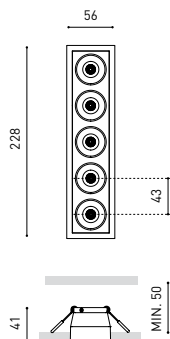




DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 3000K WN
Reference	A3194121WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

LED

1050 Lm

10,5 W

11,93 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 × 222 mm.

460 g.

585 g.

253 × 98 × 74 mm

1

Aluminium / Acrylonitrile Butadiene Styrene

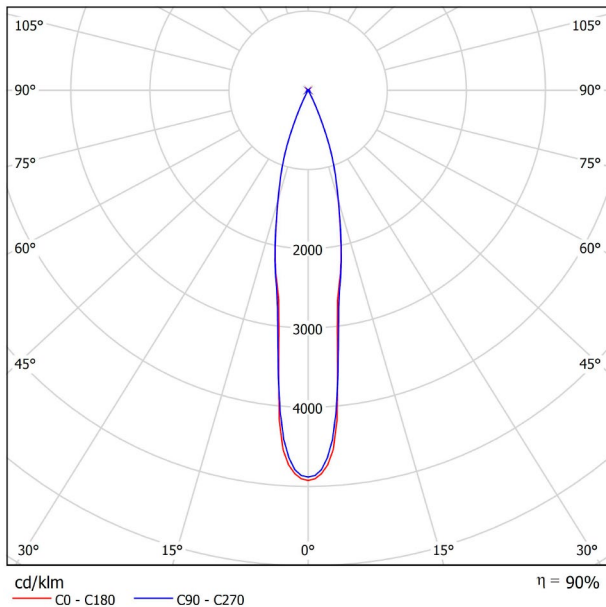


Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,93 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Dimming	Push
Control through 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

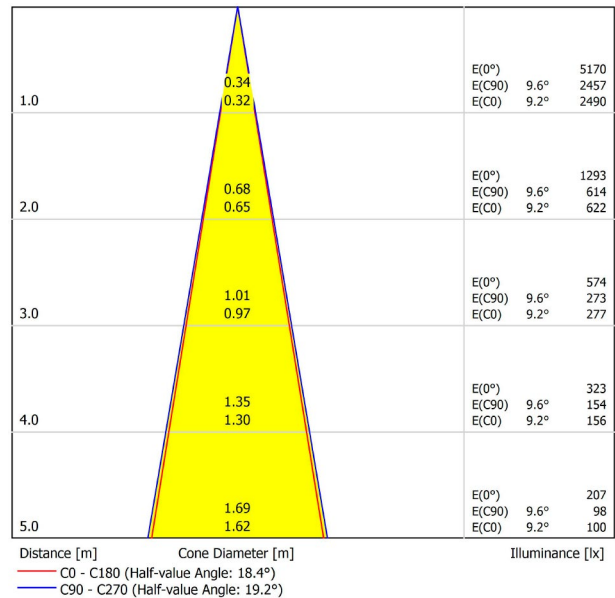
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

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

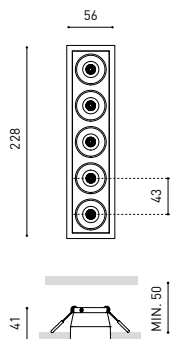


UGR

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	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
4H	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
8H	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
12H	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 2700K N
Reference	A3194110N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	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

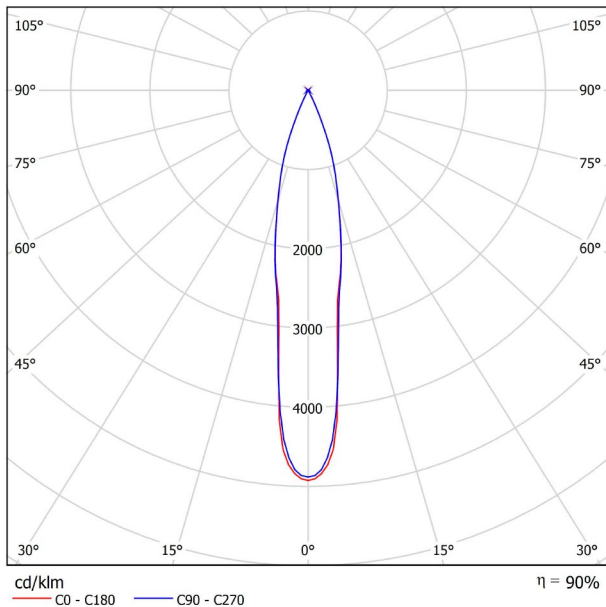
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

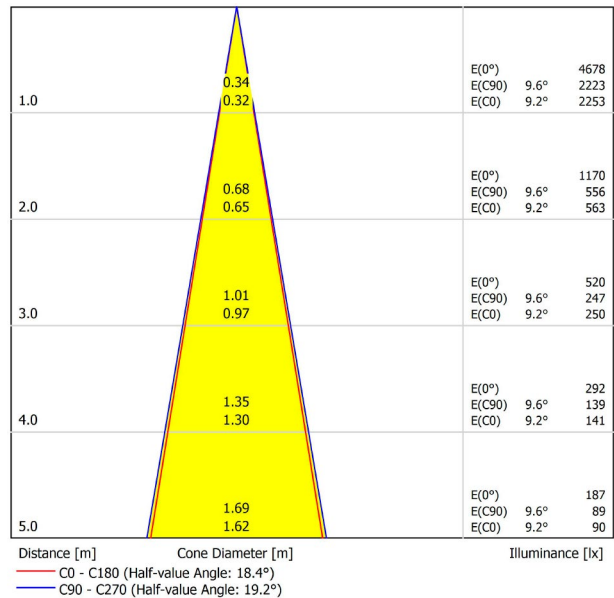


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

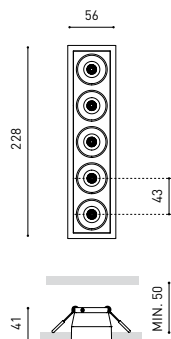


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
4H	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
8H	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
12H	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
8H		14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 2700K NMG
Reference	A3194110NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,93 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

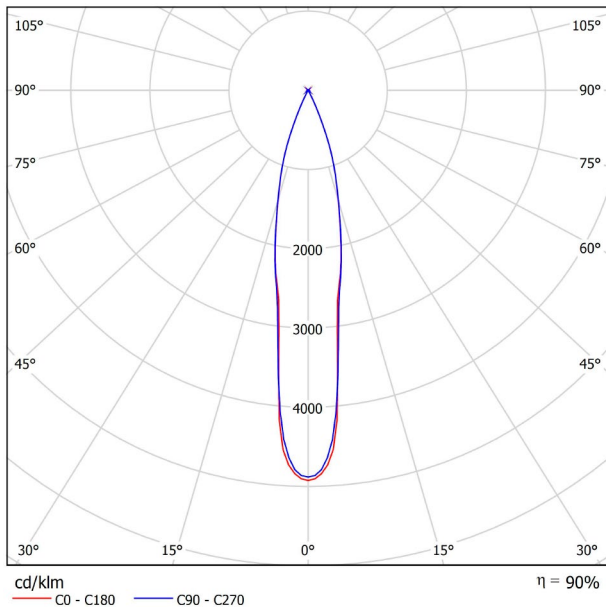
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

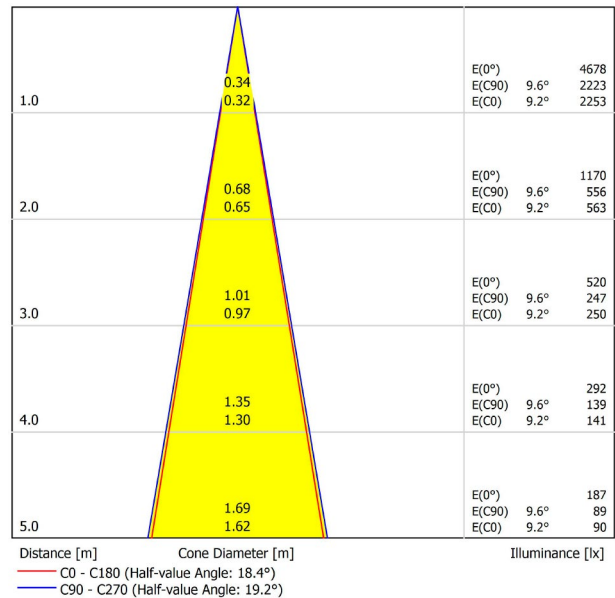


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

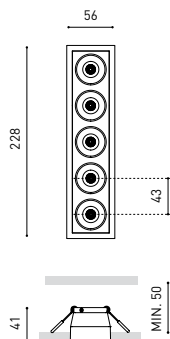


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
4H	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
8H	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
12H	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 2700K WN
Reference	A3194110WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	2700 K
Colour Rendering Index	CRI>90
Chromatic stability	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

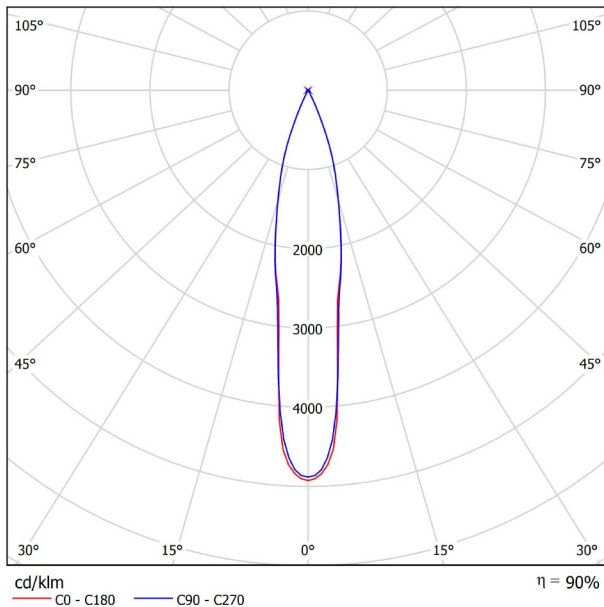
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

