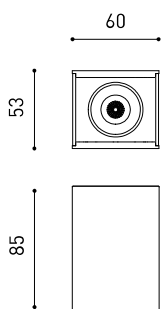




## Dimensiones



## Premios



## PRODUCTO

|            |                                     |
|------------|-------------------------------------|
| Nombre     | BLACK FOSTER SURF 1 SPOT 2700K WTMG |
| Referencia | A3201110WTMG                        |
| Color      | Blanco Texturado-Oro metalizado     |
| RAL        | Acabado metalizado                  |
| Categoría  | SURFACE                             |

## FUENTE DE LUZ

|                                  |                  |
|----------------------------------|------------------|
| Tipo                             | LED              |
| Flujo luminoso                   | 190 lm           |
| Temperatura de color             | 2700 K           |
| Estabilidad cromática            | MacAdam Step 3   |
| Índice de reproducción cromática | CRI>90           |
| Potencia                         | 2,1 W            |
| Corriente                        | 700 mA           |
| Eficacia                         | 90 lm/W          |
| Horas de vida del LED            | L90B10 >102.000h |
| Eficiencia energética            | G                |

## LUMINARIA | DATOS FOTOMÉTRICOS

|                       |     |
|-----------------------|-----|
| Eficiencia lumínica   | 90% |
| Ángulo del haz de luz | 19° |

## LUMINARIA | DATOS ELÉCTRICOS

|                              |                          |
|------------------------------|--------------------------|
| Driver                       | Incluido                 |
| Potencia del sistema         | 3,11 W                   |
| Tensión                      | 220V/240V                |
| Frecuencia                   | 50/60 Hz                 |
| Regulación                   | No Dim                   |
| Clase de seguridad eléctrica | <input type="checkbox"/> |

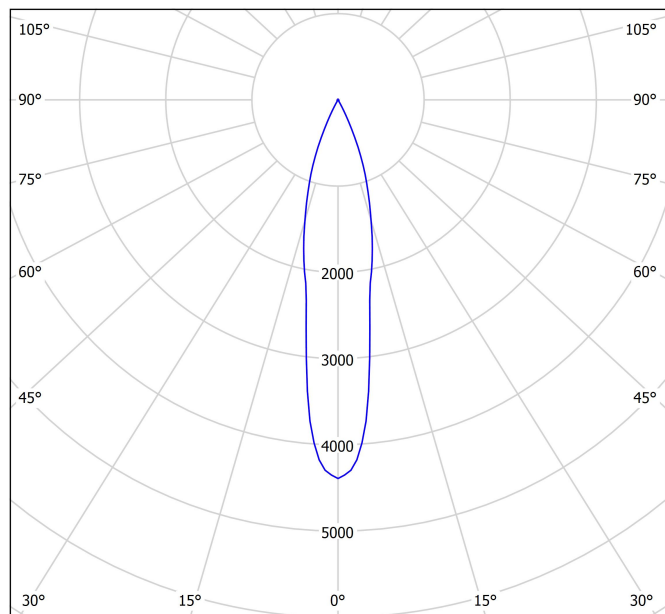
## OTROS DATOS

|                       |   |
|-----------------------|---|
| Estanqueidad          | IP20  |
| Peso                  | 260 g   |
| Peso con embalaje     | 310 g   |
| Dimensiones embalaje  | 254 x 93 x 70 mm  |
| Unidades por embalaje | 1   |
| Materiales            | Aluminio / Acrilonitrilo Butadieno Estireno / Policarbonato |



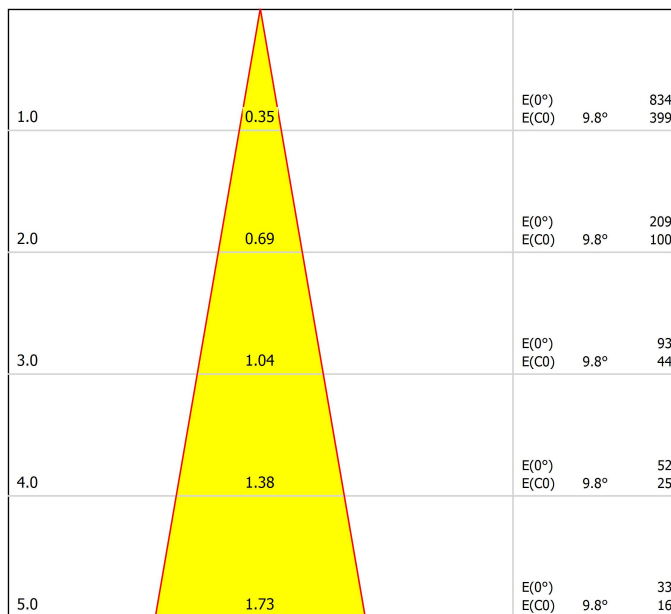
Black Foster Surface es la luminaria que traslada el aclamado efecto «The Invisible Black» a un sistema lineal de aplicación en superficie. Black Foster adquiere una presencia liviana en el interiorismo gracias a su pequeño tamaño y a su bajísimo deslumbramiento, que le ayuda a no adquirir demasiado protagonismo.

