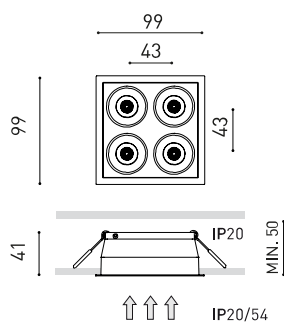




## DIMENSIONES



## PREMIOS



## PRODUCTO

|            |                                                  |
|------------|--------------------------------------------------|
| Nombre     | BLACK FOSTER REC IP54 2X2 FLOOD DIM PUSH 3000K N |
| Referencia | A5465021N                                        |
| Color      | Negro                                            |
| RAL        | 9005                                             |
| Categoría  | CEILING RECESSED                                 |

## FUENTE DE LUZ

|                                  |                   |
|----------------------------------|-------------------|
| Tipo                             | LED               |
| Flujo Luminoso                   | 840 lm            |
| Temperatura de color             | 3000 K            |
| Estabilidad cromática            | MacAdam Step 3    |
| Índice de reproducción cromática | CRI > 90          |
| Potencia                         | 8,4 W             |
| Corriente                        | 700 mA            |
| Eficacia                         | 100 lm/W          |
| Horas de Vida del LED            | L90B10 > 102.000h |

## LUMINARIA | DATOS FOTOMÉTRICOS

|                       |     |
|-----------------------|-----|
| Eficiencia Lumínica   | 86% |
| Ángulo del haz de luz | 38° |

## LUMINARIA | DATOS ELÉCTRICOS

|                              |                          |
|------------------------------|--------------------------|
| Driver                       | Incluido - Conectado     |
| Potencia del sistema         | 11,02 W                  |
| Tensión                      | 220V/240V                |
| Frecuencia                   | 50/60 Hz                 |
| Regulación                   | Push                     |
| Clase de seguridad eléctrica | <input type="checkbox"/> |

## OTROS DATOS

|                            |                                             |
|----------------------------|---------------------------------------------|
| Estanqueidad               | IP54                                        |
| Control inalámbrico        | Consultar                                   |
| Alimentación de emergencia | Consultar                                   |
| Medidas de empotramiento   | 93 x 93 mm                                  |
| Peso                       | 221 g                                       |
| Peso con embalaje          | 321 g                                       |
| Dimensiones embalaje       | 178 x 135 x 50 mm                           |
| Unidades por embalaje      | 1                                           |
| Materiales                 | Aluminio / Acrilonitrilo Butadieno Estireno |



Black Foster es el producto que traslada el aclamado efecto «The Invisible Black» a una luminaria lineal de empotramiento aislado, disponible en versión recessed y trimless. La versión con bisel tiene un marco tan fino que, encendida, es visualmente inapreciable y ofrece una estética de «trimless visual». Black Foster destaca por su elevado apantallamiento, su marcado confort visual y por esconder casi por completo la fuente de luz del acceso visual.

DIAGRAMA POLAR

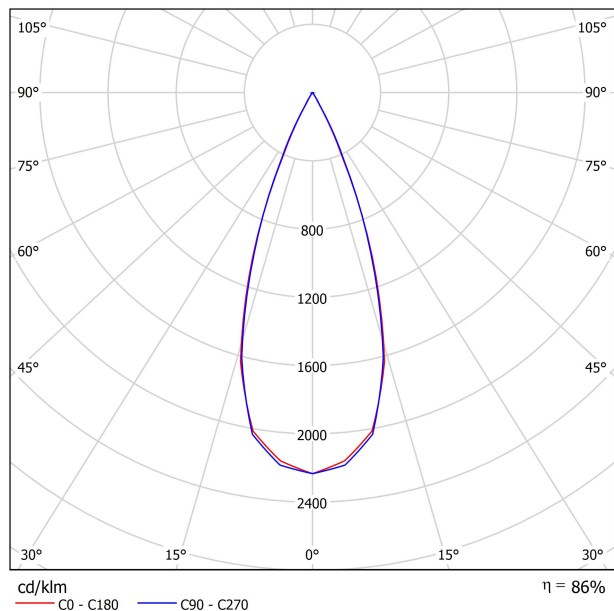
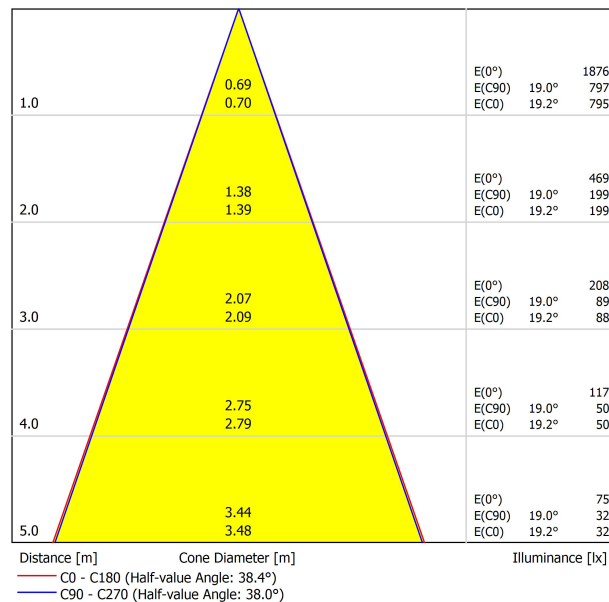


