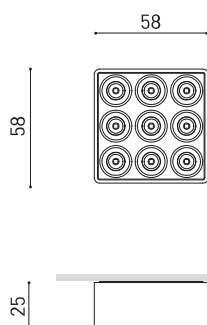




## GRÖÖE



## ZUBEHÖR



DRIVER OPTIONS

## PREISE



reddot winner 2023  
lighting design

|               |                                          |
|---------------|------------------------------------------|
| Name          | BLACK FOSTER MICRO SURFACE 3X3 2700K WTW |
| Artikelnummer | A4594000WTW                              |
| Farbe         | Weiß strukturiert - Chrom                |
| RAL           | 9016                                     |
| Kategorie     | SURFACE                                  |

## PRODUKT

|                                            |                 |
|--------------------------------------------|-----------------|
| Typ                                        | LED             |
| Bruttolichtstrom                           | 1170 lm         |
| Farbtemperatur                             | 2700 K          |
| Farbstabilität                             | MacAdam Step 3  |
| Farbwiedergabeindex                        | CRI>90          |
| Leistung                                   | 10 W            |
| Stromstärke                                | 400 mA          |
| Lichtausbeute                              | 117 lm/W        |
| Nutzlebensdauer der LED in Betriebsstunden | L90B10 >60.000h |

## LICHTQUELLE

|                            |     |
|----------------------------|-----|
| Leuchtenwirkungsgrad (LOR) | 87% |
| Abstrahlwinkel             | 37° |

## LEUCHTE | PHOTOMETRISCHE DATEN

|                      |                                        |
|----------------------|----------------------------------------|
| Driver               | Exklusiv: Muss extern platziert werden |
| Helligkeitssteuerung | No Dim / DALI                          |
| Schutzklasse         | III                                    |

## LEUCHTE | ELEKTRISCHE DATEN

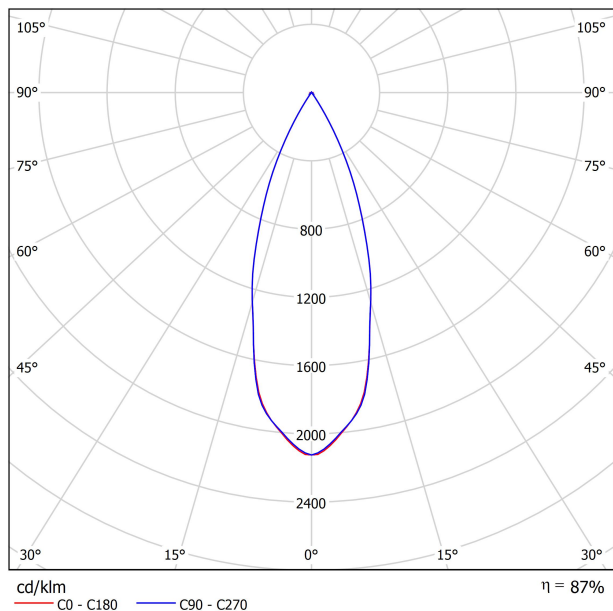
|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Dichtigkeit                | IP20                                                   |
| Wireless control           | Bitte anfragen                                         |
| Gewicht                    | 100 g                                                  |
| Gewicht inkl. Verpackung   | 140 g                                                  |
| Abmessungen der Verpackung | 122x85x31 mm                                           |
| Stück pro Verpackung       | 1                                                      |
| Materialien                | Aluminium / Acrylnitril-Butadien-Styrol / Polycarbonat |

## ANDERE DATEN

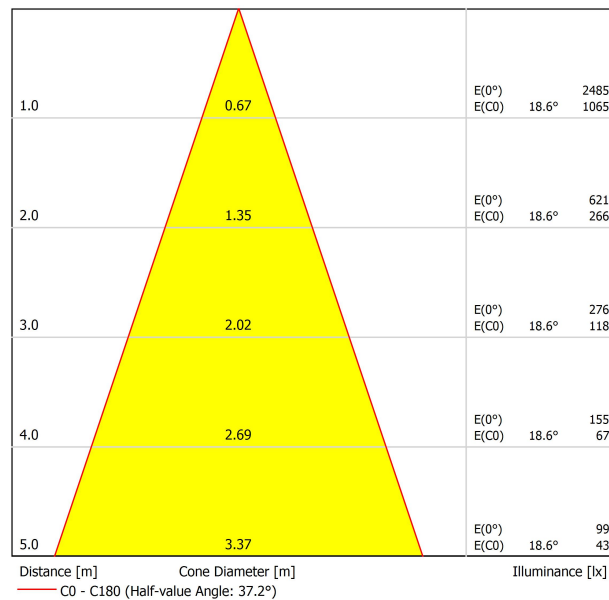


Black Foster Micro Surface ist dank seiner geringen Größe und seiner geringen Blendung das perfekte Lichtsystem für zurückhaltende Innenarchitektur. Das Downlight behält eine hohe Abschirmung bei und hebt den Beleuchtungskomfort auf eine neue Stufe der Miniaturisierung.