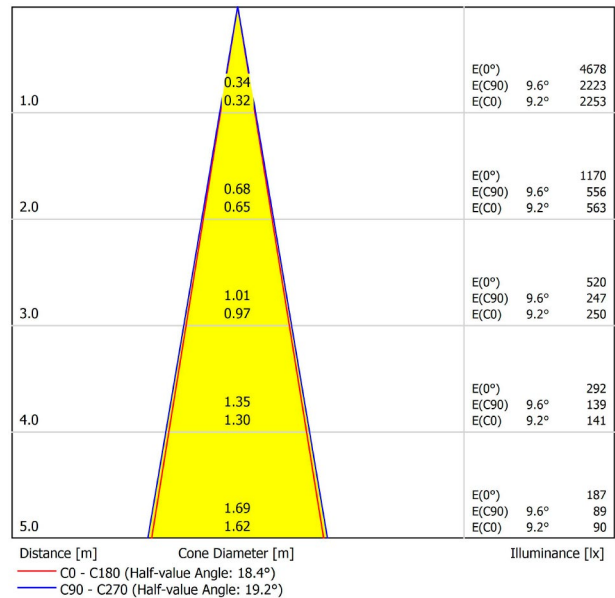


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

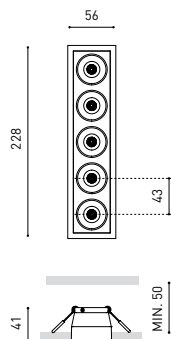


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
4H	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
8H	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
12H	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 3000K N
Reference	A3194111N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	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

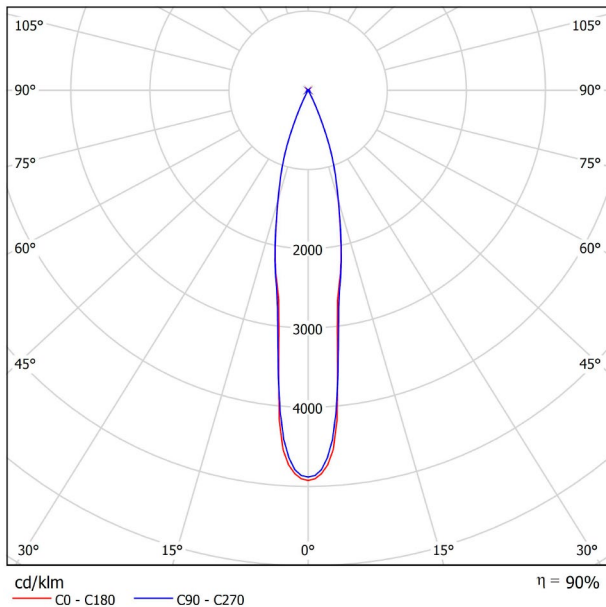
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

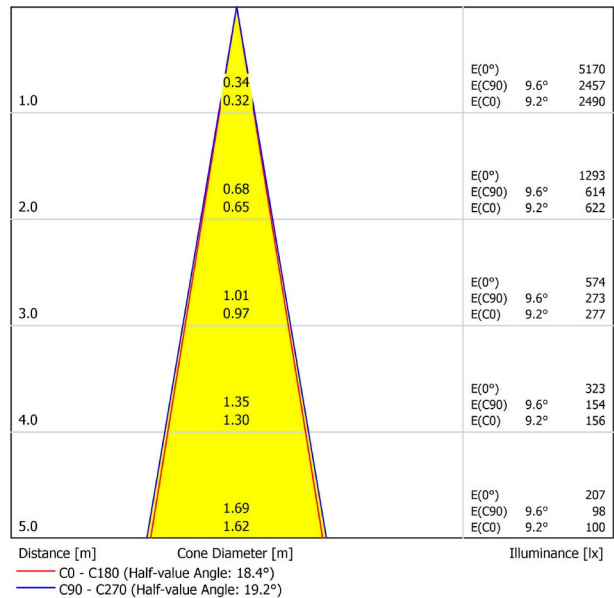


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

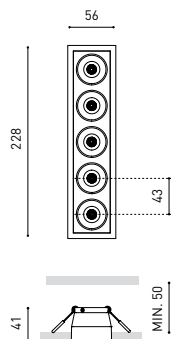


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
4H	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
8H	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
12H	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 3000K NMG
Reference	A3194111NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,93 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

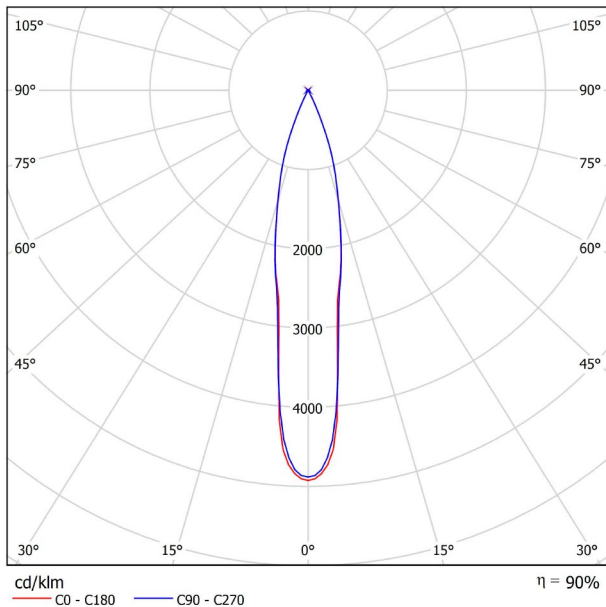
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

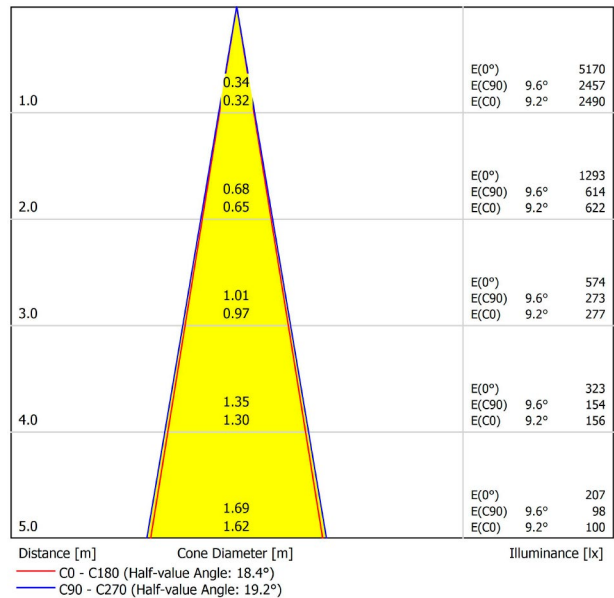


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POLAR DIAGRAM



CONICAL DIAGRAM

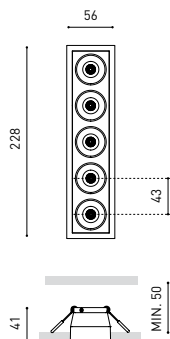


UGR

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	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
4H	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
8H	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
12H	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 3000K WN
Reference	A3194111WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

BLACK FOSTER REC 5 SPOT 3000K WN

A3194111WN

White-Black

Colour in the mass looks alike RAL 9016 & 9005

CEILING RECESSED

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	3000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	100 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - Connected
Emergency power supply	Please Consult
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A+
LED lifespan	L80B10 (Tc=85°C) >60.000h

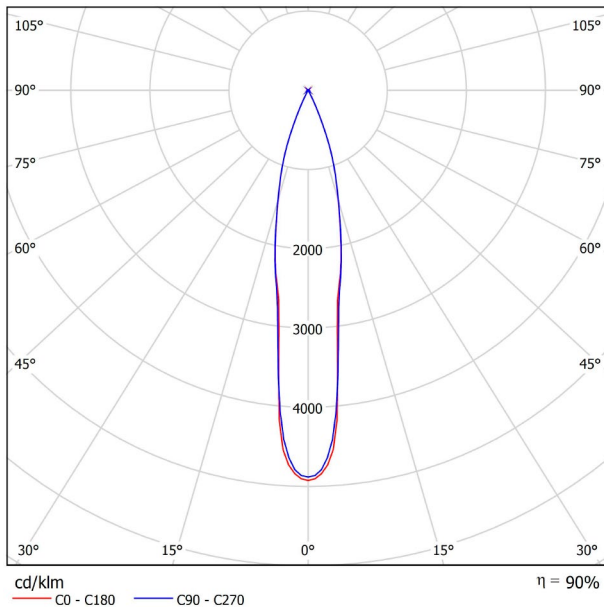
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

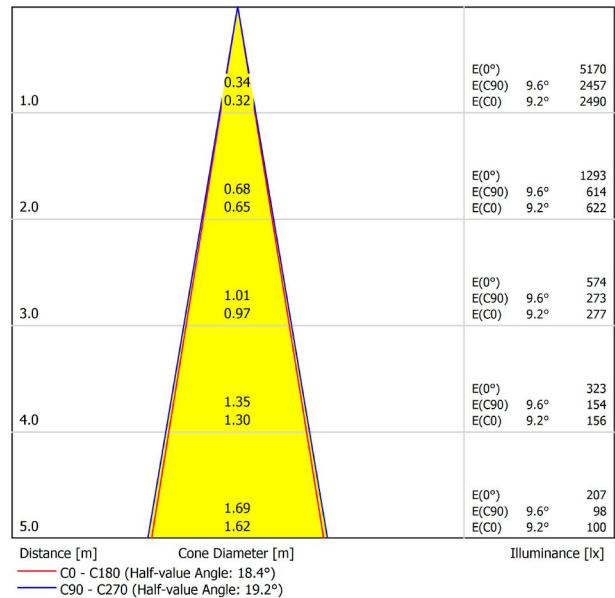


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POLAR DIAGRAM



CONICAL DIAGRAM

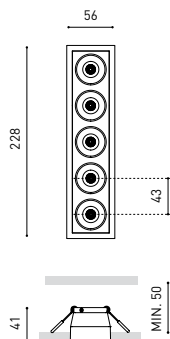


UGR

Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30		70	70	50	50	30
ρ Walls		50	30	50	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	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
4H	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
8H	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
12H	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS

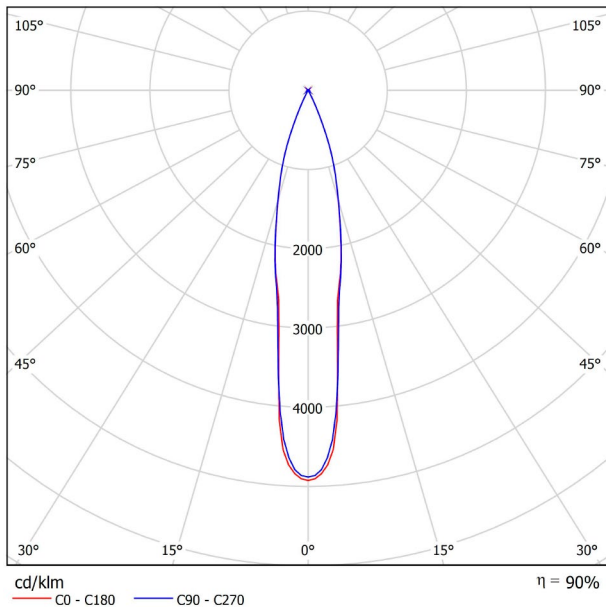


PRODUCT	
Name	BLACK FOSTER REC 5 SPOT 4000K N
Reference	A3194112N
Color	Matt black
RAL	9005
Category	CEILING RECESSED
LIGHTING INFORMATION	
Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	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
OTHER DATA	
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

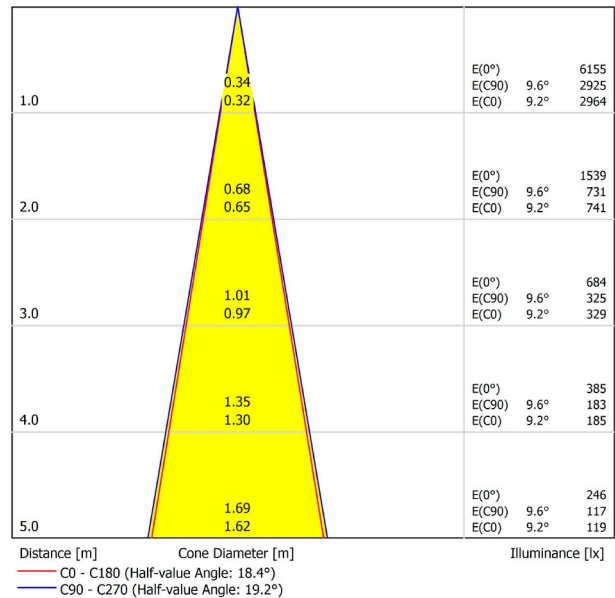


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POLAR DIAGRAM



CONICAL DIAGRAM

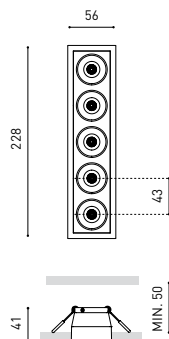


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
	6H	13.8	14.0	14.2	14.4	14.9	14.5	14.7	14.9	15.1	15.6	
	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 4000K NMG
Reference	A3194112NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	11,93 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

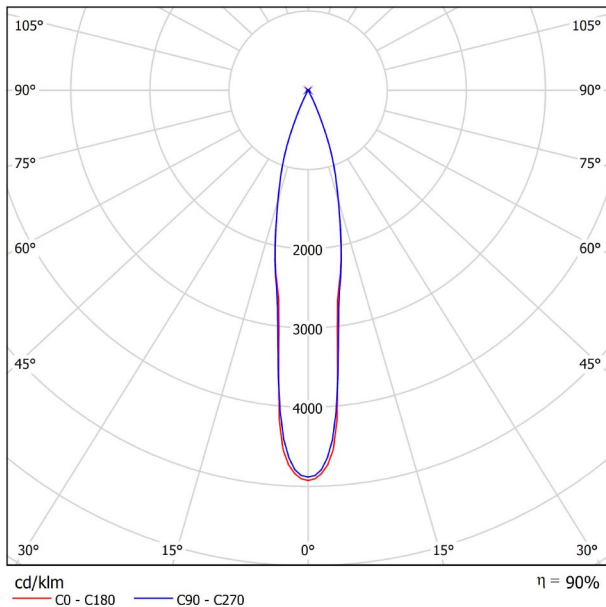
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

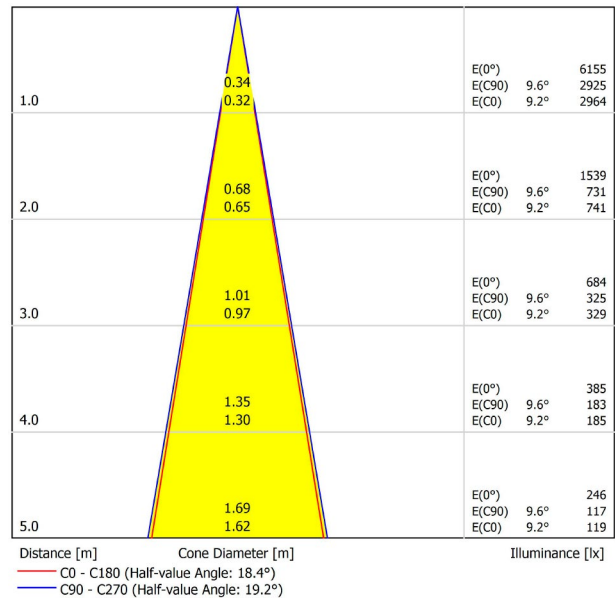


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POLAR DIAGRAM



CONICAL DIAGRAM

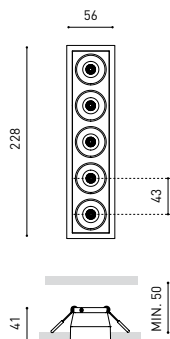


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
	6H	13.8	14.0	14.2	14.4	14.9	14.5	14.7	14.9	15.1	15.6	
	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT 4000K WN
Reference	A3194112WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	11,67 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	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

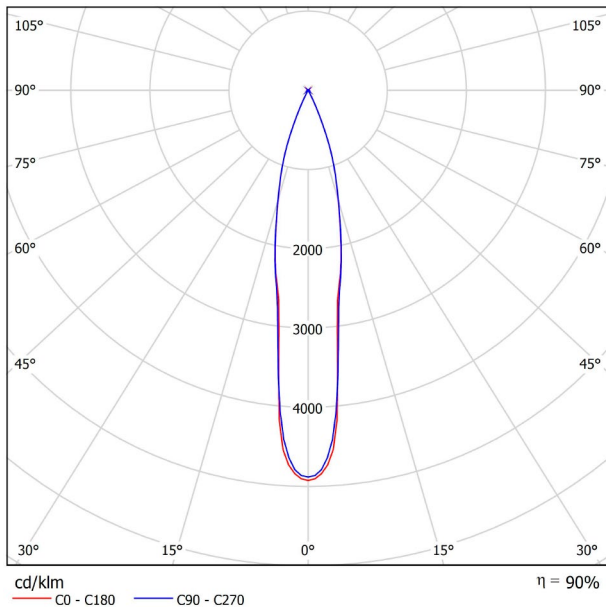
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	450 g.
Packaged weight	545 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

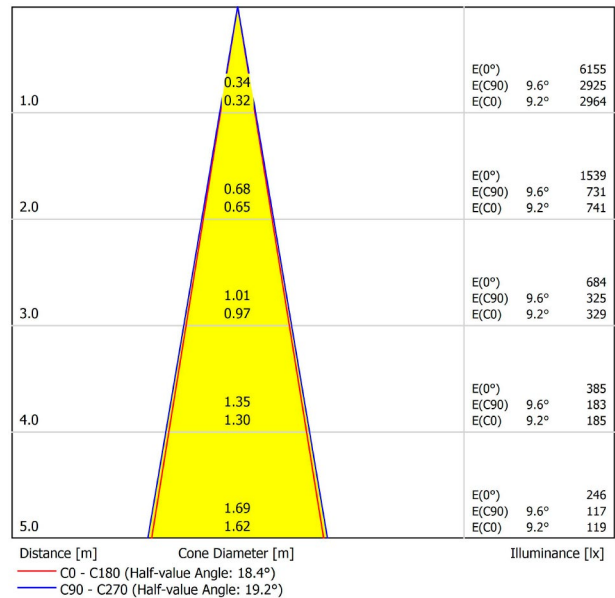


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

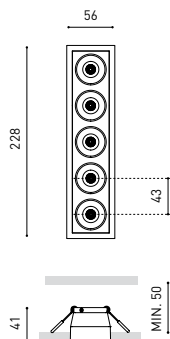


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
	6H	13.8	14.0	14.2	14.4	14.9	14.5	14.7	14.9	15.1	15.6	
	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 2700K N
Reference	A3194120N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,93 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

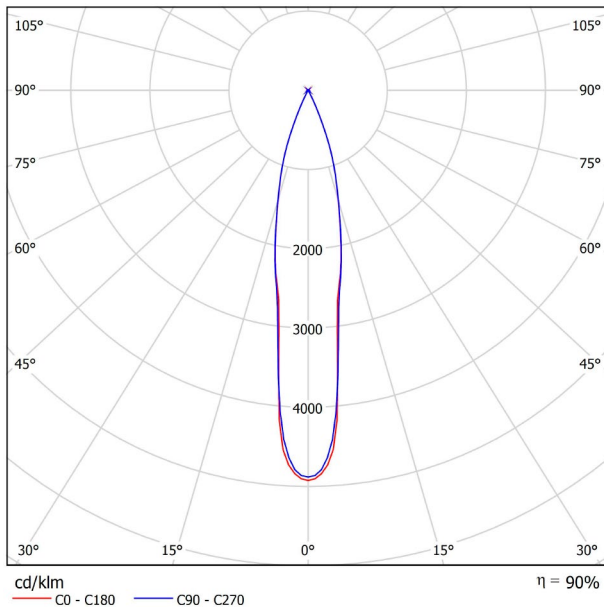
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

