



DIMENSIONS



AWARDS



| | |
|-----------|-----------------------------------|
| Name | BLACK FOSTER REC 1 SPOT 3000K NMG |
| Reference | A3191111NMG |
| Color | Black-Metallized gold |
| RAL | Metalllic finish |
| Category | CEILING RECESSED |

PRODUCT

| | |
|------------------------|-------------------|
| Type | LED |
| Gross luminous flux | 210 lm |
| Colour temperature | 3000 K |
| Chromatic stability | MacAdam Step 3 |
| Colour Rendering Index | CRI > 90 |
| Power | 2,1 W |
| Current | 700 mA |
| Efficacy | 100 lm/W |
| LED lifespan | L90B10 > 102.000h |

LIGHT SOURCE

| | |
|---------------------|-----|
| Lighting efficiency | 90% |
| Light beam angle | 19° |

LIGHTING FIXTURE | PHOTOMETRIC DATA

| | |
|-----------------------------|----------------------|
| Driver | Included - Connected |
| Power values of the system | 3,30 W |
| Frequency | 50/60 Hz |
| Dimming | No Dim |
| Electrical insulation class | □ |

LIGHTING FIXTURE | ELECTRICAL DATA

| | |
|------------------------|---|
| Sealing | IP20 |
| Wireless control | Please Consult |
| Emergency power supply | Please Consult |
| Recess measurements | 50 x 50 mm |
| Weight | 85 g |
| Packaged weight | 130 g |
| Packaging dimensions | 78 x 98 x 50 mm |
| Units per package | 1 |
| Materials | Aluminium / Acrylonitrile Butadiene Styrene |

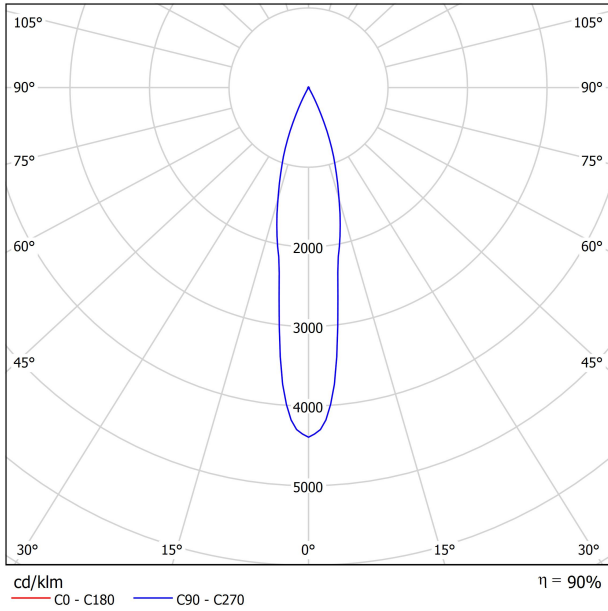
OTHER DATA



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 | -3.1 | -2.5 | -2.9 | -2.3 | -2.1 | -3.1 | -2.5 | -2.9 | -2.3 | -2.1 |
| | 3H | 0.8 | 1.4 | 1.1 | 1.6 | 1.8 | 0.8 | 1.4 | 1.1 | 1.6 | 1.8 |
| | 4H | 3.2 | 3.8 | 3.5 | 4.0 | 4.3 | 3.2 | 3.8 | 3.5 | 4.0 | 4.3 |
| | 6H | 5.0 | 5.5 | 5.3 | 5.7 | 6.0 | 5.0 | 5.5 | 5.3 | 5.7 | 6.0 |
| | 8H | 6.2 | 6.7 | 6.5 | 6.9 | 7.2 | 6.2 | 6.7 | 6.5 | 6.9 | 7.2 |
| 4H | 12H | 7.5 | 8.0 | 7.9 | 8.3 | 8.6 | 7.5 | 8.0 | 7.9 | 8.3 | 8.6 |
| | 2H | -1.5 | -0.9 | -1.2 | -0.7 | -0.4 | -1.5 | -0.9 | -1.2 | -0.7 | -0.4 |
| | 3H | 2.3 | 2.7 | 2.6 | 3.0 | 3.4 | 2.3 | 2.7 | 2.6 | 3.0 | 3.4 |
| | 4H | 4.7 | 5.1 | 5.1 | 5.4 | 5.8 | 4.7 | 5.1 | 5.1 | 5.4 | 5.8 |
| | 6H | 6.6 | 6.9 | 7.0 | 7.3 | 7.7 | 6.6 | 6.9 | 7.0 | 7.3 | 7.7 |
| 8H | 8H | 8.0 | 8.2 | 8.4 | 8.6 | 9.0 | 8.0 | 8.2 | 8.4 | 8.6 | 9.0 |
| | 12H | 9.4 | 9.7 | 9.8 | 10.0 | 10.5 | 9.4 | 9.7 | 9.8 | 10.0 | 10.5 |
| | 4H | 5.4 | 5.7 | 5.9 | 6.1 | 6.5 | 5.4 | 5.7 | 5.9 | 6.1 | 6.5 |
| | 6H | 7.6 | 7.9 | 8.1 | 8.3 | 8.7 | 7.6 | 7.9 | 8.1 | 8.3 | 8.7 |
| | 8H | 9.2 | 9.4 | 9.7 | 9.8 | 10.3 | 9.2 | 9.4 | 9.7 | 9.8 | 10.3 |
| 12H | 12H | 10.9 | 11.0 | 11.4 | 11.5 | 12.0 | 10.9 | 11.0 | 11.4 | 11.5 | 12.0 |
| | 4H | 5.6 | 5.9 | 6.1 | 6.3 | 6.7 | 5.6 | 5.9 | 6.1 | 6.3 | 6.7 |
| | 6H | 8.0 | 8.2 | 8.5 | 8.6 | 9.1 | 8.0 | 8.2 | 8.5 | 8.6 | 9.1 |
| | 8H | 9.7 | 9.9 | 10.2 | 10.3 | 10.8 | 9.7 | 9.9 | 10.2 | 10.3 | 10.8 |
| | Variation of the observer position for the luminaire distances S | | | | | | | | | | |
| S = 1.0H | | +0.1 / -0.2 | | | | | +0.1 / -0.2 | | | | |
| S = 1.5H | | +0.3 / -0.3 | | | | | +0.3 / -0.3 | | | | |
| S = 2.0H | | +0.6 / -0.5 | | | | | +0.6 / -0.5 | | | | |
| Standard table Correction Summand | | --- | | | | | --- | | | | |
| Corrected Glare Indices referring to 210lm Total Luminous Flux | | | | | | | | | | | |



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

