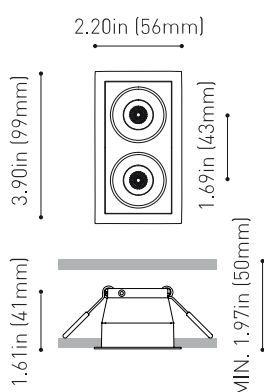




## DIMENSIONS



## Awards



INTERIOR  
DESIGN

## PRODUCT

|           |                                    |
|-----------|------------------------------------|
| Name      | BLACK FOSTER REC 2 UL SPOT 2700K N |
| Reference | U3192110N                          |
| Color     | Matt black                         |
| RAL       | 9005                               |
| Category  | CEILING RECESSED                   |

## MOUNTING ACCESSORY / DRIVER

|                             |                                        |
|-----------------------------|----------------------------------------|
| Mounting Accessory / Driver | Mandatory, not included. See next page |
| Model                       | REMOTE BOX 1-16W 450mA                 |
| Reference                   | U100011801                             |

## LIGHT SOURCE

|                       |                 |
|-----------------------|-----------------|
| Type                  | LED             |
| Gross luminous flux   | 260 Lm          |
| Color temperature     | 2700 K          |
| Chromatic stability   | MacAdam Step 3  |
| Color Rendering Index | CRI>90          |
| Power                 | 2.7 W           |
| Current               | 450 mA          |
| Efficacy              | 96 Lm/W         |
| LED lifespan          | L90B10>102.000h |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                         |        |
|-------------------------|--------|
| Lighting efficiency     | 90%    |
| Delivered luminous flux | 234 Lm |
| Light beam angle        | 19     |

## LIGHTING FIXTURE | ELECTRICAL DATA

|                            |           |
|----------------------------|-----------|
| Power values of the system | 4.3 W     |
| Voltage                    | 120-277 V |
| Frequency                  | 50/60 Hz  |
| Dimming                    | 0-10V     |

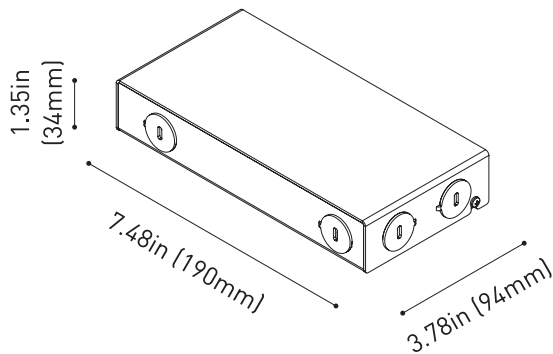
## OTHER DATA

|                        |                                             |
|------------------------|---------------------------------------------|
| IC Rated               | Yes                                         |
| Environmental location | DAMP                                        |
| Weight                 | 0.31 lb   140 gr                            |
| Packaged weight        | 0.47 lb   217 gr                            |
| Packaging dimensions   | 6.22 x 3.85 x 1.96 in   158 x 98 x 50 mm    |
| Materials              | Aluminium / Acrylonitrile Butadiene Styrene |



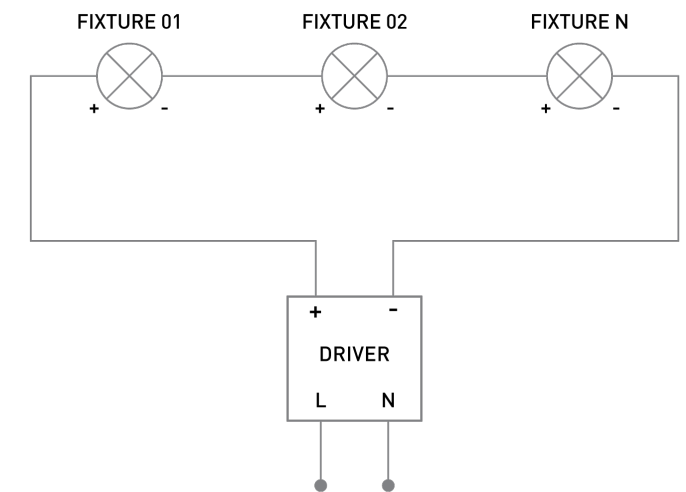
Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual 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.