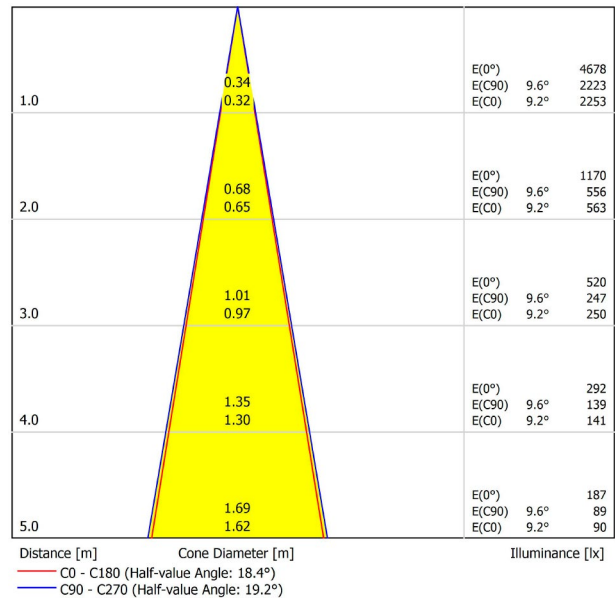


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

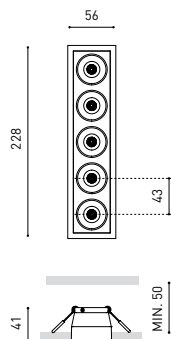


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
4H	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
8H	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
12H	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
	Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 2700K NMG
Reference	A3194120NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,93 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

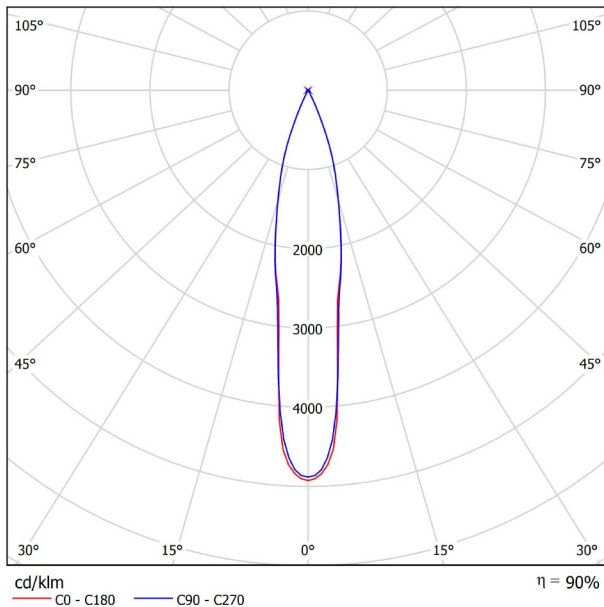
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

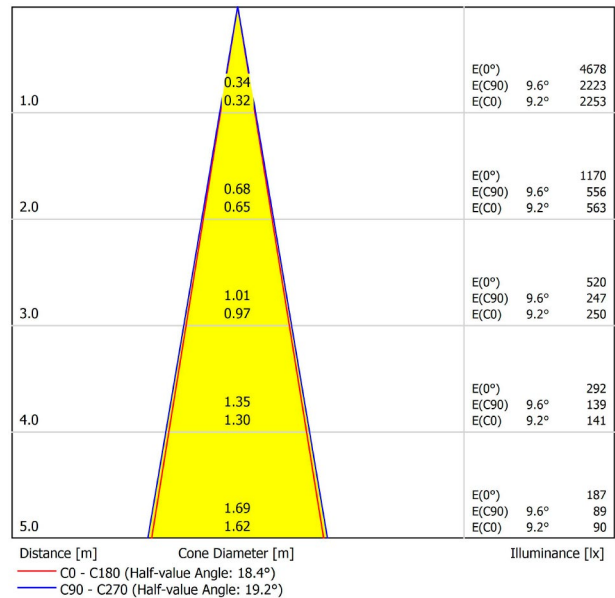


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POLAR DIAGRAM



CONICAL DIAGRAM

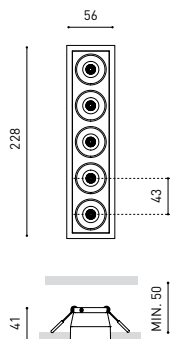


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
4H	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
8H	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
12H	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 2700K WN
Reference	A3194120WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	11,93 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

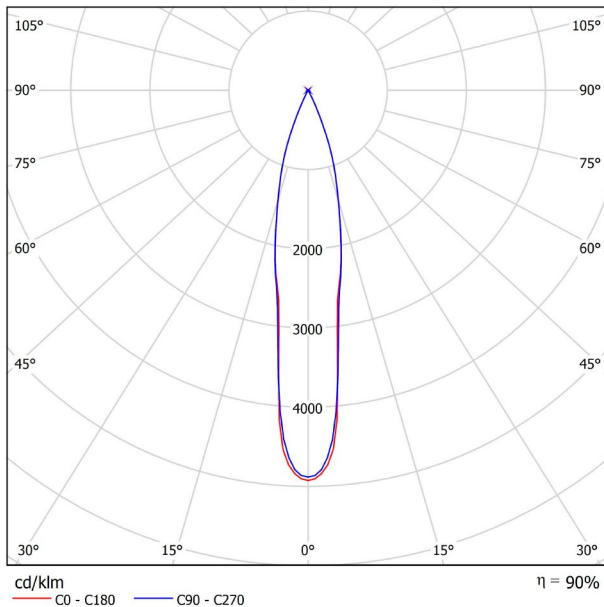
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

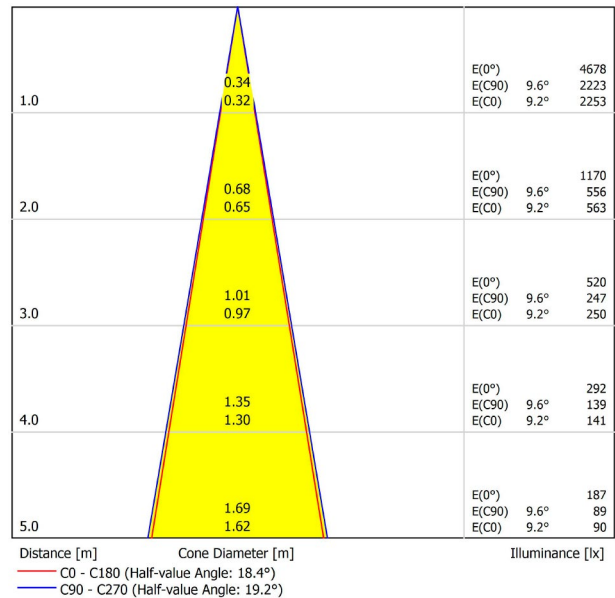


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POLAR DIAGRAM



CONICAL DIAGRAM

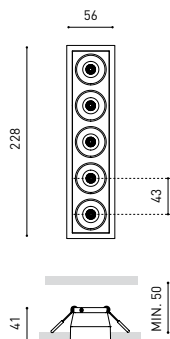


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
4H	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
8H	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
12H	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 3000K N
Reference	A3194121N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,93 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

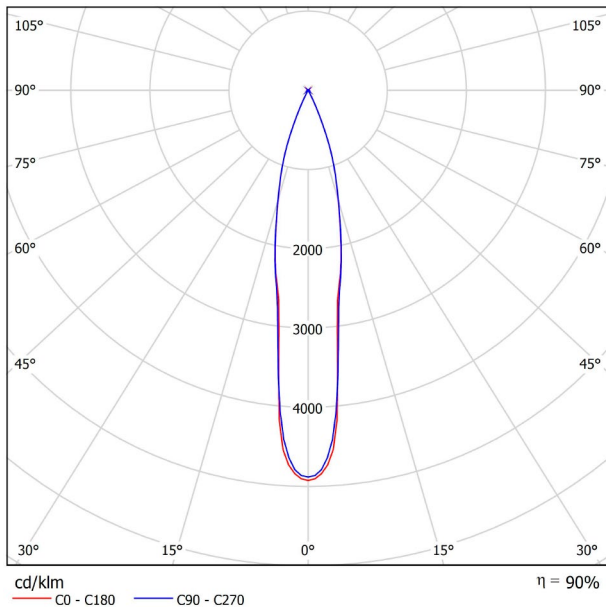
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

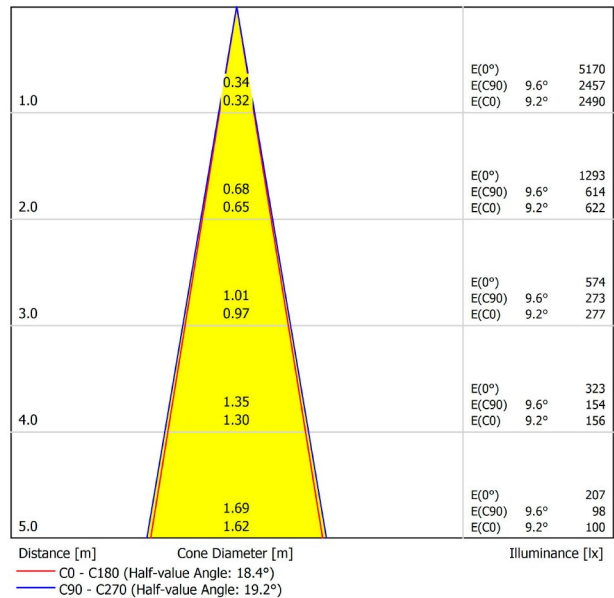


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

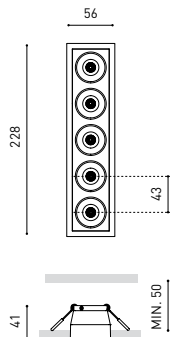


UGR

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	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
4H	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
8H	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
12H	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 3000K NMG
Reference	A3194121NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,93 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

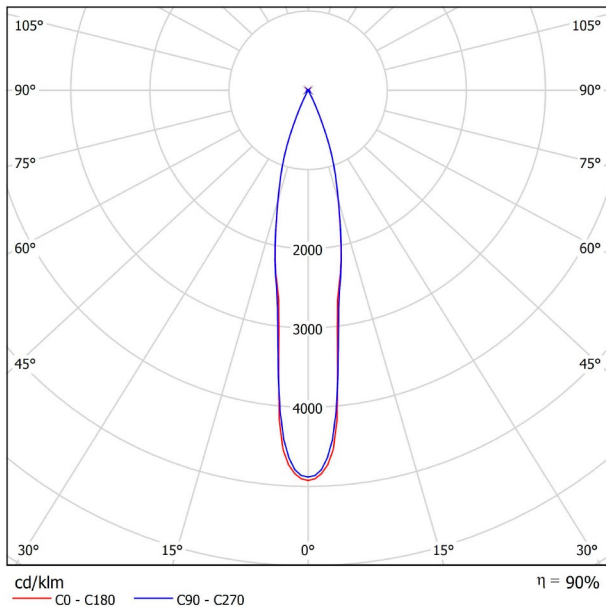
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