DIAGRAMA CÓNICO



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  | -14.1                                          | -13.5 | -13.9 | -13.3 | -13.1 | -15.0                                   | -14.4 | -14.7 | -14.2 | -14.0 | -14.0 |
|                                                                   | 3H  | -7.8                                           | -7.2  | -7.5  | -7.0  | -6.8  | -7.7                                    | -7.1  | -7.4  | -6.9  | -6.6  | -6.6  |
|                                                                   | 4H  | -4.3                                           | -3.7  | -4.0  | -3.5  | -3.2  | -3.7                                    | -3.2  | -3.4  | -2.9  | -2.7  | -2.7  |
|                                                                   | 6H  | -0.7                                           | -0.1  | -0.3  | 0.1   | 0.4   | -0.3                                    | 0.2   | 0.0   | 0.5   | 0.8   | 0.8   |
|                                                                   | 8H  | 1.2                                            | 1.7   | 1.5   | 2.0   | 2.3   | 1.5                                     | 2.0   | 1.9   | 2.3   | 2.6   | 2.6   |
| 4H                                                                | 12H | 3.2                                            | 3.7   | 3.5   | 4.0   | 4.3   | 3.6                                     | 4.0   | 3.9   | 4.3   | 4.6   | 4.6   |
|                                                                   | 2H  | -11.5                                          | -11.0 | -11.2 | -10.7 | -10.5 | -11.9                                   | -11.4 | -11.6 | -11.1 | -10.9 | -10.9 |
|                                                                   | 3H  | -5.6                                           | -5.1  | -5.2  | -4.8  | -4.5  | -5.4                                    | -4.9  | -5.0  | -4.6  | -4.3  | -4.3  |
|                                                                   | 4H  | -2.1                                           | -1.8  | -1.8  | -1.4  | -1.1  | -1.7                                    | -1.3  | -1.3  | -1.0  | -0.6  | -0.6  |
|                                                                   | 6H  | 1.4                                            | 1.7   | 1.8   | 2.1   | 2.5   | 1.7                                     | 2.0   | 2.1   | 2.4   | 2.8   | 2.8   |
| 8H                                                                | 8H  | 3.3                                            | 3.6   | 3.7   | 4.0   | 4.4   | 3.6                                     | 3.8   | 4.0   | 4.2   | 4.6   | 4.6   |
|                                                                   | 12H | 5.3                                            | 5.6   | 5.8   | 6.0   | 6.4   | 5.6                                     | 5.9   | 6.1   | 6.3   | 6.7   | 6.7   |
|                                                                   | 4H  | -0.6                                           | -0.3  | -0.2  | 0.1   | 0.5   | -0.3                                    | -0.0  | 0.1   | 0.3   | 0.7   | 0.7   |
|                                                                   | 6H  | 3.0                                            | 3.2   | 3.5   | 3.7   | 4.1   | 3.2                                     | 3.4   | 3.7   | 3.9   | 4.3   | 4.3   |
|                                                                   | 8H  | 5.0                                            | 5.2   | 5.5   | 5.6   | 6.1   | 5.2                                     | 5.4   | 5.7   | 5.8   | 6.3   | 6.3   |
| 12H                                                               | 12H | 7.2                                            | 7.3   | 7.7   | 7.8   | 8.3   | 7.4                                     | 7.6   | 7.9   | 8.0   | 8.5   | 8.5   |
|                                                                   | 4H  | -0.1                                           | 0.2   | 0.3   | 0.6   | 1.0   | 0.1                                     | 0.4   | 0.6   | 0.8   | 1.2   | 1.2   |
|                                                                   | 6H  | 3.6                                            | 3.8   | 4.1   | 4.2   | 4.7   | 3.8                                     | 4.0   | 4.3   | 4.4   | 4.9   | 4.9   |
|                                                                   | 8H  | 5.7                                            | 5.8   | 6.2   | 6.3   | 6.8   | 5.9                                     | 6.0   | 6.4   | 6.5   | 7.0   | 7.0   |
| Variation of the observer position for the luminaires distances S |     |                                                |       |       |       |       |                                         |       |       |       |       |       |
| S = 1.0H                                                          |     | +0.9 / -0.3                                    |       |       |       |       | +1.3 / -0.4                             |       |       |       |       |       |
| S = 1.5H                                                          |     | +1.9 / -0.6                                    |       |       |       |       | +2.7 / -0.7                             |       |       |       |       |       |
| S = 2.0H                                                          |     | +3.1 / -0.8                                    |       |       |       |       | +4.2 / -1.0                             |       |       |       |       |       |
| Standard table                                                    |     | ---                                            |       |       |       |       | ---                                     |       |       |       |       |       |
| Correction                                                        |     | ---                                            |       |       |       |       | ---                                     |       |       |       |       |       |
| Summand                                                           |     | ---                                            |       |       |       |       | ---                                     |       |       |       |       |       |
| Corrected Glare Indices referring to 840lm 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



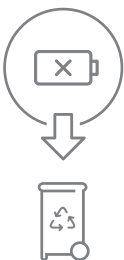
Quitar la(s) fuente(s) de luz para el desecho

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

