6.6	
	3H	8.9	9.6	9.2	9.8	10.0	9.0	9.6	9.3	9.9	10.1	
	4H	10.8	11.4	11.1	11.7	11.9	10.9	11.5	11.2	11.8	12.0	
	6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1	
	8H	14.2	14.7	14.5	15.0	15.3	14.2	14.8	14.6	15.1	15.4	
4H	12H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	16.0	16.4	16.7	
	2H	6.4	7.0	6.7	7.3	7.5	6.5	7.1	6.8	7.3	7.6	
	3H	10.2	10.7	10.6	11.1	11.4	10.3	10.8	10.6	11.1	11.4	
	4H	12.3	12.7	12.7	13.1	13.4	12.4	12.9	12.8	13.2	13.5	
	6H	14.6	14.9	15.0	15.3	15.7	14.6	15.0	15.0	15.3	15.7	
8H	8H	15.9	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.1	
	12H	17.4	17.7	17.8	18.1	18.5	17.5	17.8	17.9	18.2	18.6	
	4H	13.1	13.5	13.6	13.8	14.2	13.2	13.6	13.7	13.9	14.3	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.4	16.8	
	8H	17.2	17.4	17.6	17.8	18.3	17.2	17.5	17.7	17.9	18.4	
12H	12H	18.8	19.0	19.3	19.5	20.0	18.9	19.1	19.4	19.6	20.0	
	4H	13.4	13.7	13.8	14.1	14.5	13.5	13.8	13.9	14.2	14.6	
	6H	16.0	16.2	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 630lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 3000K NMG
Reference	A3193141NMG
Color	Matt black-Metallized gold
RAL	Metallc finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

LED

630 Lm

6,3 W

7,00 W

3000 K

CRI>90

MacAdam Step 3

19°

90%

100 Lm/W

700 mA

DALI

Please Consult

Included - Connected

Please Consult



220 V/240 V

50/60 Hz

A+

L80B10 (Tc=85°C) >60.000h

OTHER DATA

IP20

50 × 136 mm.

325 g.

420 g.

168 × 98 × 74 mm

1

Aluminium / Acrylonitrile Butadiene Styrene

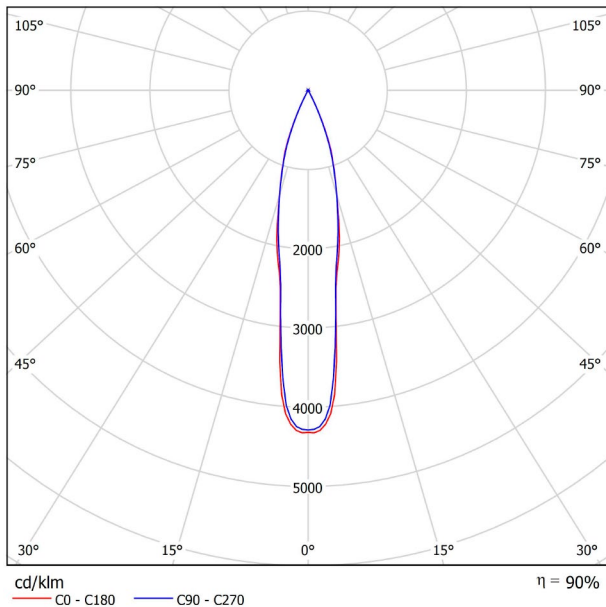


Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	DALI
Control through bluetooth	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

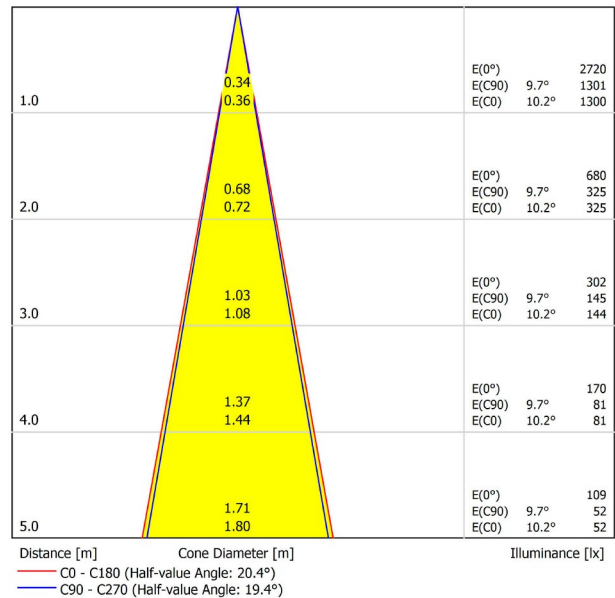
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