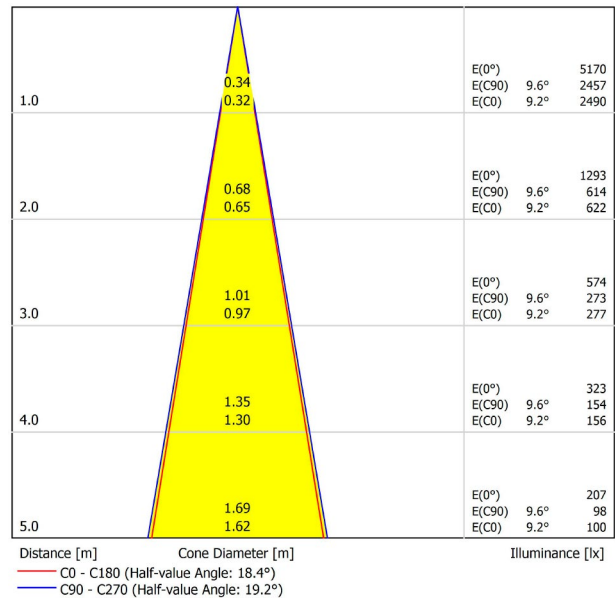


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

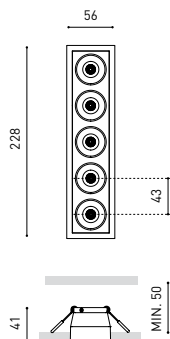


UGR

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	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
4H	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
8H	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
12H	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 3000K NMG
Reference	A3194141NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	11,93 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

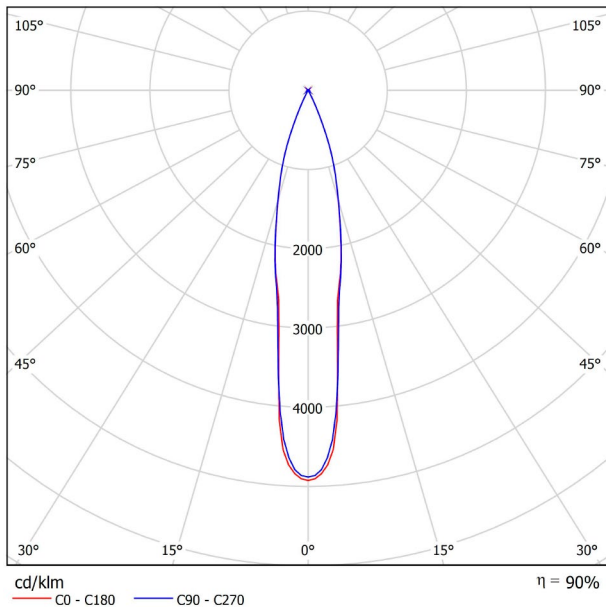
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

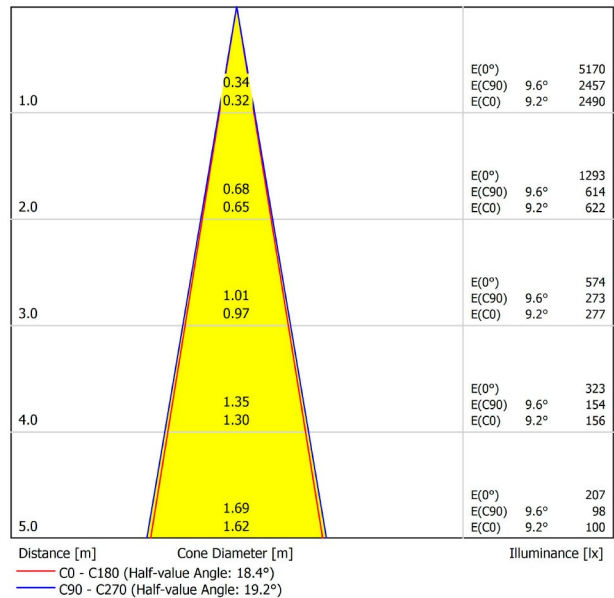


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

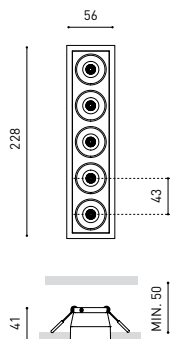


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
4H	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
8H	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
12H	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 3000K WN
Reference	A3194141WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	12,07 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

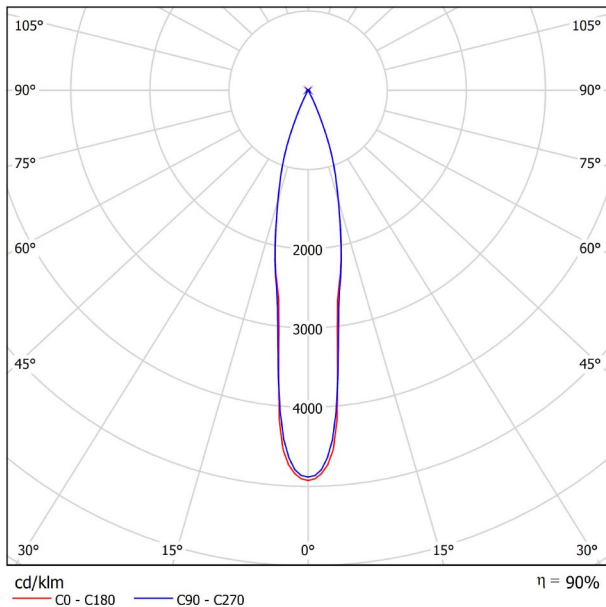
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

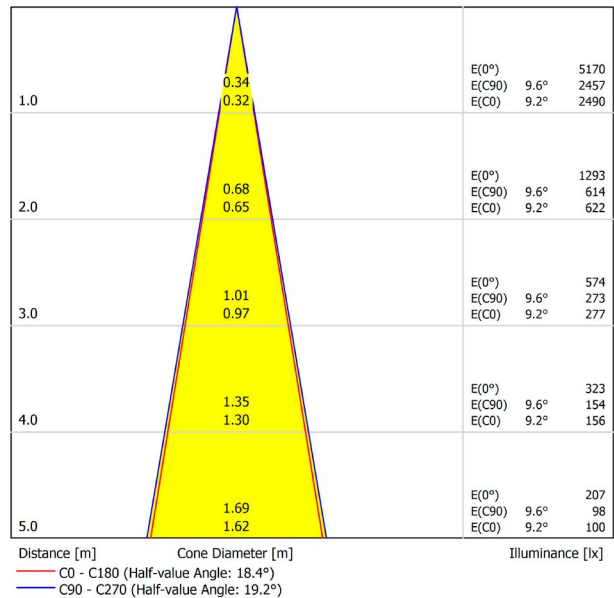


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POLAR DIAGRAM



CONICAL DIAGRAM

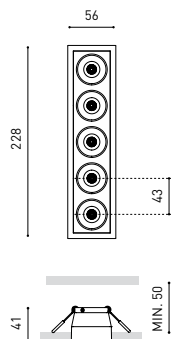


UGR

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	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
4H	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
8H	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
12H	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 4000K N
Reference	A3194142N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	12,07 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

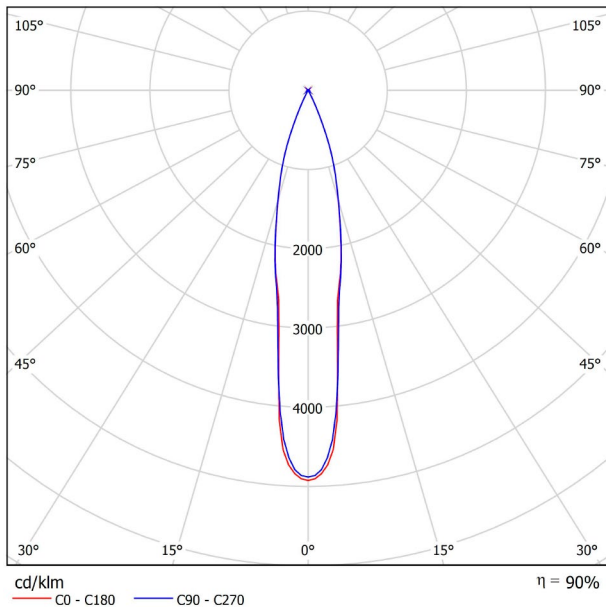
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

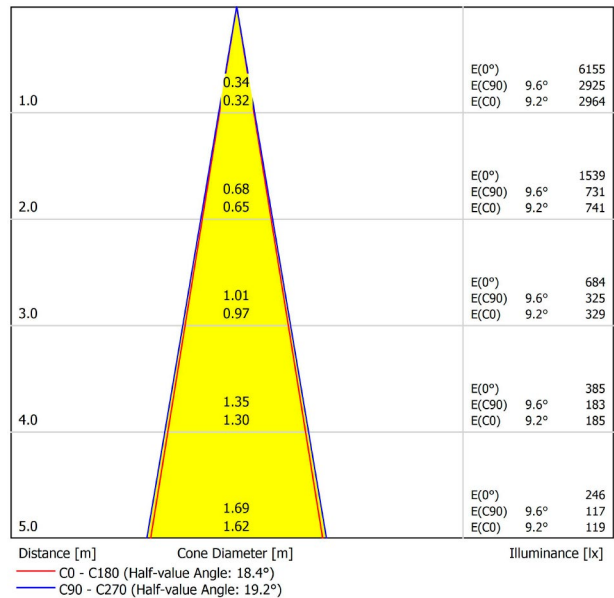


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

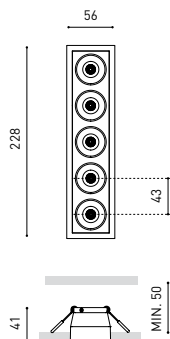


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
	6H	13.8	14.0	14.2	14.4	14.9	14.5	14.7	14.9	15.1	15.6	
	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 4000K NMG
Reference	A3194142NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	11,93 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

