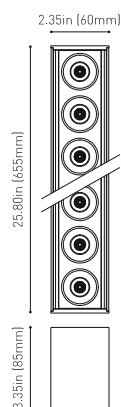




## DIMENSIONS



## AWARDS



|           |                                         |
|-----------|-----------------------------------------|
| Name      | BLACK FOSTER SURF 15 UL SPOT 3500K NTMG |
| Reference | U3206113NTMG                            |
| Color     | Textured black-Metallized gold          |
| Category  | SURFACE                                 |

## PRODUCT

|                       |                 |
|-----------------------|-----------------|
| Type                  | LED             |
| Gross luminous flux   | 3450 Lm         |
| Color temperature     | 3500 K          |
| Chromatic stability   | MacAdam Step 3  |
| Color Rendering Index | CRI>90          |
| Power                 | 31.5 W          |
| Current               | 700 mA          |
| Efficacy              | 109 Lm/W        |
| LED lifespan          | L80B10 >60.000h |

## LIGHT SOURCE

|                         |         |
|-------------------------|---------|
| Lighting efficiency     | 90%     |
| Delivered luminous flux | 3105 Lm |
| Light beam angle        | 19°     |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                            |                                        |
|----------------------------|----------------------------------------|
| Driver                     | Included: ERP-PSB series or similar    |
| Power values of the system | 37,00 W                                |
| Frequency                  | 50/60 Hz                               |
| Dimming                    | 0-10V / TRIAC/ELV dimming only at 120V |

## LIGHTING FIXTURE | ELECTRICAL DATA

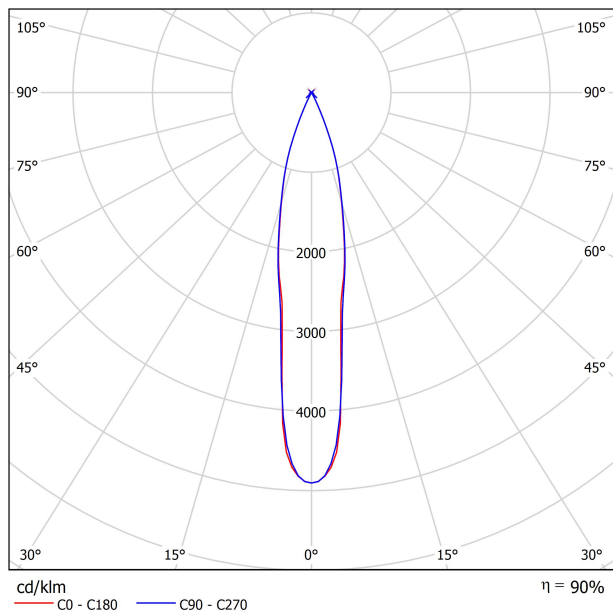
|                                 |                                                             |
|---------------------------------|-------------------------------------------------------------|
| Environmental location          | DAMP                                                        |
| Junction 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                          | 4.52 lb   2050 gr                                           |
| Packaged weight                 | 6.48 lb   2940 gr                                           |
| Packaging dimensions            | Ø5.04x28.74 in   Ø128x730 mm                                |
| Materials                       | Aluminium - Acrylonitrile Butadiene Styrene - Polycarbonate |