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

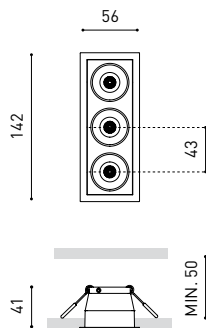


UGR

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	5.4	6.1	5.6	6.3	6.5	5.5	6.2	5.7	6.4	6.6	
	3H	8.9	9.6	9.2	9.8	10.0	9.0	9.6	9.3	9.9	10.1	
	4H	10.8	11.4	11.1	11.7	11.9	10.9	11.5	11.2	11.8	12.0	
	6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1	
	8H	14.2	14.7	14.5	15.0	15.3	14.2	14.8	14.6	15.1	15.4	
4H	12H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	16.0	16.4	16.7	
	2H	6.4	7.0	6.7	7.3	7.5	6.5	7.1	6.8	7.3	7.6	
	3H	10.2	10.7	10.6	11.1	11.4	10.3	10.8	10.6	11.1	11.4	
	4H	12.3	12.7	12.7	13.1	13.4	12.4	12.9	12.8	13.2	13.5	
	6H	14.6	14.9	15.0	15.3	15.7	14.6	15.0	15.0	15.3	15.7	
8H	8H	15.9	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.1	
	12H	17.4	17.7	17.8	18.1	18.5	17.5	17.8	17.9	18.2	18.6	
	4H	13.1	13.5	13.6	13.8	14.2	13.2	13.6	13.7	13.9	14.3	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.1	16.4	16.8	
	8H	17.2	17.4	17.6	17.8	18.3	17.2	17.5	17.7	17.9	18.4	
12H	12H	18.8	19.0	19.3	19.5	20.0	18.9	19.1	19.4	19.6	20.0	
	4H	13.4	13.7	13.8	14.1	14.5	13.5	13.8	13.9	14.2	14.6	
	6H	16.0	16.2	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
	8H	17.6	17.8	18.1	18.3	18.7	17.7	17.9	18.2	18.3	18.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 630lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 3000K WN
Reference	A3193141WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

BLACK FOSTER REC 3 SPOT DIM DALI 3000K WN
A3193141WN
White-Black
Colour in the mass looks alike RAL 9016 & 9005
CEILING RECESSED

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	630 Lm
Power	6,3 W
Power values of the system	7,24 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

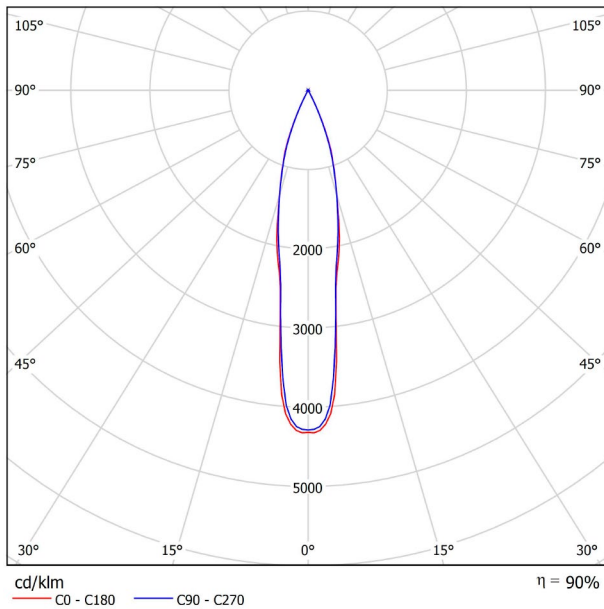
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

