



## DIMENSIONS



## AWARDS



|                             |   |
|-----------------------------|---|
| <b>PRODUCT</b>              |   |
| Name                        | BLACK FOSTER SURF 10 2700K NT                               |
| Reference                   | A3205010NT  |
| Color                       | Textured black  |
| RAL                         | 9005  |
| Category                    | SURFACE   |
| <b>LIGHTING INFORMATION</b> |   |
| Light source                | LED   |
| Gross luminous flux         | 1900 Lm   |
| Power                       | 21 W  |
| Power values of the system  | 23,86 W   |
| Colour temperature          | 2700 K  |
| Colour Rendering Index      | CRI>90  |
| Chromatic stability         | Mac Adam Step 3   |
| Light beam angle            | 38°   |
| Unified Glare Rating        | UGR<19  |
| Lighting efficiency         | 90%   |
| Efficacy                    | 90 Lm/W   |
| Current intensity           | 700 mA  |
| Control through bluetooth   | Please Consult  |
| Driver                      | Included  |
| Electrical insulation class | <input type="checkbox"/>                                    |
| Voltage                     | 220 V/240 V   |
| Frequency                   | 50/60 Hz  |
| Energy efficiency           | A   |
| LED lifespan                | L80B10 (Tc=85°C) >60.000h                                   |
| <b>OTHER DATA</b>           |   |
| Ingress Protection          | IP20  |
| Weight                      | 1340 g.   |
| Packaged weight             | 1950 g.   |
| Packaging dimensions        | D128 × 480 mm.  |
| Units per package           | 1   |
| Materials                   | Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate |

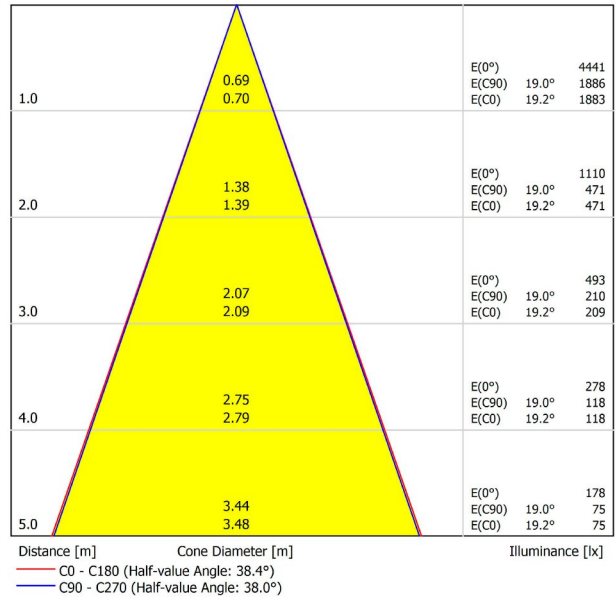


Black Foster Surface is the product that transfers the claimed effect "The Invisible Black" to a linear system in surface application. Black Foster has a very discrete presence in the interior design due to its reduced dimensions and its extremely low glare helping the piece not to gain much prominence.

