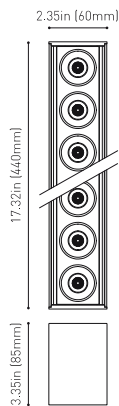




## DIMENSIONS



## AWARDS



|           |                                       |
|-----------|---------------------------------------|
| Name      | BLACK FOSTER SURF 10 UL SPOT 3000K NT |
| Reference | U3205111NT                            |
| Color     | Textured black                        |
| Category  | SURFACE                               |

## PRODUCT

|                       |                 |
|-----------------------|-----------------|
| Type                  | LED             |
| Gross luminous flux   | 2100 Lm         |
| Color temperature     | 3000 K          |
| Chromatic stability   | MacAdam Step 3  |
| Color Rendering Index | CRI>90          |
| Power                 | 21 W            |
| Current               | 700 mA          |
| LED lifespan          | L80B10 >60.000h |

## LIGHT SOURCE

|                         |         |
|-------------------------|---------|
| Lighting efficiency     | 90%     |
| Delivered luminous flux | 1890 Lm |
| Light beam angle        | 19°     |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                            |  |
|----------------------------|--|
| Driver                     | Included: ERP-PSB series or similar    |
| Power values of the system | 24,00 W                                |
| Frequency                  | 50/60 Hz                               |
| Dimming                    | 0-10V / TRIAC/ELV dimming only at 120V |

## LIGHTING FIXTURE | ELECTRICAL DATA

|                                 |   |
|---------------------------------|---|
| Environmental location          | DAMP  |
| Junction box cover              | Included. For octagonal Junction box                        |
| Junction box cover color        | Textured white. Other finishing, please consult             |
| Junction box cover measurements | Ø4.33 in   Ø110 mm  |
| Weight                          | 3.36 lb   1524 gr   |
| Packaged weight                 | 4.70 lb   2134 gr   |
| Packaging dimensions            | Ø5.04x20.28 in   Ø128x515 mm                                |
| Materials                       | Aluminium - Acrylonitrile Butadiene Styrene - Polycarbonate |

## OTHER DATA

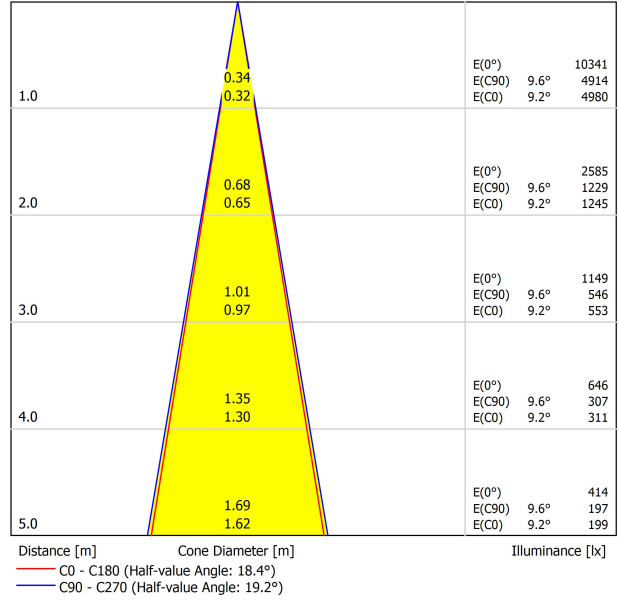


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

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  | 2.2  | 2.8  | 2.4  | 3.0  | 3.2  | 3.0                                     | 3.7  | 3.3  | 3.9  | 4.1  |
|  | 3H  | 5.7  | 6.3  | 5.9  | 6.5  | 6.7  | 6.9                                     | 7.5  | 7.2  | 7.8  | 8.0  |
|  | 4H  | 7.6  | 8.2  | 7.9  | 8.5  | 8.7  | 8.8                                     | 9.3  | 9.1  | 9.6  | 9.8  |
|  | 6H  | 9.9  | 10.4 | 10.2 | 10.7 | 11.0 | 11.0                                    | 11.6 | 11.4 | 11.8 | 12.1 |
|  | 8H  | 11.0   | 11.5 | 11.3 | 11.8 | 12.1 | 12.3                                    | 12.8 | 12.6 | 13.1 | 13.4 |
| 4H   | 2H  | 3.5  | 4.1  | 3.8  | 4.4  | 4.6  | 4.1                                     | 4.7  | 4.4  | 4.9  | 5.2  |
|  | 3H  | 7.3  | 7.7  | 7.6  | 8.0  | 8.4  | 8.1                                     | 8.6  | 8.5  | 8.9  | 9.2  |
|  | 4H  | 9.3  | 9.8  | 9.7  | 10.1 | 10.4 | 10.2                                    | 10.6 | 10.5 | 10.9 | 11.2 |
|  | 6H  | 11.6   | 12.0 | 12.0 | 12.3 | 12.7 | 12.6                                    | 12.9 | 13.0 | 13.3 | 13.7 |
|  | 8H  | 12.8   | 13.2 | 13.3 | 13.5 | 13.9 | 13.9                                    | 14.2 | 14.3 | 14.6 | 15.0 |
| 8H   | 2H  | 14.3   | 14.6 | 14.8 | 15.0 | 15.4 | 15.5                                    | 15.7 | 15.9 | 16.1 | 16.6 |
|  | 4H  | 10.3   | 10.6 | 10.7 | 11.0 | 11.4 | 10.9                                    | 11.2 | 11.3 | 11.6 | 12.0 |
|  | 6H  | 12.8   | 13.0 | 13.2 | 13.4 | 13.9 | 13.5                                    | 13.8 | 14.0 | 14.2 | 14.6 |
|  | 8H  | 14.2   | 14.4 | 14.7 | 14.8 | 15.3 | 15.1                                    | 15.3 | 15.5 | 15.7 | 16.2 |
|  | 12H | 15.8   | 16.0 | 16.3 | 16.5 | 16.9 | 16.8                                    | 17.0 | 17.3 | 17.4 | 17.9 |
| 12H  | 4H  | 10.6   | 10.8 | 11.0 | 11.2 | 11.7 | 11.1                                    | 11.4 | 11.5 | 11.8 | 12.2 |
|  | 6H  | 13.1   | 13.3 | 13.6 | 13.8 | 14.2 | 13.8                                    | 14.0 | 14.3 | 14.5 | 14.9 |
|  | 8H  | 14.7   | 14.8 | 15.2 | 15.3 | 15.8 | 15.5                                    | 15.6 | 15.9 | 16.1 | 16.6 |
| Variation of the observer position for the luminaire distances S |     |  |      |      |      |      |   |      |      |      |      |
| S = 1.0H   |     | +0.2 / -0.1                                    |      |      |      |      | +0.2 / -0.1                             |      |      |      |      |
| S = 1.5H   |     | +0.3 / -0.3                                    |      |      |      |      | +0.3 / -0.3                             |      |      |      |      |
| S = 2.0H   |     | +0.5 / -0.5                                    |      |      |      |      | +0.5 / -0.5                             |      |      |      |      |
| Standard table Correction Summand                                |     | ---  |      |      |      |      | ---                                     |      |      |      |      |
| Corrected Glare Indices referring to 2100lm Total Luminous Flux  |     |  |      |      |      |      |   |      |      |      |      |