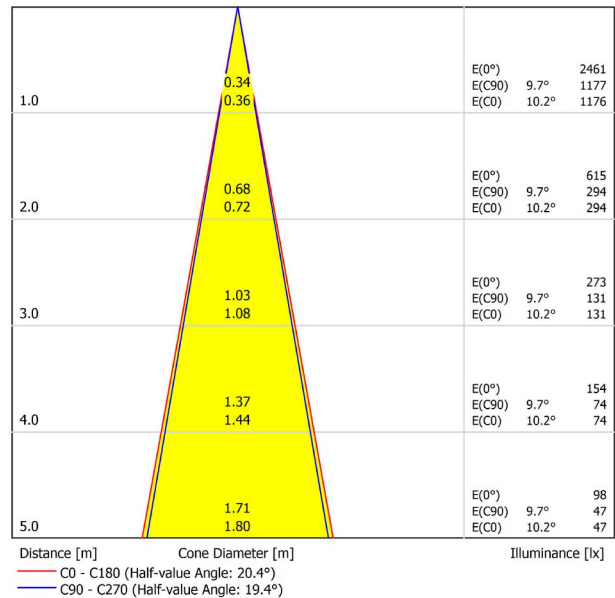


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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

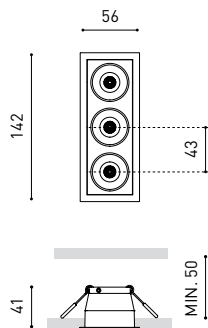


UGR

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	5.0	5.7	5.3	5.9	6.1	5.1	5.8	5.4	6.0	6.2	
	3H	8.6	9.2	8.9	9.5	9.7	8.7	9.3	9.0	9.5	9.8	
	4H	10.5	11.1	10.8	11.3	11.6	10.6	11.2	10.9	11.4	11.7	
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.2	12.9	13.4	13.7	
	8H	13.8	14.3	14.1	14.6	14.9	13.9	14.4	14.2	14.7	15.0	
4H	12H	15.2	15.7	15.5	16.0	16.3	15.3	15.8	15.6	16.1	16.4	
	2H	6.1	6.7	6.4	6.9	7.2	6.1	6.7	6.4	7.0	7.3	
	3H	9.9	10.4	10.2	10.7	11.0	9.9	10.4	10.3	10.7	11.1	
	4H	11.9	12.4	12.3	12.7	13.1	12.1	12.5	12.5	12.8	13.2	
	6H	14.2	14.6	14.6	15.0	15.3	14.3	14.6	14.7	15.0	15.4	
8H	8H	15.6	15.9	16.0	16.3	16.7	15.6	16.0	16.1	16.4	16.8	
	12H	17.0	17.3	17.5	17.7	18.1	17.1	17.4	17.6	17.8	18.2	
	4H	12.8	13.1	13.2	13.5	13.9	12.9	13.2	13.3	13.6	14.0	
	6H	15.3	15.6	15.8	16.0	16.4	15.3	15.6	15.8	16.0	16.5	
	8H	16.8	17.0	17.3	17.5	17.9	16.9	17.1	17.4	17.5	18.0	
12H	12H	18.5	18.7	19.0	19.1	19.6	18.6	18.7	19.1	19.2	19.7	
	4H	13.0	13.3	13.5	13.7	14.1	13.1	13.4	13.6	13.8	14.2	
	6H	15.7	15.9	16.1	16.3	16.8	15.7	15.9	16.2	16.4	16.8	
8H		17.3	17.4	17.8	17.9	18.4	17.3	17.5	17.8	18.0	18.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 570lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 4000K N
Reference	A3193142N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,24 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

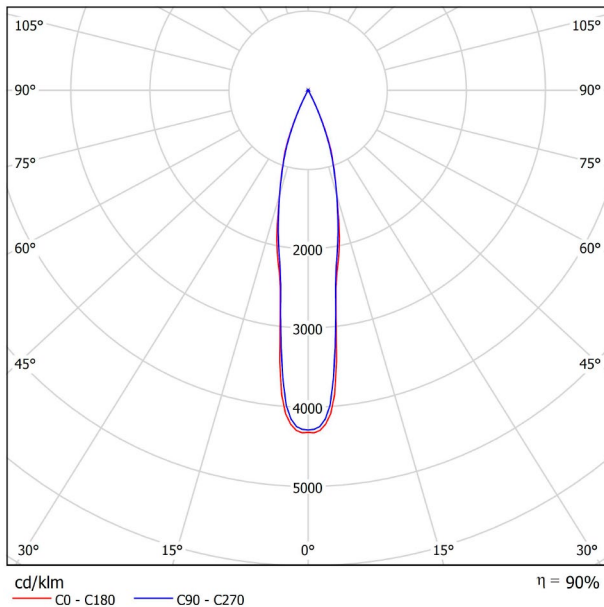
Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

