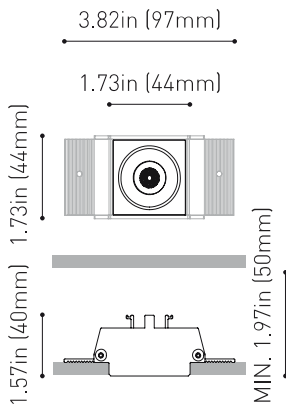




**DIMENSIONS**



**AWARDS**



|           |                                    |
|-----------|------------------------------------|
| Name      | BLACK FOSTER TRI 1 UL SPOT 3000K N |
| Reference | U3181111N                          |
| Color     | Matt black                         |
| Category  | CEILING RECESSED                   |

**PRODUCT**

|                       |                                      |
|-----------------------|--------------------------------------|
| Type                  | LED                                  |
| Gross luminous flux   | Depending on Mounting Accessories Lm |
| Color temperature     | 3000 K                               |
| Chromatic stability   | MacAdam Step 3                       |
| Color Rendering Index | CRI>90                               |
| Power                 | Depending on Mounting Accessories W  |
| Current               | Depending on Mounting Accessories mA |
| LED lifespan          | L90B10>102.000h                      |

**LIGHT SOURCE**

**LIGHTING FIXTURE | PHOTOMETRIC DATA**

|                         |      |
|-------------------------|------|
| Lighting efficiency     | 90%  |
| Delivered luminous flux | 0 Lm |
| Light beam angle        | 19°  |

**LIGHTING FIXTURE | ELECTRICAL DATA**

|                            |                                   |
|----------------------------|-----------------------------------|
| Driver                     | Requires remote driver            |
| Power values of the system | W                                 |
| Frequency                  | Depending on Mounting Accessories |
| Dimming                    | Depending on Mounting Accessories |

**OTHER DATA**

|                        |   |
|------------------------|---|
| IC Rated               | Yes   |
| Environmental location | DAMP  |
| Recess measurements    | 1.97 x 1.97   50 x 50                                       |
| Weight                 | 0.21 lb   94 gr   |
| Packaged weight        | 0.31 lb   141 gr  |
| Packaging dimensions   | 7.60x4.25x2.08 in   193x108x53 mm                           |
| Materials              | Aluminium - Acrylonitrile Butadiene Styrene - Polycarbonate |



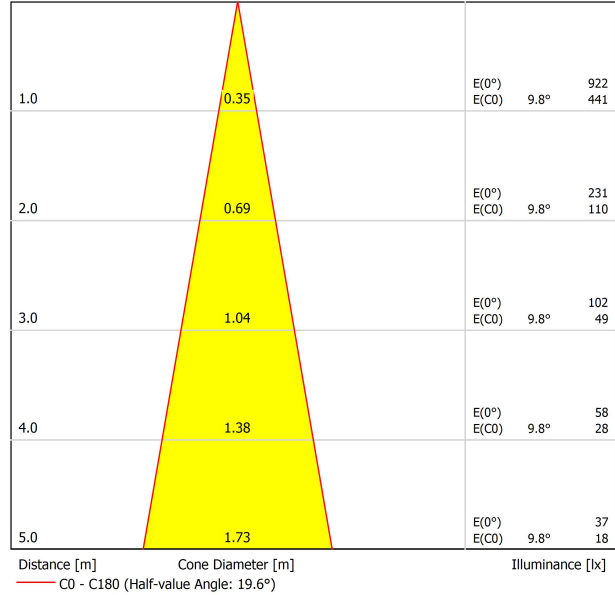
Black Foster is our lineal recessed luminaire with "The invisible black" effect, also available in a trimless version. Hiding the source of light, Black Foster stands out for its visual comfort and its elegance.



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  | Viewing direction at right angles to lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |      |
| X  | Y  |      |      |      |      |   |      |      |      |      |      |
| 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  |
|  | 12H  | 7.5  | 8.0  | 7.9  | 8.3  | 8.6                                     | 7.5  | 8.0  | 7.9  | 8.3  | 8.6  |
| 4H   | 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   | 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 |
| 8H   | 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  | 10.9 | 11.0 | 11.4 | 11.5 | 12.0                                    | 10.9 | 11.0 | 11.4 | 11.5 | 12.0 |
| 12H  | 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   |  |      |      |      |      |   |      |      |      |      |      |

GUÍA DE INSTALACIÓN



<https://youtu.be/SVWNEfbfVY>