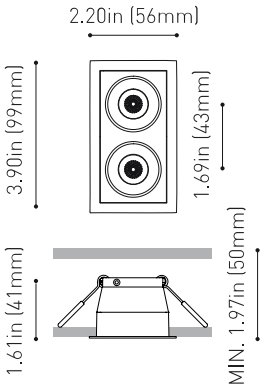
# Black Foster

ARKOSLIGHT



## Dimensions




## Awards

| | |
|---|---|
| | **PRODUCT** |
| **Name** | BLACK FOSTER REC 2 UL FLOOD 3500K N |
| **Reference** | U3192013N |
| **Color** | Matt black |
| **RAL** | 9005 |
| **Category** | CEILING RECESSED |

| | |
|---|---|
| | **MOUNTING ACCESSORY / DRIVER** |
| **Mounting Accessory / Driver** | Mandatory, not included. See Mounting acc. Page |
| **Model** | REMOTE BOX 1-16W 450mA |
| **Reference** | U100011801 |

| | |
|---|---|
| | **LIGHT SOURCE** |
| **Type** | LED |
| **Gross luminous flux** | 310 Lm |
| **Color temperature** | 3500 K |
| **Chromatic stability** | MacAdam Step 3 |
| **Color Rendering Index** | CRI>90 |
| **Power** | 2.7 W |
| **Current** | 450 mA |
| **Efficacy** | 114 Lm/W |
| **LED lifespan** | L90B10>102.000h |

| | |
|---|---|
| | **LIGHTING FIXTURE \| PHOTOMETRIC DATA** |
| **Lighting efficiency** | 92% |
| **Delivered luminous flux** | 285 Lm |
| **Light beam angle** | 38° |

| | |
|---|---|
| | **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 clarity of the object " 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.

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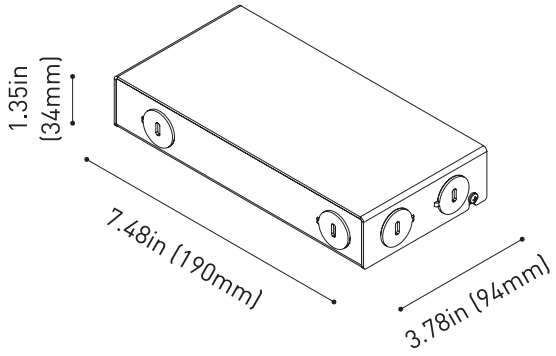


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# Mounting Accessory / Driver

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## 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<br>19AWG - 59ft<br>18AWG - 72ft<br>17AWG - 92ft<br>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 |

Intertek

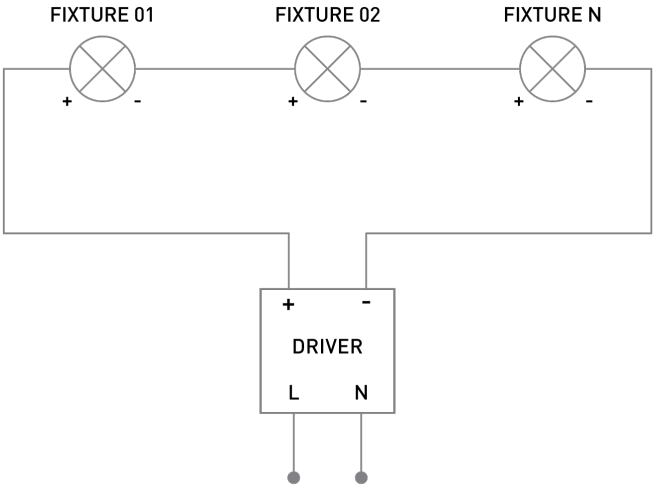
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# Wiring Diagram

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

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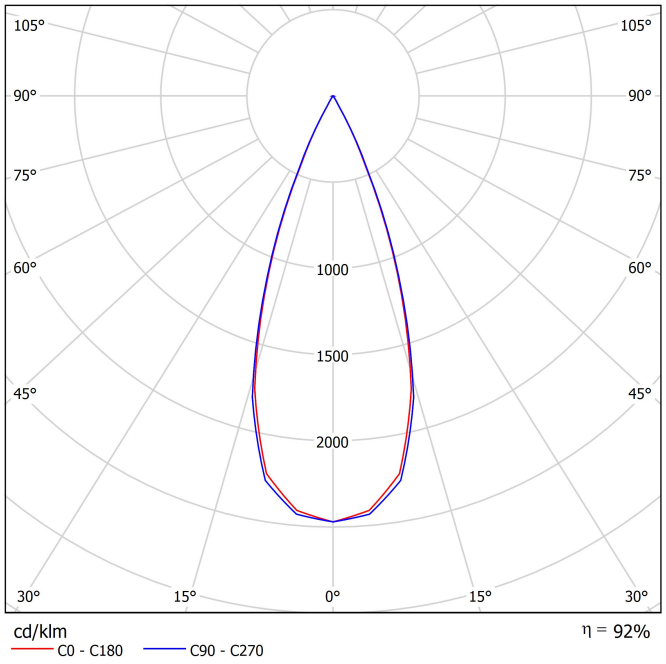