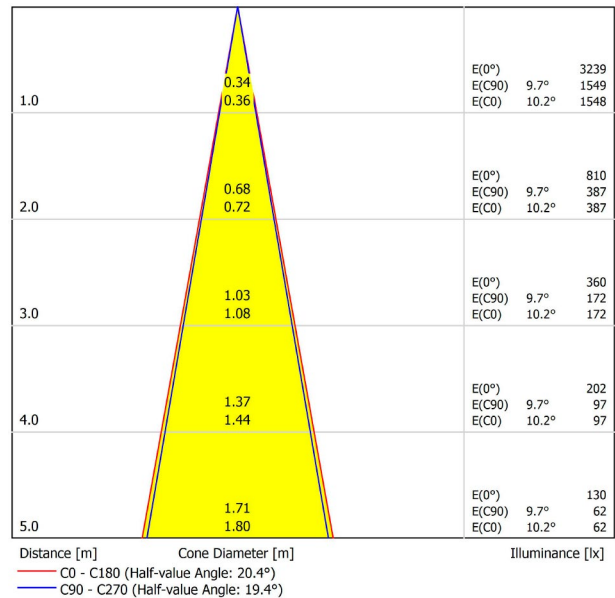


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POLAR DIAGRAM



CONICAL DIAGRAM

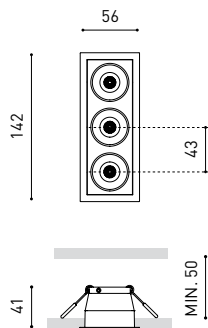


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	6.0	6.7	6.2	6.9	7.1	6.1	6.8	6.3	7.0	7.2	
	3H	9.6	10.2	9.8	10.4	10.6	9.6	10.3	9.9	10.5	10.7	
	4H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6	
	6H	13.5	14.1	13.9	14.4	14.7	13.6	14.1	13.9	14.4	14.7	
	8H	14.8	15.3	15.1	15.6	15.9	14.9	15.4	15.2	15.7	16.0	
4H	12H	16.1	16.6	16.5	16.9	17.2	16.2	16.7	16.6	17.0	17.3	
	2H	7.0	7.6	7.3	7.9	8.1	7.1	7.7	7.4	7.9	8.2	
	3H	10.9	11.4	11.2	11.7	12.0	10.9	11.4	11.2	11.7	12.0	
	4H	12.9	13.3	13.3	13.7	14.0	13.0	13.5	13.4	13.8	14.1	
	6H	15.2	15.5	15.6	15.9	16.3	15.2	15.6	15.6	15.9	16.3	
8H	8H	16.5	16.8	16.9	17.2	17.6	16.6	16.9	17.0	17.3	17.7	
	12H	18.0	18.3	18.4	18.7	19.1	18.1	18.4	18.5	18.8	19.2	
	4H	13.7	14.1	14.2	14.4	14.8	13.8	14.2	14.3	14.5	14.9	
	6H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	17.0	17.4	
	8H	17.8	18.0	18.2	18.4	18.9	17.9	18.1	18.3	18.5	19.0	
12H	12H	19.4	19.6	19.9	20.1	20.6	19.5	19.7	20.0	20.2	20.7	
	4H	14.0	14.3	14.4	14.7	15.1	14.1	14.4	14.5	14.8	15.2	
	6H	16.6	16.8	17.1	17.3	17.8	16.7	16.9	17.1	17.3	17.8	
	8H	18.2	18.4	18.7	18.9	19.4	18.3	18.5	18.8	18.9	19.4	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 750lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 3 SPOT DIM DALI 4000K NMG
Reference	A3193142NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	750 Lm
Power	6,3 W
Power values of the system	7,00 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
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