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

| Glare Evaluation According to UGR                                |             |  |       |       |       |             |   |       |       |       |       |    |    |    |    |
|--|-------------|--|-------|-------|-------|-------------|---|-------|-------|-------|-------|----|----|----|----|
| ρ Ceiling  | 70          | 70   | 50    | 50    | 30    | 70          | 70                                      | 50    | 50    | 30    | 70    | 70 | 50 | 50 | 30 |
| ρ Walls  | 50          | 30   | 50    | 30    | 30    | 50          | 30                                      | 50    | 30    | 30    | 50    | 30 | 50 | 30 | 30 |
| ρ Floor  | 20          | 20   | 20    | 20    | 20    | 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          | -13.9  | -13.3 | -13.7 | -13.1 | -12.9       | -14.7                                   | -14.1 | -14.5 | -13.9 | -13.7 |    |    |    |    |
|  | 3H          | -7.6   | -7.0  | -7.3  | -6.8  | -6.6        | -7.5                                    | -6.9  | -7.2  | -6.6  | -6.4  |    |    |    |    |
|  | 4H          | -4.1   | -3.5  | -3.8  | -3.3  | -3.0        | -3.5                                    | -3.0  | -3.2  | -2.7  | -2.5  |    |    |    |    |
|  | 6H          | -0.4   | 0.1   | -0.1  | 0.3   | 0.6         | -0.1                                    | 0.4   | 0.3   | 0.7   | 1.0   |    |    |    |    |
|  | 8H          | 1.4  | 1.9   | 1.7   | 2.2   | 2.5         | 1.7                                     | 2.2   | 2.1   | 2.5   | 2.8   |    |    |    |    |
| 12H  | 3.4         | 3.9  | 3.7   | 4.2   | 4.5   | 3.8         | 4.2                                     | 4.1   | 4.5   | 4.8   |       |    |    |    |    |
| 4H   | 2H          | -11.3  | -10.8 | -11.0 | -10.5 | -10.3       | -11.7                                   | -11.1 | -11.4 | -10.9 | -10.6 |    |    |    |    |
|  | 3H          | -5.4   | -4.9  | -5.0  | -4.6  | -4.3        | -5.2                                    | -4.7  | -4.8  | -4.4  | -4.1  |    |    |    |    |
|  | 4H          | -1.9   | -1.5  | -1.6  | -1.2  | -0.9        | -1.5                                    | -1.1  | -1.1  | -0.8  | -0.4  |    |    |    |    |
|  | 6H          | 1.6  | 1.9   | 2.0   | 2.3   | 2.7         | 1.9                                     | 2.3   | 2.3   | 2.6   | 3.0   |    |    |    |    |
|  | 8H          | 3.5  | 3.8   | 3.9   | 4.2   | 4.6         | 3.8                                     | 4.1   | 4.2   | 4.4   | 4.8   |    |    |    |    |
| 12H  | 5.5         | 5.8  | 6.0   | 6.2   | 6.6   | 5.9         | 6.1                                     | 6.3   | 6.5   | 6.9   |       |    |    |    |    |
| 8H   | 4H          | -0.4   | -0.1  | 0.0   | 0.3   | 0.7         | -0.1                                    | 0.2   | 0.3   | 0.6   | 1.0   |    |    |    |    |
|  | 6H          | 3.2  | 3.5   | 3.7   | 3.9   | 4.3         | 3.5                                     | 3.7   | 3.9   | 4.1   | 4.5   |    |    |    |    |
|  | 8H          | 5.2  | 5.4   | 5.7   | 5.8   | 6.3         | 5.4                                     | 5.6   | 5.9   | 6.0   | 6.5   |    |    |    |    |
|  | 12H         | 7.4  | 7.5   | 7.9   | 8.0   | 8.5         | 7.6                                     | 7.8   | 8.1   | 8.2   | 8.7   |    |    |    |    |
| 12H  | 4H          | 0.1  | 0.4   | 0.6   | 0.8   | 1.2         | 0.4                                     | 0.6   | 0.8   | 1.0   | 1.4   |    |    |    |    |
|  | 6H          | 3.8  | 4.0   | 4.3   | 4.5   | 4.9         | 4.0                                     | 4.2   | 4.5   | 4.6   | 5.1   |    |    |    |    |
|  | 8H          | 5.9  | 6.0   | 6.4   | 6.5   | 7.0         | 6.1                                     | 6.2   | 6.6   | 6.7   | 7.2   |    |    |    |    |
| Variation of the observer position for the luminaire distances S |             |  |       |       |       |             |   |       |       |       |       |    |    |    |    |
| S = 1.0H   | +0.9 / -0.3 |  |       |       |       | +1.3 / -0.4 |   |       |       |       |       |    |    |    |    |
| S = 1.5H   | +1.9 / -0.6 |  |       |       |       | +2.7 / -0.7 |   |       |       |       |       |    |    |    |    |
| S = 2.0H   | +3.1 / -0.8 |  |       |       |       | +4.2 / -1.0 |   |       |       |       |       |    |    |    |    |
| Standard table   | ---         |  |       |       |       | ---         |   |       |       |       |       |    |    |    |    |
| Correction Summand   | ---         |  |       |       |       | ---         |   |       |       |       |       |    |    |    |    |
| Corrected Glare Indices referring to 1900lm Total Luminous Flux  |             |  |       |       |       |             |   |       |       |       |       |    |    |    |    |