

DIMENSIONS



AWARDS



|                             |  |
|-----------------------------|--|
| Name                        | BLACK FOSTER REC 1 SPOT 4000K WN               |
| Reference                   | A3191112WN                                     |
| Color                       | White-Black                                    |
| RAL                         | Colour in the mass looks alike RAL 9016 & 9005 |
| Category                    | CEILING RECESSED                               |
| Type                        | LED  |
| Gross luminous flux         | 250 lm   |
| Colour temperature          | 4000 K   |
| Chromatic stability         | MacAdam Step 3                                 |
| Colour Rendering Index      | CRI > 90                                       |
| Power                       | 2,1 W  |
| Current                     | 700 mA   |
| Efficacy                    | 119 lm/W                                       |
| LED lifespan                | L90B10 > 102.000h                              |
| Lighting efficiency         | 90%  |
| Light beam angle            | 19°  |
| Driver                      | Included - Connected                           |
| Power values of the system  | 3,30 W   |
| Frequency                   | 50/60 Hz                                       |
| Dimming                     | No Dim   |
| Electrical insulation class | □  |
| 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    |

PRODUCT

LIGHT SOURCE

LIGHTING FIXTURE | PHOTOMETRIC DATA

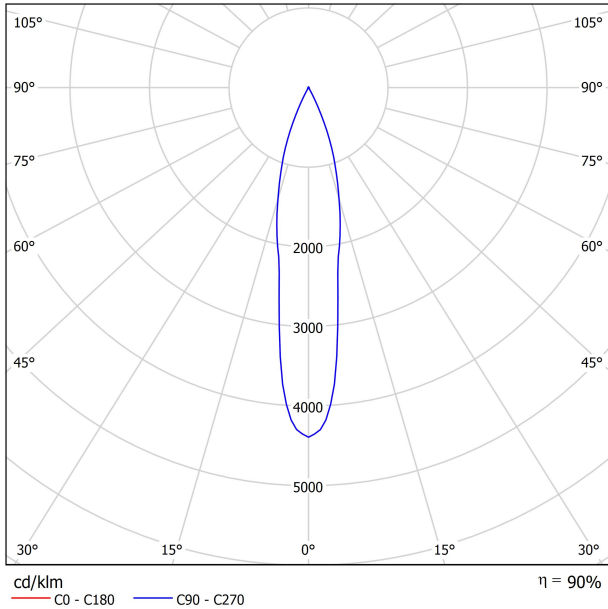
LIGHTING FIXTURE | ELECTRICAL DATA

OTHER DATA



Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

| Glare Evaluation According to UGR                                |             |  |      |      |      |             |   |      |      |      |      |
|--|-------------|--|------|------|------|-------------|---|------|------|------|------|
| ρ Ceiling  | 70          | 70   | 50   | 50   | 30   | 70          | 70                                      | 50   | 50   | 30   | 30   |
| ρ Walls  | 50          | 30   | 50   | 30   | 30   | 50          | 30                                      | 50   | 30   | 30   | 30   |
| ρ Floor  | 20          | 20   | 20   | 20   | 20   | 20          | 20                                      | 20   | 20   | 20   | 20   |
| Room Size X Y  |             | Viewing direction at right angles to lamp axis |      |      |      |             | Viewing direction parallel to lamp axis |      |      |      |      |
| 2H   | 2H          | -2.5   | -1.9 | -2.3 | -1.7 | -1.5        | -2.5                                    | -1.9 | -2.3 | -1.7 | -1.5 |
|  | 3H          | 1.4  | 2.0  | 1.7  | 2.2  | 2.4         | 1.4                                     | 2.0  | 1.7  | 2.2  | 2.4  |
|  | 4H          | 3.8  | 4.4  | 4.1  | 4.6  | 4.9         | 3.8                                     | 4.4  | 4.1  | 4.6  | 4.9  |
|  | 6H          | 5.6  | 6.1  | 5.9  | 6.3  | 6.6         | 5.6                                     | 6.1  | 5.9  | 6.3  | 6.6  |
|  | 8H          | 6.8  | 7.3  | 7.1  | 7.6  | 7.8         | 6.8                                     | 7.3  | 7.1  | 7.6  | 7.8  |
| 4H   | 12H         | 8.1  | 8.6  | 8.5  | 8.9  | 9.2         | 8.1                                     | 8.6  | 8.5  | 8.9  | 9.2  |
|  | 2H          | -0.9   | -0.3 | -0.6 | -0.1 | 0.2         | -0.9                                    | -0.3 | -0.6 | -0.1 | 0.2  |
|  | 3H          | 2.9  | 3.4  | 3.2  | 3.7  | 4.0         | 2.9                                     | 3.4  | 3.2  | 3.7  | 4.0  |
|  | 4H          | 5.3  | 5.7  | 5.7  | 6.1  | 6.4         | 5.3                                     | 5.7  | 5.7  | 6.1  | 6.4  |
|  | 6H          | 7.2  | 7.6  | 7.6  | 7.9  | 8.3         | 7.2                                     | 7.6  | 7.6  | 7.9  | 8.3  |
| 8H   | 8H          | 8.6  | 8.9  | 9.0  | 9.2  | 9.6         | 8.6                                     | 8.9  | 9.0  | 9.2  | 9.6  |
|  | 12H         | 10.0   | 10.3 | 10.4 | 10.7 | 11.1        | 10.0                                    | 10.3 | 10.4 | 10.7 | 11.1 |
|  | 4H          | 6.0  | 6.3  | 6.5  | 6.7  | 7.1         | 6.0                                     | 6.3  | 6.5  | 6.7  | 7.1  |
|  | 6H          | 8.2  | 8.5  | 8.7  | 8.9  | 9.3         | 8.2                                     | 8.5  | 8.7  | 8.9  | 9.3  |
|  | 8H          | 9.8  | 10.0 | 10.3 | 10.5 | 10.9        | 9.8                                     | 10.0 | 10.3 | 10.5 | 10.9 |
| 12H  | 12H         | 11.5   | 11.6 | 12.0 | 12.1 | 12.6        | 11.5                                    | 11.6 | 12.0 | 12.1 | 12.6 |
|  | 4H          | 6.3  | 6.5  | 6.7  | 6.9  | 7.3         | 6.3                                     | 6.5  | 6.7  | 6.9  | 7.3  |
|  | 6H          | 8.6  | 8.8  | 9.1  | 9.2  | 9.7         | 8.6                                     | 8.8  | 9.1  | 9.2  | 9.7  |
| 8H   | 10.3        | 10.5   | 10.8 | 10.9 | 11.4 | 10.3        | 10.5                                    | 10.8 | 10.9 | 11.4 |      |
| 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 250lm 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