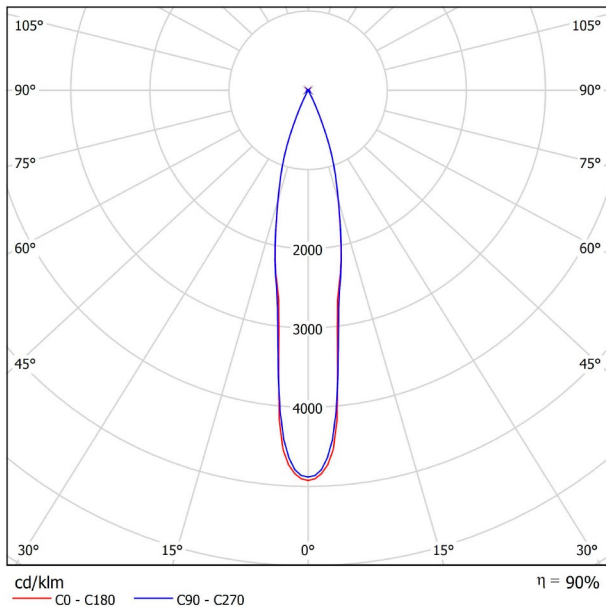
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

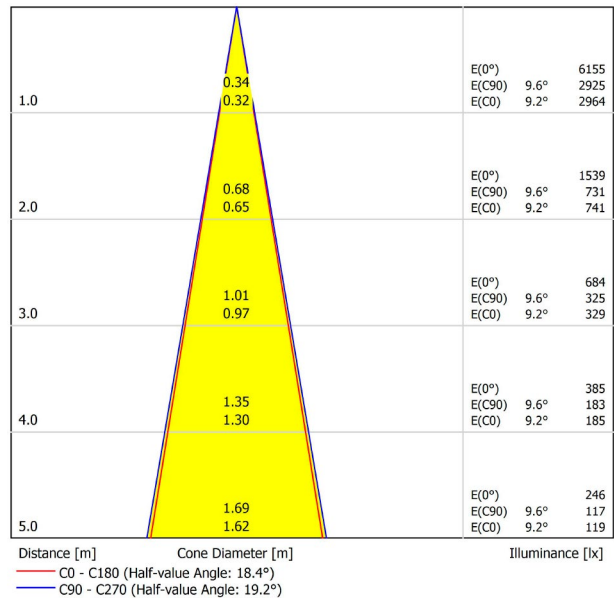


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POLAR DIAGRAM



CONICAL DIAGRAM

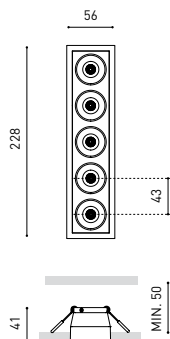


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
	6H	13.8	14.0	14.2	14.4	14.9	14.5	14.7	14.9	15.1	15.6	
	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 4000K WN
Reference	A3194142WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	12,07 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

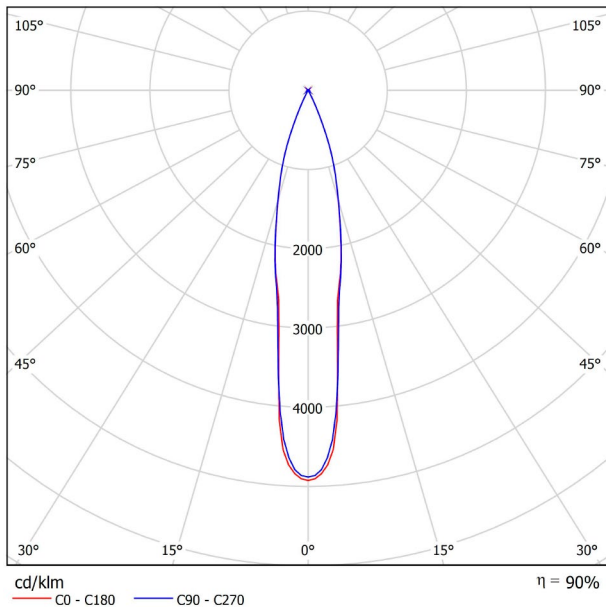
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

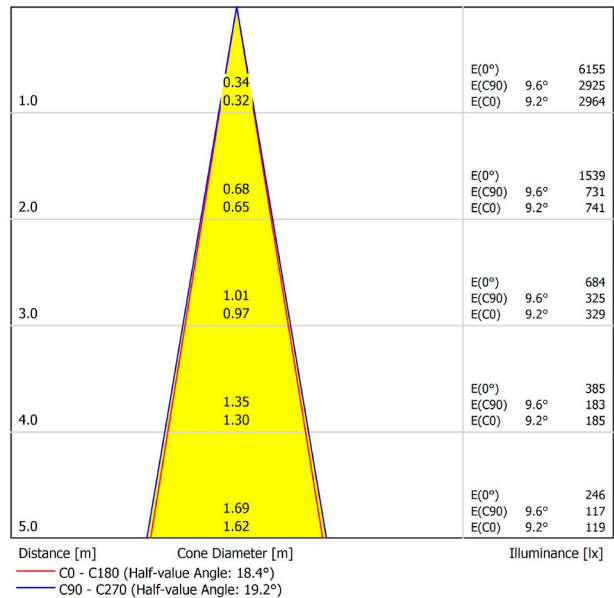


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POLAR DIAGRAM



CONICAL DIAGRAM

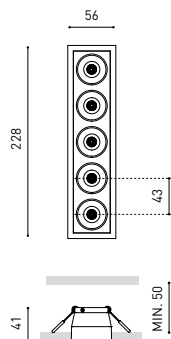


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
	6H	13.8	14.0	14.2	14.4	14.9	14.5	14.7	14.9	15.1	15.6	
	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 4000K NMG
Reference	A3194122NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

LED

1250 Lm

10,5 W

11,93 W

4000 K

CRI>90

MacAdam Step 3

19°

90%

119 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 × 222 mm.

460 g.

585 g.

253 × 98 × 74 mm

1

Aluminium / Acrylonitrile Butadiene Styrene

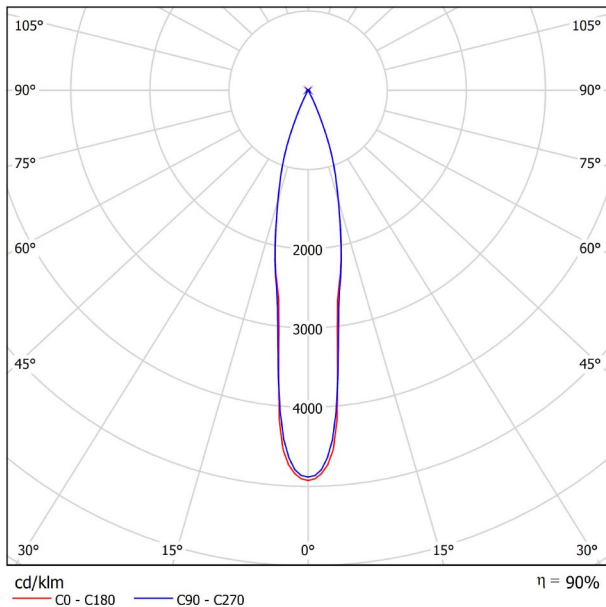


Light source	LED
Gross luminous flux	1250 Lm
Power	10,5 W
Power values of the system	11,93 W
Colour temperature	4000 K
Colour Rendering Index	CRI>90
Chromatic stability	MacAdam Step 3
Light beam angle	19°
Lighting efficiency	90%
Efficacy	119 Lm/W
Current intensity	700 mA
Dimming	Push
Control through 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

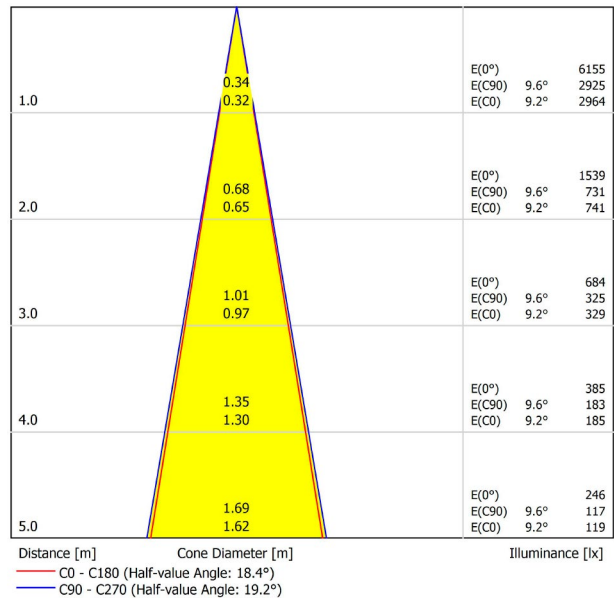
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

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POLAR DIAGRAM



CONICAL DIAGRAM

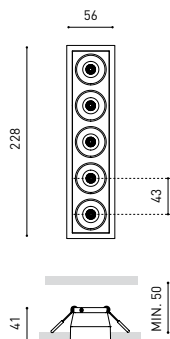


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
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	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM PUSH 4000K WN
Reference	A3194122WN
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	1250 Lm
Power	10,5 W
Power values of the system	11,93 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