Mandatory / Not Included



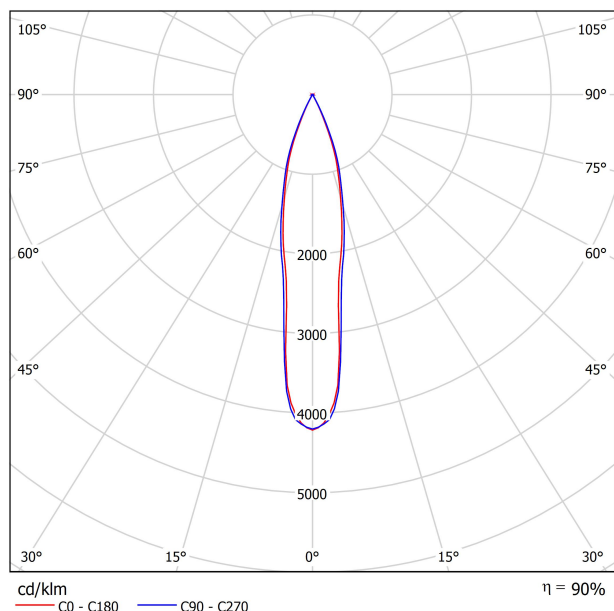
| PRODUCT                |                                           |
|------------------------|-------------------------------------------|
| Model                  | REMOTE BOX 1-16W 450mA                    |
| Driver                 | Included                                  |
| Reference              | U100011801                                |
| IC Rated               | Yes                                       |
| Dimming                | 0-10V                                     |
| Size                   | 7.48 x 3.78 x 1.35 in   190 x 94 x 34 mm  |
| Weight                 | 1.9 lb   860 gr                           |
| Packaged weight        | 2.02 lb   920 gr                          |
| Packaging dimensions   | 9.53 x 4.13 x 1.54 in   242 x 105 x 39 mm |
| Nº Luminaires          | 1 to 5                                    |
| LED - Driver Distance  | 20AWG - 46ft                              |
|                        | 19AWG - 59ft                              |
|                        | 18AWG - 72ft                              |
|                        | 17AWG - 92ft                              |
|                        | 16AWG - 118ft                             |
| INPUT CHARACTERISTICS  |                                           |
| Input Voltage          | 120-277 V                                 |
| Frequency              | 50/60 Hz                                  |
| OUTPUT CHARACTERISTICS |                                           |
| Output Voltage         | 2 - 35 V                                  |
| Output Current         | 450 mA                                    |
| Output Power           | 1 - 16 W                                  |