## Diagrama polar



cd/klm  $\eta = 90\%$   
 — C0 - C180 — C90 - C270

## Diagrama cónico



Distance [m] Cone Diameter [m] Illuminance [lx]  
 — C0 - C180 (Half-value Angle: 19.6°)

## 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  | -3.5   | -2.8 | -3.2 | -2.6 | -2.4 | -3.5                                    | -2.8 | -3.2 | -2.6 | -2.4 |
|  | 3H  | 0.4  | 1.0  | 0.7  | 1.3  | 1.5  | 0.4                                     | 1.0  | 0.7  | 1.3  | 1.5  |
|  | 4H  | 2.9  | 3.4  | 3.2  | 3.7  | 3.9  | 2.9                                     | 3.4  | 3.2  | 3.7  | 3.9  |
|  | 6H  | 4.6  | 5.1  | 4.9  | 5.4  | 5.7  | 4.6                                     | 5.1  | 4.9  | 5.4  | 5.7  |
|  | 8H  | 5.8  | 6.3  | 6.2  | 6.6  | 6.9  | 5.8                                     | 6.3  | 6.2  | 6.6  | 6.9  |
| 12H  | 7.2 | 7.6  | 7.5  | 7.9  | 8.2  | 7.2  | 7.6                                     | 7.5  | 7.9  | 8.2  |      |
| 4H   | 2H  | -1.8   | -1.3 | -1.5 | -1.0 | -0.8 | -1.8                                    | -1.3 | -1.5 | -1.0 | -0.8 |
|  | 3H  | 1.9  | 2.4  | 2.3  | 2.7  | 3.0  | 1.9                                     | 2.4  | 2.3  | 2.7  | 3.0  |
|  | 4H  | 4.4  | 4.8  | 4.7  | 5.1  | 5.4  | 4.4                                     | 4.8  | 4.7  | 5.1  | 5.4  |
|  | 6H  | 6.3  | 6.6  | 6.7  | 7.0  | 7.3  | 6.3                                     | 6.6  | 6.7  | 7.0  | 7.3  |
|  | 8H  | 7.6  | 7.9  | 8.0  | 8.3  | 8.7  | 7.6                                     | 7.9  | 8.0  | 8.3  | 8.7  |
| 12H  | 9.1 | 9.3  | 9.5  | 9.7  | 10.1 | 9.1  | 9.3                                     | 9.5  | 9.7  | 10.1 |      |
| 8H   | 4H  | 5.1  | 5.4  | 5.5  | 5.8  | 6.2  | 5.1                                     | 5.4  | 5.5  | 5.8  | 6.2  |
|  | 6H  | 7.3  | 7.5  | 7.7  | 7.9  | 8.4  | 7.3                                     | 7.5  | 7.7  | 7.9  | 8.4  |
|  | 8H  | 8.9  | 9.1  | 9.3  | 9.5  | 10.0 | 8.9                                     | 9.1  | 9.3  | 9.5  | 10.0 |
|  | 12H | 10.5   | 10.7 | 11.0 | 11.1 | 11.6 | 10.5                                    | 10.7 | 11.0 | 11.1 | 11.6 |
|  | 12H | 4H   | 5.3  | 5.5  | 5.7  | 5.9  | 6.4                                     | 5.3  | 5.5  | 5.7  | 5.9  |
| 6H   |     | 7.7  | 7.8  | 8.1  | 8.3  | 8.7  | 7.7                                     | 7.8  | 8.1  | 8.3  | 8.7  |
| 8H   |     | 9.4  | 9.5  | 9.9  | 10.0 | 10.5 | 9.4                                     | 9.5  | 9.9  | 10.0 | 10.5 |
| 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 190lm 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 de 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