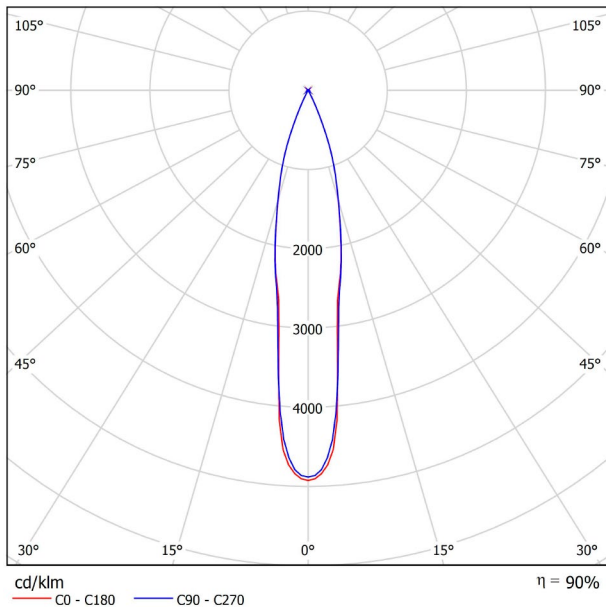
OTHER DATA

Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

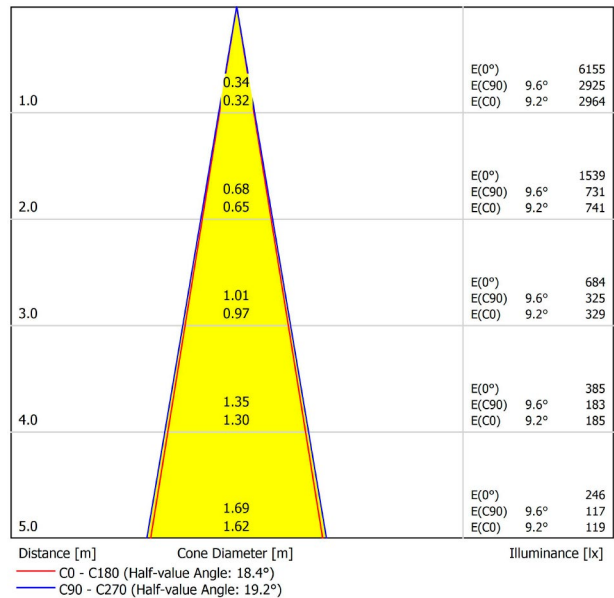


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POLAR DIAGRAM



CONICAL DIAGRAM

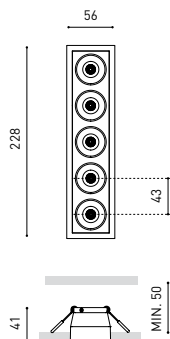


UGR

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	2.8	3.5	3.1	3.7	3.9	3.7	4.3	3.9	4.5	4.7	
	3H	6.3	6.9	6.6	7.1	7.4	7.6	8.2	7.8	8.4	8.6	
	4H	8.3	8.9	8.6	9.1	9.4	9.4	10.0	9.7	10.2	10.5	
	6H	10.5	11.0	10.8	11.3	11.6	11.7	12.2	12.0	12.5	12.8	
	8H	11.6	12.2	12.0	12.5	12.7	12.9	13.4	13.3	13.7	14.0	
	12H	13.0	13.5	13.4	13.8	14.1	14.3	14.8	14.7	15.1	15.4	
4H	2H	4.2	4.8	4.5	5.0	5.3	4.7	5.3	5.0	5.6	5.8	
	3H	7.9	8.4	8.2	8.7	9.0	8.8	9.3	9.1	9.6	9.9	
	4H	10.0	10.4	10.4	10.7	11.1	10.8	11.2	11.2	11.6	11.9	
	6H	12.3	12.6	12.7	13.0	13.4	13.2	13.6	13.6	13.9	14.3	
	8H	13.5	13.8	13.9	14.2	14.6	14.6	14.9	15.0	15.3	15.7	
	12H	15.0	15.2	15.4	15.6	16.1	16.1	16.4	16.5	16.8	17.2	
8H	4H	11.0	11.3	11.4	11.6	12.0	11.6	11.9	12.0	12.3	12.7	
	6H	13.4	13.6	13.9	14.1	14.5	14.2	14.4	14.6	14.8	15.3	
	8H	14.8	15.0	15.3	15.5	15.9	15.7	15.9	16.2	16.4	16.8	
	12H	16.5	16.6	17.0	17.1	17.6	17.5	17.6	18.0	18.1	18.6	
12H	4H	11.2	11.5	11.7	11.9	12.3	11.8	12.0	12.2	12.4	12.9	
	6H	13.8	14.0	14.2	14.4	14.9	14.5	14.7	14.9	15.1	15.6	
	8H	15.3	15.5	15.8	15.9	16.4	16.1	16.3	16.6	16.7	17.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1250lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 2700K N
Reference	A3194140N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	12,07 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

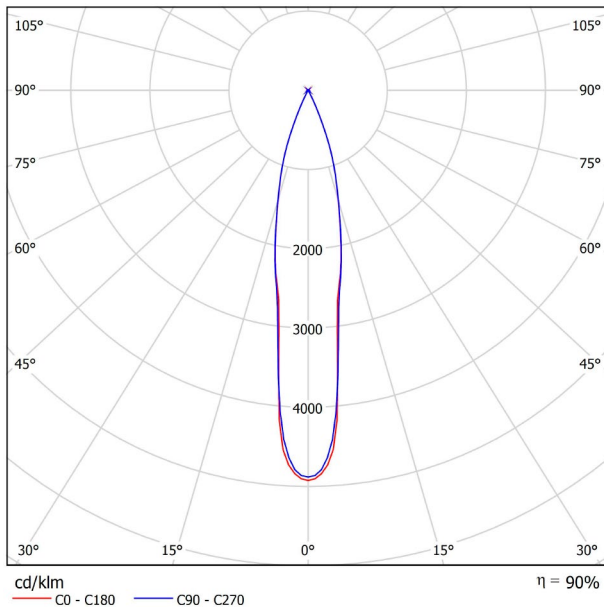
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

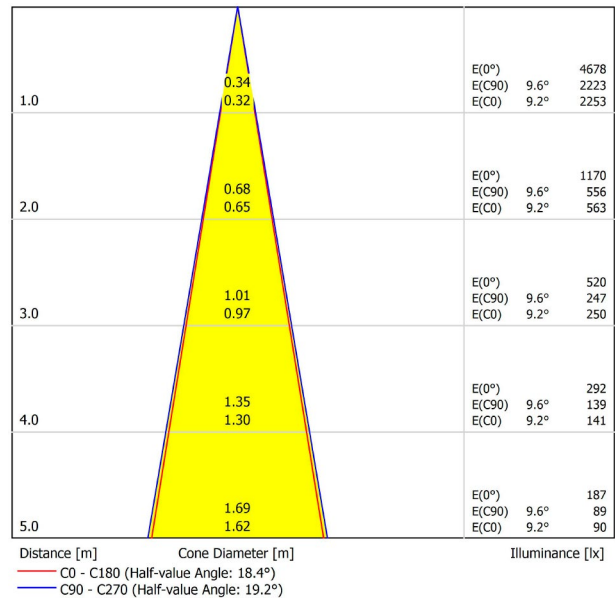


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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

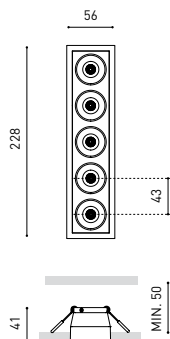


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5		
4H	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2		
8H	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6		
12H	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 2700K NMG
Reference	A3194140NMG
Color	Matt black-Metallized gold
RAL	Metalllic finish
Category	CEILING RECESSED

PRODUCT

LIGHTING INFORMATION

LED

Gross luminous flux

950 Lm

Power

10,5 W

Power values of the system

11,93 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 × 222 mm.

Weight

460 g.

Packaged weight

585 g.

Packaging dimensions

253 × 98 × 74 mm

Units per package

1

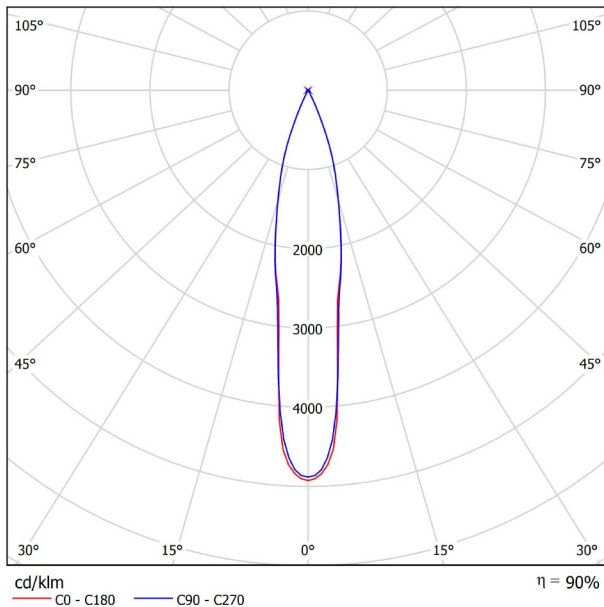
Materials

Aluminium / Acrylonitrile Butadiene Styrene

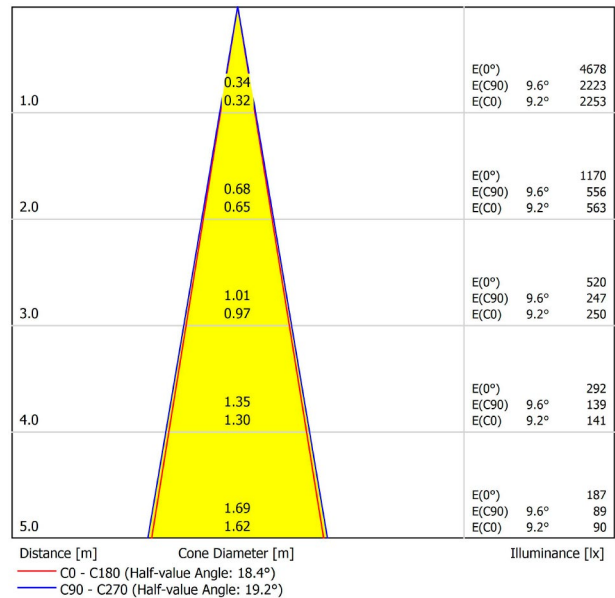


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POLAR DIAGRAM



CONICAL DIAGRAM

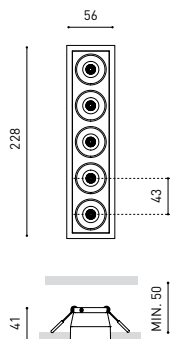


UGR

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	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
4H	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
8H	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
12H	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 2700K WN
Reference	A3194140WN
Color	White-Black
RAL	Colour in the mass looks alike RAL 9016 & 9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	950 Lm
Power	10,5 W
Power values of the system	12,07 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