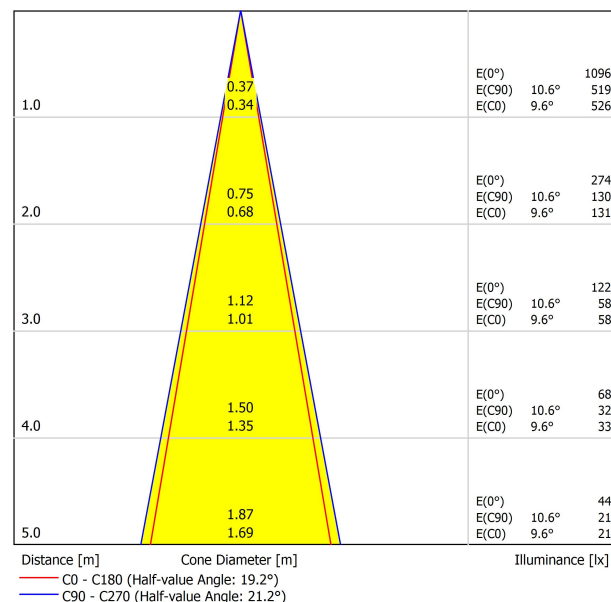


SERIAL CONNECTION FOR SEVERAL FIXTURES TO A SINGLE CONSTANT CURRENT DRIVER  
RESPECT THE DISTANCE LED - DRIVER

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

| Glare Evaluation According to UGR                                |     |                                                   |      |      |      |      |                                            |      |      |      |      |
|------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|--------------------------------------------|------|------|------|------|
| $\rho$ Ceiling                                                   |     | 70                                                | 70   | 50   | 50   | 30   | 70                                         | 70   | 50   | 50   | 30   |
| $\rho$ Walls                                                     |     | 50                                                | 30   | 50   | 30   | 30   | 50                                         | 30   | 50   | 30   | 30   |
| $\rho$ Floor                                                     |     | 20                                                | 20   | 20   | 20   | 20   | 20                                         | 20   | 20   | 20   | 20   |
| Room Size<br>X Y                                                 |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H                                                               | 2H  | 2.9                                               | 3.5  | 3.1  | 3.7  | 3.9  | 2.6                                        | 3.2  | 2.8  | 3.4  | 3.6  |
|                                                                  | 3H  | 6.6                                               | 7.2  | 6.9  | 7.4  | 7.7  | 6.1                                        | 6.7  | 6.4  | 6.9  | 7.2  |
|                                                                  | 4H  | 8.5                                               | 9.1  | 8.8  | 9.3  | 9.6  | 8.1                                        | 8.7  | 8.4  | 9.0  | 9.2  |
|                                                                  | 6H  | 10.5                                              | 11.1 | 10.9 | 11.4 | 11.6 | 10.2                                       | 10.7 | 10.5 | 11.0 | 11.3 |
|                                                                  | 8H  | 11.6                                              | 12.2 | 12.0 | 12.5 | 12.8 | 11.5                                       | 12.0 | 11.8 | 12.3 | 12.6 |
|                                                                  | 12H | 13.0                                              | 13.5 | 13.3 | 13.8 | 14.1 | 12.8                                       | 13.3 | 13.1 | 13.6 | 13.9 |
| 4H                                                               | 2H  | 3.9                                               | 4.5  | 4.2  | 4.8  | 5.0  | 3.7                                        | 4.3  | 4.0  | 4.6  | 4.8  |
|                                                                  | 3H  | 7.8                                               | 8.3  | 8.2  | 8.6  | 8.9  | 7.5                                        | 8.0  | 7.9  | 8.3  | 8.6  |
|                                                                  | 4H  | 9.9                                               | 10.3 | 10.2 | 10.6 | 11.0 | 9.7                                        | 10.1 | 10.0 | 10.4 | 10.8 |
|                                                                  | 6H  | 12.1                                              | 12.5 | 12.5 | 12.9 | 13.2 | 11.9                                       | 12.2 | 12.3 | 12.6 | 13.0 |
|                                                                  | 8H  | 13.4                                              | 13.7 | 13.8 | 14.1 | 14.5 | 13.3                                       | 13.6 | 13.7 | 14.0 | 14.4 |
|                                                                  | 12H | 14.8                                              | 15.1 | 15.2 | 15.5 | 15.9 | 14.7                                       | 15.0 | 15.1 | 15.4 | 15.8 |
| 8H                                                               | 4H  | 10.7                                              | 11.0 | 11.1 | 11.4 | 11.8 | 10.5                                       | 10.8 | 10.9 | 11.2 | 11.6 |
|                                                                  | 6H  | 13.2                                              | 13.5 | 13.7 | 13.9 | 14.4 | 13.1                                       | 13.3 | 13.5 | 13.7 | 14.2 |
|                                                                  | 8H  | 14.6                                              | 14.8 | 15.1 | 15.3 | 15.8 | 14.6                                       | 14.8 | 15.1 | 15.2 | 15.7 |
|                                                                  | 12H | 16.3                                              | 16.4 | 16.8 | 16.9 | 17.4 | 16.2                                       | 16.4 | 16.7 | 16.8 | 17.3 |
| 12H                                                              | 4H  | 11.0                                              | 11.2 | 11.4 | 11.6 | 12.0 | 10.8                                       | 11.1 | 11.2 | 11.5 | 11.9 |
|                                                                  | 6H  | 13.6                                              | 13.8 | 14.1 | 14.3 | 14.7 | 13.5                                       | 13.7 | 13.9 | 14.1 | 14.6 |
|                                                                  | 8H  | 15.1                                              | 15.3 | 15.6 | 15.7 | 16.2 | 15.1                                       | 15.2 | 15.5 | 15.7 | 16.2 |
| Variation of the observer position for the luminaire distances S |     |                                                   |      |      |      |      |                                            |      |      |      |      |
| S = 1.0H<br>S = 1.5H<br>S = 2.0H                                 |     | +0.2 / -0.1<br>+0.3 / -0.3<br>+0.5 / -0.5         |      |      |      |      | +0.2 / -0.2<br>+0.3 / -0.3<br>+0.5 / -0.5  |      |      |      |      |
| Standard table                                                   |     | ---                                               |      |      |      |      | ---                                        |      |      |      |      |
| Correction                                                       |     | ---                                               |      |      |      |      | ---                                        |      |      |      |      |
| Summand                                                          |     | ---                                               |      |      |      |      | ---                                        |      |      |      |      |
| Corrected Glare Indices referring to 260lm Total Luminous Flux   |     |                                                   |      |      |      |      |                                            |      |      |      |      |