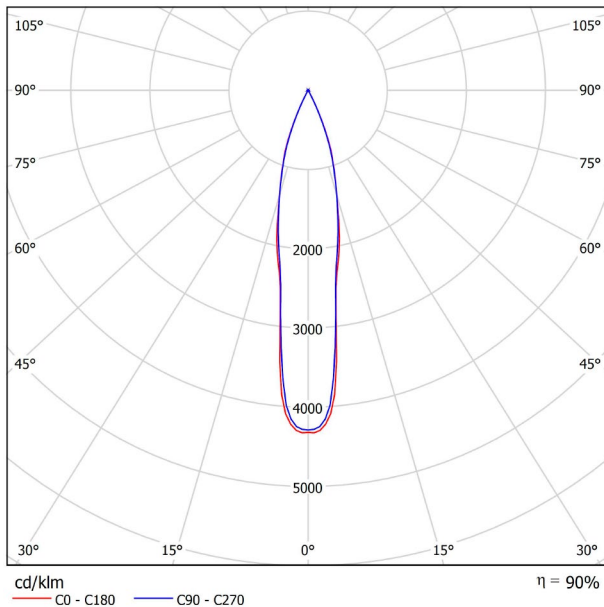
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 136 mm.
Weight	325 g.
Packaged weight	420 g.
Packaging dimensions	168 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

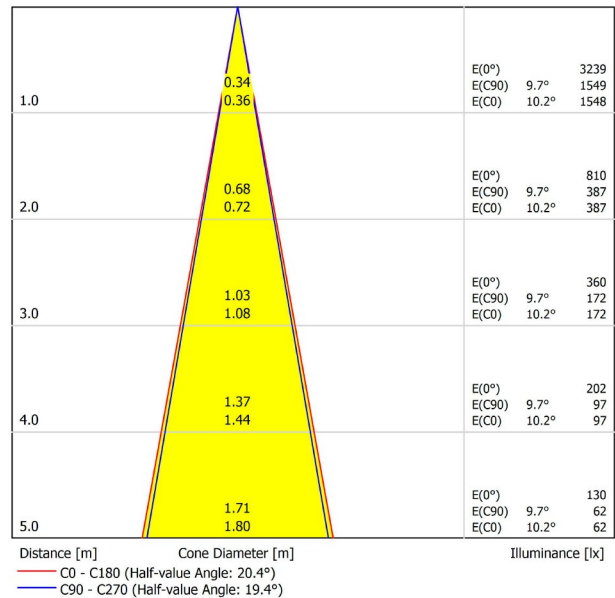


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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	6.0	6.7	6.2	6.9	7.1	6.1	6.8	6.3	7.0	7.2	
	3H	9.6	10.2	9.8	10.4	10.6	9.6	10.3	9.9	10.5	10.7	
	4H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6	
	6H	13.5	14.1	13.9	14.4	14.7	13.6	14.1	13.9	14.4	14.7	
	8H	14.8	15.3	15.1	15.6	15.9	14.9	15.4	15.2	15.7	16.0	
4H	12H	16.1	16.6	16.5	16.9	17.2	16.2	16.7	16.6	17.0	17.3	
	2H	7.0	7.6	7.3	7.9	8.1	7.1	7.7	7.4	7.9	8.2	
	3H	10.9	11.4	11.2	11.7	12.0	10.9	11.4	11.2	11.7	12.0	
	4H	12.9	13.3	13.3	13.7	14.0	13.0	13.5	13.4	13.8	14.1	
	6H	15.2	15.5	15.6	15.9	16.3	15.2	15.6	15.6	15.9	16.3	
8H	8H	16.5	16.8	16.9	17.2	17.6	16.6	16.9	17.0	17.3	17.7	
	12H	18.0	18.3	18.4	18.7	19.1	18.1	18.4	18.5	18.8	19.2	
	4H	13.7	14.1	14.2	14.4	14.8	13.8	14.2	14.3	14.5	14.9	
	6H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	17.0	17.4	
	8H	17.8	18.0	18.2	18.4	18.9	17.9	18.1	18.3	18.5	19.0	
12H	12H	19.4	19.6	19.9	20.1	20.6	19.5	19.7	20.0	20.2	20.7	
	4H	14.0	14.3	14.4	14.7	15.1	14.1	14.4	14.5	14.8	15.2	
	6H	16.6	16.8	17.1	17.3	17.8	16.7	16.9	17.1	17.3	17.8	
	8H	18.2	18.4	18.7	18.9	19.4	18.3	18.5	18.8	18.9	19.4	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.6					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 750lm Total Luminous Flux												