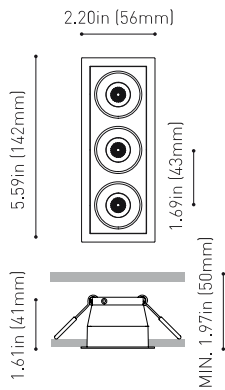




DIMENSIONS



| | |
|------------------|-------------------------------------|
| Name | BLACK FOSTER REC 3 UL SPOT 3000K WN |
| Reference | U3193111WN |
| Color | White-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 efficiency | 90% |
| Delivered luminous flux | 0 Lm |
| Light beam angle | 19° |

LIGHTING FIXTURE | PHOTOMETRIC DATA

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

LIGHTING FIXTURE | ELECTRICAL DATA

| | |
|-------------------------------|---|
| Environmental location | DAMP |
| Weight | 0.45 lb 205 gr |
| Packaged weight | 0.61 lb 275 gr |
| Packaging dimensions | 6.97x4.09x2.17 in 177x104x55 mm |
| Materials | Aluminium / Acrylonitrile Butadiene Styrene |

OTHER DATA



AWARDS



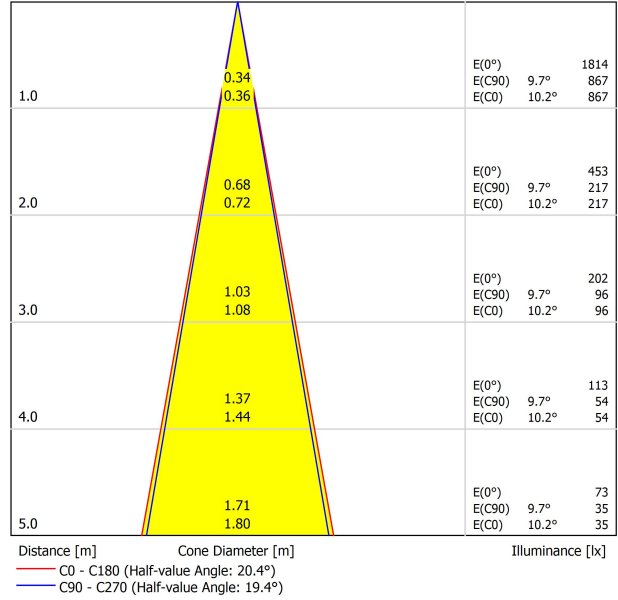
Black Foster is the product that transfers the claimed effect " The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual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



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 | 4.0 | 4.7 | 4.2 | 4.9 | 5.1 | 4.1 | 4.8 | 4.3 | 5.0 | 5.2 |
| | 3H | 7.5 | 8.2 | 7.8 | 8.4 | 8.6 | 7.6 | 8.2 | 7.9 | 8.5 | 8.7 |
| | 4H | 9.4 | 10.0 | 9.7 | 10.3 | 10.5 | 9.5 | 10.1 | 9.8 | 10.4 | 10.6 |
| | 6H | 11.5 | 12.1 | 11.9 | 12.4 | 12.6 | 11.5 | 12.1 | 11.9 | 12.4 | 12.7 |
| | 8H | 12.7 | 13.3 | 13.1 | 13.6 | 13.9 | 12.8 | 13.4 | 13.2 | 13.7 | 14.0 |
| | 12H | 14.1 | 14.6 | 14.4 | 14.9 | 15.2 | 14.2 | 14.7 | 14.6 | 15.0 | 15.3 |
| 4H | 2H | 5.0 | 5.6 | 5.3 | 5.9 | 6.1 | 5.1 | 5.7 | 5.4 | 5.9 | 6.2 |
| | 3H | 8.8 | 9.3 | 9.2 | 9.6 | 10.0 | 8.9 | 9.4 | 9.2 | 9.7 | 10.0 |
| | 4H | 10.9 | 11.3 | 11.3 | 11.7 | 12.0 | 11.0 | 11.5 | 11.4 | 11.8 | 12.1 |
| | 6H | 13.2 | 13.5 | 13.6 | 13.9 | 14.3 | 13.2 | 13.6 | 13.6 | 13.9 | 14.3 |
| | 8H | 14.5 | 14.8 | 14.9 | 15.2 | 15.6 | 14.6 | 14.9 | 15.0 | 15.3 | 15.7 |
| | 12H | 16.0 | 16.2 | 16.4 | 16.6 | 17.1 | 16.1 | 16.3 | 16.5 | 16.7 | 17.2 |
| 8H | 4H | 11.7 | 12.1 | 12.1 | 12.4 | 12.8 | 11.8 | 12.2 | 12.2 | 12.5 | 12.9 |
| | 6H | 14.3 | 14.5 | 14.7 | 14.9 | 15.4 | 14.3 | 14.5 | 14.7 | 15.0 | 15.4 |
| | 8H | 15.8 | 16.0 | 16.2 | 16.4 | 16.9 | 15.8 | 16.0 | 16.3 | 16.5 | 17.0 |
| | 12H | 17.4 | 17.6 | 17.9 | 18.1 | 18.6 | 17.5 | 17.7 | 18.0 | 18.1 | 18.6 |
| 12H | 4H | 12.0 | 12.3 | 12.4 | 12.7 | 13.1 | 12.1 | 12.3 | 12.5 | 12.7 | 13.2 |
| | 6H | 14.6 | 14.8 | 15.1 | 15.3 | 15.7 | 14.6 | 14.8 | 15.1 | 15.3 | 15.8 |
| | 8H | 16.2 | 16.4 | 16.7 | 16.8 | 17.3 | 16.3 | 16.5 | 16.8 | 16.9 | 17.4 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | |
| S = 1.0H | +0.2 / -0.2 | | | | | +0.2 / -0.2 | | | | | |
| S = 1.5H | +0.3 / -0.3 | | | | | +0.3 / -0.3 | | | | | |
| S = 2.0H | +0.5 / -0.6 | | | | | +0.5 / -0.6 | | | | | |
| Standard table Correction Summand | --- | | | | | --- | | | | | |
| Corrected Glare Indices referring to 420lm Total Luminous Flux | | | | | | | | | | | |