POLAR-KOORDINATEN DIAGRAMM

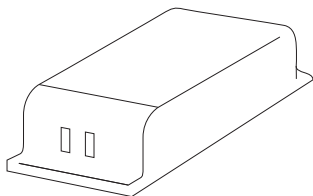


KEGELDIAGRAMM



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  | -3.8                                           | -3.2 | -3.6 | -3.0 | -2.8 | -3.5                                    | -2.8 | -3.2 | -2.6 | -2.4 | -2.4 |
|                                                                  | 3H  | -0.9                                           | -0.3 | -0.6 | -0.1 | 0.1  | -0.5                                    | 0.1  | -0.2 | 0.3  | 0.6  | 0.6  |
|                                                                  | 4H  | 1.0                                            | 1.6  | 1.3  | 1.8  | 2.1  | 1.3                                     | 1.9  | 1.6  | 2.1  | 2.4  | 2.4  |
|                                                                  | 6H  | 2.8                                            | 3.3  | 3.1  | 3.6  | 3.9  | 3.2                                     | 3.7  | 3.5  | 4.0  | 4.3  | 4.3  |
|                                                                  | 8H  | 4.1                                            | 4.6  | 4.4  | 4.8  | 5.1  | 4.4                                     | 4.9  | 4.8  | 5.2  | 5.5  | 5.5  |
| 4H                                                               | 12H | 5.4                                            | 5.8  | 5.7  | 6.1  | 6.4  | 5.9                                     | 6.3  | 6.2  | 6.6  | 6.9  | 6.9  |
|                                                                  | 2H  | -3.0                                           | -2.4 | -2.7 | -2.2 | -1.9 | -2.7                                    | -2.2 | -2.4 | -1.9 | -1.7 | -1.7 |
|                                                                  | 3H  | 0.3                                            | 0.8  | 0.7  | 1.1  | 1.4  | 0.6                                     | 1.0  | 0.9  | 1.3  | 1.6  | 1.6  |
|                                                                  | 4H  | 2.6                                            | 3.0  | 3.0  | 3.3  | 3.7  | 2.7                                     | 3.1  | 3.1  | 3.5  | 3.8  | 3.8  |
|                                                                  | 6H  | 4.5                                            | 4.9  | 4.9  | 5.2  | 5.6  | 4.8                                     | 5.2  | 5.2  | 5.5  | 5.9  | 5.9  |
| 8H                                                               | 8H  | 5.9                                            | 6.2  | 6.3  | 6.6  | 7.0  | 6.2                                     | 6.4  | 6.6  | 6.8  | 7.2  | 7.2  |
|                                                                  | 12H | 7.3                                            | 7.5  | 7.7  | 7.9  | 8.3  | 7.7                                     | 8.0  | 8.2  | 8.4  | 8.8  | 8.8  |
|                                                                  | 4H  | 3.4                                            | 3.7  | 3.8  | 4.1  | 4.5  | 3.5                                     | 3.8  | 3.9  | 4.2  | 4.6  | 4.6  |
|                                                                  | 6H  | 5.6                                            | 5.8  | 6.1  | 6.3  | 6.7  | 5.9                                     | 6.1  | 6.4  | 6.5  | 7.0  | 7.0  |
|                                                                  | 8H  | 7.1                                            | 7.3  | 7.6  | 7.8  | 8.2  | 7.4                                     | 7.5  | 7.8  | 8.0  | 8.4  | 8.4  |
| 12H                                                              | 12H | 8.8                                            | 8.9  | 9.3  | 9.4  | 9.9  | 9.2                                     | 9.3  | 9.7  | 9.8  | 10.3 | 10.3 |
|                                                                  | 4H  | 3.6                                            | 3.9  | 4.1  | 4.3  | 4.7  | 3.7                                     | 3.9  | 4.1  | 4.3  | 4.8  | 4.8  |
|                                                                  | 6H  | 6.0                                            | 6.2  | 6.5  | 6.6  | 7.1  | 6.2                                     | 6.4  | 6.7  | 6.8  | 7.3  | 7.3  |
| 8H                                                               | 7.6 | 7.8                                            | 8.1  | 8.2  | 8.7  | 7.8  | 8.0                                     | 8.3  | 8.4  | 8.9  | 8.9  |      |
| Variation of the observer position for the luminaire distances S |     |                                                |      |      |      |      |                                         |      |      |      |      |      |
| S = 1.0H                                                         |     | +5.5 / -3.3                                    |      |      |      |      | +5.4 / -3.1                             |      |      |      |      |      |
| S = 1.5H                                                         |     | +8.2 / -3.6                                    |      |      |      |      | +8.1 / -3.5                             |      |      |      |      |      |
| S = 2.0H                                                         |     | +10.3 / -4.1                                   |      |      |      |      | +10.2 / -3.9                            |      |      |      |      |      |
| Standard table                                                   |     | BK02                                           |      |      |      |      | BK02                                    |      |      |      |      |      |
| Correction                                                       |     | -7.5                                           |      |      |      |      | -7.4                                    |      |      |      |      |      |
| Summand                                                          |     |                                                |      |      |      |      |                                         |      |      |      |      |      |
| Corrected Glare Indices referring to 1170lm Total Luminous Flux  |     |                                                |      |      |      |      |                                         |      |      |      |      |      |



| DRIVER OPTIONS*                                                                                 |            | Black Foster<br>Micro Surface 5 | Black Foster<br>Micro Surface 2x2 | Black Foster<br>Micro Surface 3x3 |
|-------------------------------------------------------------------------------------------------|------------|---------------------------------|-----------------------------------|-----------------------------------|
| <br>NO DIM   | 0434-00-42 | 1 to 2                          | 1 to 3                            |                                   |
|                                                                                                 | 0434-01-53 |                                 |                                   | 1                                 |
| <br>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