## OTHER DATA

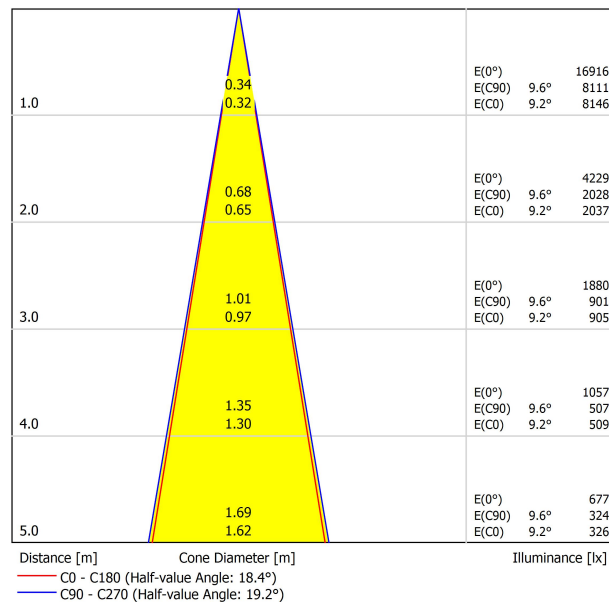


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

| Glare Evaluation According to UGR                                |     |                                                   |      |      |      |      |                                            |      |      |      |      |    |
|------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|--------------------------------------------|------|------|------|------|----|
| ρ Ceiling                                                        |     | 70                                                | 70   | 50   | 50   | 30   | 70                                         | 70   | 50   | 50   | 30   | 30 |
| ρ Walls                                                          |     | 50                                                | 30   | 50   | 30   | 30   | 50                                         | 30   | 50   | 30   | 30   | 30 |
| ρ Floor                                                          |     | 20                                                | 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  | 3.1                                               | 3.8  | 3.4  | 4.0  | 4.2  | 3.7                                        | 4.3  | 3.9  | 4.5  | 4.7  |    |
|                                                                  | 3H  | 6.3                                               | 6.9  | 6.6  | 7.2  | 7.4  | 7.1                                        | 7.7  | 7.4  | 8.0  | 8.2  |    |
|                                                                  | 4H  | 8.2                                               | 8.8  | 8.5  | 9.0  | 9.3  | 9.1                                        | 9.7  | 9.4  | 9.9  | 10.2 |    |
|                                                                  | 6H  | 10.2                                              | 10.8 | 10.6 | 11.1 | 11.3 | 11.3                                       | 11.9 | 11.7 | 12.1 | 12.4 |    |
|                                                                  | 8H  | 11.3                                              | 11.9 | 11.7 | 12.1 | 12.4 | 12.6                                       | 13.1 | 12.9 | 13.4 | 13.7 |    |
|                                                                  | 12H | 12.7                                              | 13.2 | 13.1 | 13.5 | 13.8 | 14.0                                       | 14.5 | 14.3 | 14.8 | 15.1 |    |
| 4H                                                               | 2H  | 4.4                                               | 5.0  | 4.7  | 5.2  | 5.5  | 4.8                                        | 5.3  | 5.1  | 5.6  | 5.8  |    |
|                                                                  | 3H  | 7.8                                               | 8.3  | 8.2  | 8.6  | 8.9  | 8.5                                        | 8.9  | 8.8  | 9.2  | 9.6  |    |
|                                                                  | 4H  | 9.8                                               | 10.2 | 10.2 | 10.6 | 10.9 | 10.6                                       | 11.0 | 10.9 | 11.3 | 11.6 |    |
|                                                                  | 6H  | 12.0                                              | 12.3 | 12.4 | 12.7 | 13.1 | 12.9                                       | 13.3 | 13.3 | 13.6 | 14.0 |    |
|                                                                  | 8H  | 13.2                                              | 13.5 | 13.6 | 13.9 | 14.3 | 14.3                                       | 14.6 | 14.7 | 14.9 | 15.3 |    |
|                                                                  | 12H | 14.6                                              | 14.9 | 15.1 | 15.3 | 15.7 | 15.8                                       | 16.1 | 16.2 | 16.5 | 16.9 |    |
| 8H                                                               | 4H  | 10.7                                              | 11.0 | 11.1 | 11.4 | 11.8 | 11.3                                       | 11.6 | 11.7 | 12.0 | 12.4 |    |
|                                                                  | 6H  | 13.1                                              | 13.3 | 13.5 | 13.8 | 14.2 | 13.9                                       | 14.1 | 14.3 | 14.5 | 15.0 |    |
|                                                                  | 8H  | 14.5                                              | 14.7 | 15.0 | 15.1 | 15.6 | 15.4                                       | 15.6 | 15.9 | 16.0 | 16.5 |    |
|                                                                  | 12H | 16.1                                              | 16.3 | 16.6 | 16.7 | 17.2 | 17.1                                       | 17.3 | 17.6 | 17.8 | 18.3 |    |
| 12H                                                              | 4H  | 11.0                                              | 11.3 | 11.4 | 11.7 | 12.1 | 11.5                                       | 11.7 | 11.9 | 12.1 | 12.6 |    |
|                                                                  | 6H  | 13.5                                              | 13.7 | 13.9 | 14.1 | 14.6 | 14.2                                       | 14.4 | 14.6 | 14.8 | 15.3 |    |
|                                                                  | 8H  | 15.0                                              | 15.1 | 15.5 | 15.6 | 16.1 | 15.8                                       | 15.9 | 16.3 | 16.4 | 16.9 |    |
| 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 3450lm Total Luminous Flux  |     |                                                   |      |      |      |      |                                            |      |      |      |      |    |