



DIMENSIONS



ACCESSORIES



DRIVER OPTIONS

AWARDS



reddot winner 2023
lighting design

PRODUCT

Name	BLACK FOSTER MICRO SURFACE 2X2 4000K WTW
Reference	A4593002WTW
Color	Textured white - Chrome
RAL	9016
Category	SURFACE

LIGHT SOURCE

Type	LED
Gross luminous flux	680 lm
Colour temperature	4000 K
Chromatic stability	MacAdam Step 3
Colour Rendering Index	CRI>90
Power	5,6 W
Current	500 mA
Efficacy	121 lm/W
LED lifespan	L90B10 >60.000h

LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency	87%
Light beam angle	37°

LIGHTING FIXTURE | ELECTRICAL DATA

Driver	Excluded: Must be placed on remote
Dimming	No Dim / DALI
Electrical insulation class	II

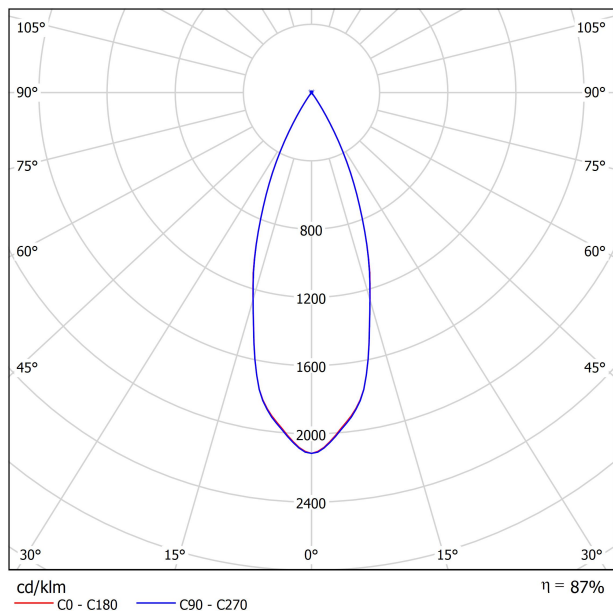
OTHER DATA

Sealing	IP20
Wireless control	Please Consult
Weight	60 g
Packaged weight	100 g
Packaging dimensions	122x85x31 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

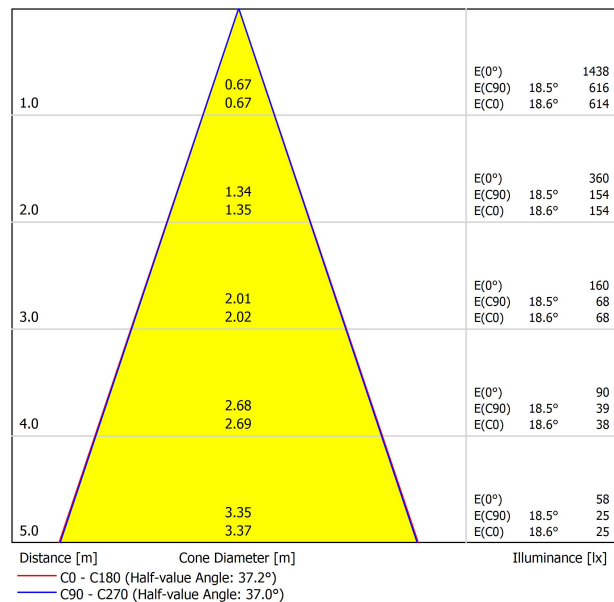


Black Foster Micro Surface has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence. The downlight retains high levels of shielding, taking lighting comfort to another level as regards miniaturisation.