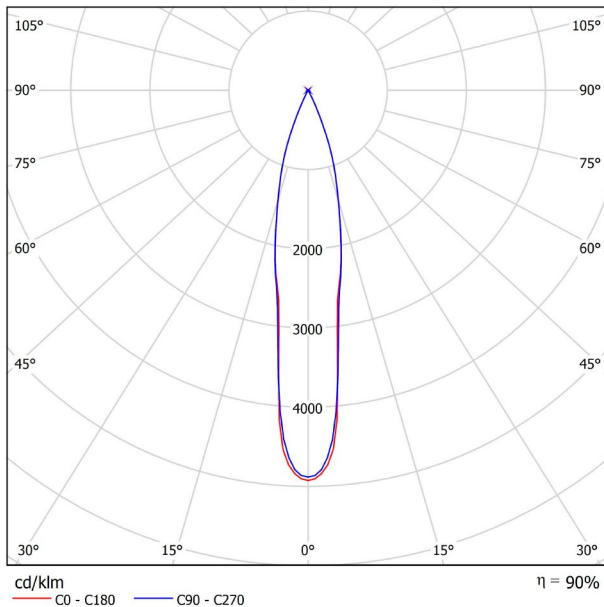
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 50 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

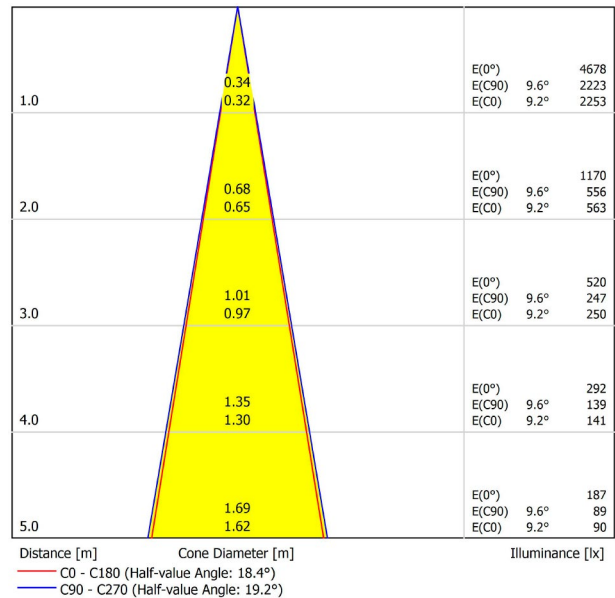


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POLAR DIAGRAM



CONICAL DIAGRAM

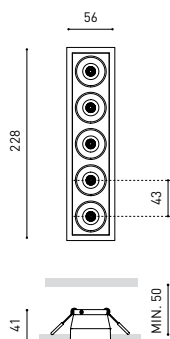


UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	1.9	2.5	2.1	2.7	2.9	2.7	3.4	2.9	3.6	3.8	
	3H	5.4	6.0	5.6	6.2	6.4	6.6	7.2	6.9	7.4	7.7	
	4H	7.3	7.9	7.6	8.2	8.4	8.5	9.0	8.8	9.3	9.5	
	6H	9.6	10.1	9.9	10.4	10.7	10.7	11.3	11.1	11.5	11.8	
	8H	10.7	11.2	11.0	11.5	11.8	12.0	12.5	12.3	12.8	13.1	
	12H	12.1	12.6	12.4	12.9	13.2	13.4	13.9	13.7	14.2	14.5	
4H	2H	3.2	3.8	3.5	4.1	4.3	3.8	4.4	4.1	4.6	4.9	
	3H	6.9	7.4	7.3	7.7	8.0	7.8	8.3	8.2	8.6	8.9	
	4H	9.0	9.5	9.4	9.8	10.1	9.8	10.3	10.2	10.6	10.9	
	6H	11.3	11.7	11.7	12.0	12.4	12.3	12.6	12.7	13.0	13.4	
	8H	12.5	12.9	13.0	13.2	13.6	13.6	13.9	14.0	14.3	14.7	
	12H	14.0	14.3	14.4	14.7	15.1	15.2	15.4	15.6	15.8	16.2	
8H	4H	10.0	10.3	10.4	10.7	11.1	10.6	10.9	11.0	11.3	11.7	
	6H	12.5	12.7	12.9	13.1	13.6	13.2	13.5	13.7	13.9	14.3	
	8H	13.9	14.1	14.3	14.5	15.0	14.8	15.0	15.2	15.4	15.9	
	12H	15.5	15.7	16.0	16.1	16.6	16.5	16.7	17.0	17.1	17.6	
12H	4H	10.3	10.5	10.7	10.9	11.4	10.8	11.1	11.2	11.5	11.9	
	6H	12.8	13.0	13.3	13.5	13.9	13.5	13.7	14.0	14.1	14.6	
	8H	14.4	14.5	14.9	15.0	15.5	15.2	15.3	15.6	15.8	16.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand												
Corrected Glare Indices referring to 950lm Total Luminous Flux												



DIMENSIONS



AWARDS



Name	BLACK FOSTER REC 5 SPOT DIM DALI 3000K N
Reference	A3194141N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Light source	LED
Gross luminous flux	1050 Lm
Power	10,5 W
Power values of the system	12,07 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

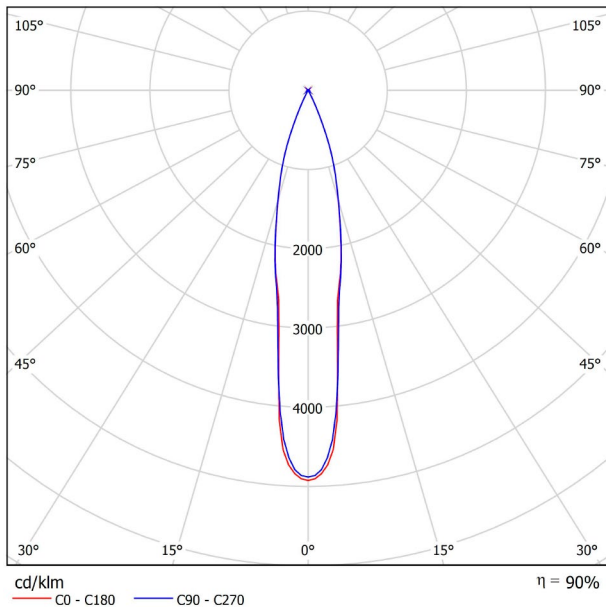
Ingress Protection	IP20
Recess measurements	50 × 222 mm.
Weight	460 g.
Packaged weight	585 g.
Packaging dimensions	253 × 98 × 74 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene

OTHER DATA

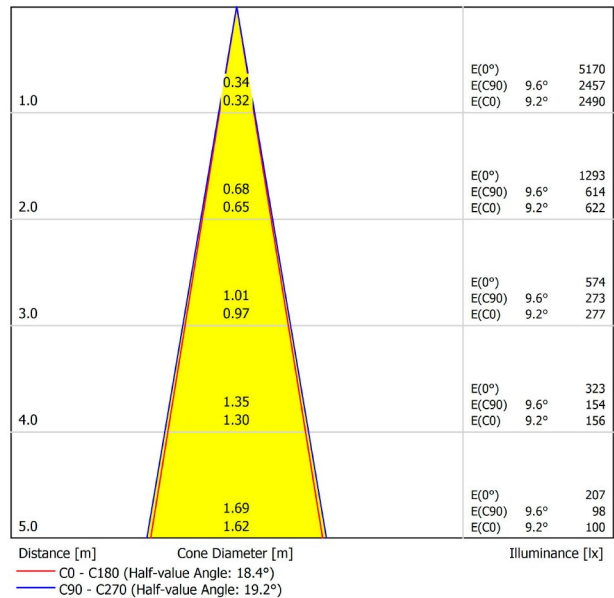


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POLAR DIAGRAM



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	2.2	2.9	2.5	3.1	3.3	3.0	3.7	3.3	3.9	4.1	
	3H	5.7	6.3	6.0	6.5	6.8	7.0	7.6	7.2	7.8	8.0	
	4H	7.7	8.2	8.0	8.5	8.8	8.8	9.4	9.1	9.6	9.9	
	6H	9.9	10.4	10.2	10.7	11.0	11.1	11.6	11.4	11.9	12.2	
	8H	11.0	11.6	11.4	11.8	12.1	12.3	12.8	12.6	13.1	13.4	
	12H	12.4	12.9	12.8	13.2	13.5	13.7	14.2	14.1	14.5	14.8	
4H	2H	3.6	4.2	3.9	4.4	4.7	4.1	4.7	4.4	5.0	5.2	
	3H	7.3	7.8	7.6	8.1	8.4	8.2	8.7	8.5	9.0	9.3	
	4H	9.4	9.8	9.8	10.1	10.5	10.2	10.6	10.6	10.9	11.3	
	6H	11.7	12.0	12.1	12.4	12.8	12.6	13.0	13.0	13.3	13.7	
	8H	12.9	13.2	13.3	13.6	14.0	14.0	14.3	14.4	14.7	15.1	
	12H	14.4	14.6	14.8	15.0	15.5	15.5	15.8	15.9	16.2	16.6	
8H	4H	10.3	10.7	10.8	11.0	11.4	11.0	11.3	11.4	11.7	12.1	
	6H	12.8	13.0	13.3	13.5	13.9	13.6	13.8	14.0	14.2	14.7	
	8H	14.2	14.4	14.7	14.9	15.3	15.1	15.3	15.6	15.8	16.2	
	12H	15.9	16.0	16.4	16.5	17.0	16.9	17.0	17.3	17.5	18.0	
12H	4H	10.6	10.9	11.1	11.3	11.7	11.2	11.4	11.6	11.8	12.2	
	6H	13.2	13.4	13.6	13.8	14.3	13.9	14.1	14.3	14.5	15.0	
	8H	14.7	14.9	15.2	15.3	15.8	15.5	15.7	16.0	16.1	16.6	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1					
S = 1.5H		+0.3 / -0.3					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.5					+0.5 / -0.5					
Standard table		---					---					
Correction		---					---					
Summand		---					---					
Corrected Glare Indices referring to 1050lm Total Luminous Flux												