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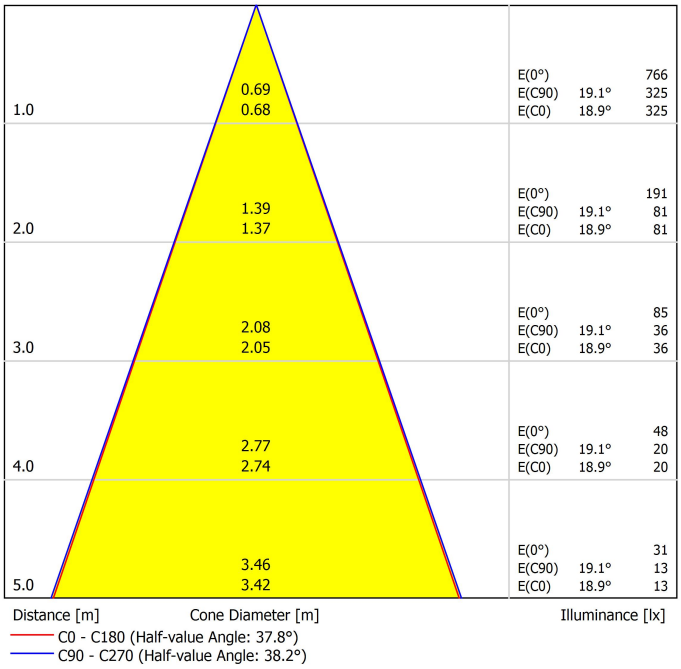
# Lighting Technical Data

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## 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 X | Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | -4.2 | -3.6 | -4.0 | -3.4 | -3.2 | -3.5 | -2.9 | -3.3 | -2.7 | -2.5 |
| | 3H | -3.2 | -2.6 | -2.9 | -2.4 | -2.2 | -2.6 | -2.0 | -2.3 | -1.8 | -1.6 |
| | 4H | -1.9 | -1.3 | -1.6 | -1.1 | -0.8 | -1.3 | -0.7 | -1.0 | -0.5 | -0.2 |
| | 6H | 0.6 | 1.1 | 0.9 | 1.3 | 1.6 | 0.9 | 1.4 | 1.2 | 1.7 | 2.0 |
| | 8H | 2.1 | 2.6 | 2.5 | 2.9 | 3.2 | 2.3 | 2.8 | 2.7 | 3.1 | 3.4 |
| | 12H | 3.9 | 4.4 | 4.3 | 4.7 | 5.0 | 4.1 | 4.6 | 4.5 | 4.9 | 5.2 |
| 4H | 2H | -4.1 | -3.6 | -3.8 | -3.3 | -3.0 | -3.5 | -2.9 | -3.2 | -2.7 | -2.4 |
| | 3H | -2.5 | -2.0 | -2.1 | -1.7 | -1.4 | -2.0 | -1.5 | -1.7 | -1.2 | -0.9 |
| | 4H | -0.6 | -0.3 | -0.3 | 0.1 | 0.4 | -0.2 | 0.2 | 0.2 | 0.5 | 0.9 |
| | 6H | 2.2 | 2.5 | 2.6 | 2.9 | 3.3 | 2.4 | 2.8 | 2.8 | 3.1 | 3.5 |
| | 8H | 3.9 | 4.2 | 4.3 | 4.6 | 5.0 | 4.1 | 4.4 | 4.5 | 4.7 | 5.1 |
| | 12H | 5.9 | 6.1 | 6.3 | 6.5 | 6.9 | 6.0 | 6.2 | 6.4 | 6.6 | 7.1 |
| 8H | 4H | 0.4 | 0.7 | 0.8 | 1.0 | 1.4 | 0.7 | 1.0 | 1.1 | 1.4 | 1.8 |
| | 6H | 3.5 | 3.7 | 4.0 | 4.2 | 4.6 | 3.7 | 3.9 | 4.1 | 4.3 | 4.8 |
| | 8H | 5.4 | 5.6 | 5.9 | 6.0 | 6.5 | 5.5 | 5.7 | 6.0 | 6.1 | 6.6 |
| | 12H | 7.6 | 7.7 | 8.0 | 8.2 | 8.7 | 7.6 | 7.8 | 8.1 | 8.2 | 8.7 |
| 12H | 4H | 0.8 | 1.0 | 1.2 | 1.4 | 1.8 | 1.1 | 1.3 | 1.5 | 1.7 | 2.1 |
| | 6H | 4.0 | 4.2 | 4.5 | 4.6 | 5.1 | 4.2 | 4.3 | 4.6 | 4.8 | 5.3 |
| | 8H | 6.0 | 6.2 | 6.5 | 6.6 | 7.1 | 6.1 | 6.2 | 6.6 | 6.7 | 7.2 |

Variation of the observer position for the luminaire distances S

| | | |
|---|---|---|
| S = 1.0H | +0.5 / -0.3 | +0.6 / -0.3 |
| S = 1.5H | +1.1 / -0.5 | +1.3 / -0.5 |
| S = 2.0H | +1.9 / -0.8 | +2.3 / -0.8 |
| Standard table | --- | --- |
| Correction Summand | --- | --- |

Corrected Glare Indices referring to 310lm Total Luminous Flux


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