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	-4.0	-3.4	-3.7	-3.2	-3.0	-4.7	-4.0	-4.4	-3.8	-3.6	-3.6
	3H	-0.9	-0.3	-0.6	-0.1	0.2	-0.8	-0.2	-0.5	0.0	0.2	0.2
	4H	0.8	1.3	1.1	1.6	1.9	1.2	1.7	1.5	2.0	2.3	2.1
	6H	3.1	3.6	3.4	3.8	4.1	3.3	3.8	3.7	4.1	4.4	4.4
	8H	4.3	4.8	4.6	5.0	5.3	4.4	4.8	4.7	5.1	5.4	5.4
4H	12H	5.4	5.9	5.8	6.2	6.5	5.5	5.9	5.8	6.2	6.5	6.5
	2H	-3.1	-2.6	-2.8	-2.3	-2.1	-3.6	-3.1	-3.3	-2.8	-2.6	-2.6
	3H	0.3	0.8	0.7	1.1	1.4	0.4	0.8	0.7	1.1	1.4	1.4
	4H	2.2	2.6	2.6	2.9	3.2	2.6	3.0	2.9	3.3	3.6	3.6
	6H	4.7	5.0	5.1	5.4	5.7	4.9	5.3	5.3	5.6	6.0	6.0
8H	8H	6.0	6.3	6.4	6.7	7.1	6.0	6.3	6.5	6.7	7.1	7.1
	12H	7.2	7.5	7.7	7.9	8.3	7.3	7.5	7.7	7.9	8.3	8.3
	4H	3.1	3.3	3.5	3.7	4.1	3.3	3.6	3.8	4.0	4.4	4.4
	6H	5.7	5.9	6.2	6.4	6.8	6.0	6.2	6.4	6.6	7.0	7.0
	8H	7.2	7.4	7.7	7.8	8.3	7.2	7.4	7.7	7.8	8.3	8.3
12H	12H	8.7	8.8	9.1	9.3	9.7	8.6	8.8	9.1	9.2	9.7	9.7
	4H	3.3	3.6	3.8	4.0	4.4	3.6	3.8	4.0	4.2	4.6	4.6
	6H	6.1	6.2	6.5	6.7	7.1	6.3	6.4	6.7	6.9	7.3	7.3
	8H	7.6	7.8	8.1	8.2	8.7	7.6	7.8	8.1	8.2	8.7	8.7
Variation of the observer position for the luminaire distances S												
S = 1.0H		+6.0 / -4.4					+6.0 / -4.3					
S = 1.5H		+8.8 / -4.8					+8.7 / -4.7					
S = 2.0H		+10.8 / -5.4					+10.8 / -5.0					
Standard table Correction Summand		BK01 -4.5					BK01 -4.6					
Corrected Glare Indices referring to 680lm Total Luminous Flux												



DRIVER OPTIONS*		Black Foster Micro Surface 5	Black Foster Micro Surface 2x2	Black Foster Micro Surface 3x3
 NO DIM	0434-00-42	1 to 2	1 to 3	
	0434-01-53			1
 DIM DALI	0434-00-44	1 to 2	1 to 3	
	0434-01-54			1

220
240 V~

* Driver must be placed on remote



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

Auswechselbares Betriebsgerät durch autorisierten Fachmann

INSTRUCCIONES PARA EL FINAL DE VIDA Y LA ELIMINACIÓN LOS COMPONENTES

INSTRUCTIONS ON END-OF-LIFE AND COMPONENT DISPOSAL

INSTRUCTIONS POUR LA GESTION DES COMPOSANTS EN FIN DE VIE ET LEUR MISE AU REBUT

ISTRUZIONI PER IL FINE VITA E LO SMALTIMENTO DEI COMPONENTI

ANWEISUNGEN ZUR ENTSORGUNG DER LEUCHTENKOMPONENTEN



Interrumpir la alimentación del aparato

Cut the power supply to the luminaire

Couper l'alimentation du luminaire

Interrompere l'alimentazione dell'apparecchio

Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho

Remove light source(s) for disposal

Retirer la (les) source(s) lumineuse(s) pour l'élimination

Rimuovere la/le sorgente/e di luce per lo smaltimento

Lichtquelle(n) zur Entsorgung entfernen



Quitar la batería para el desecho

Remove the battery for decommissioning

Retirer la batterie pour sa mise au rebut

Rimuovere la batteria per la dismissione

Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho

Remove control gear for disposal

Retirer le dispositif de commande pour l'élimination

Rimuovere l'alimentatore per lo smaltimento

Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE

Send the materials to a WEEE collection centre

Envoyer les matériaux dans une déchetterie DEEE

Inviare i materiali ad un centro di raccolta RAEE

Die Materialien in einem WEEE-Zentrum entsorgen

