

# Black Foster Suspension

# ARKOSLIGHT



## DIMENSIONS



## AWARDS



## PRODUCT

|           |   |
|-----------|---|
| Name      | BLACK FOSTER SUSP 1600 UL SPOT 3500K WTMG |
| Reference | U3212113WTMG                              |
| Color     | Textured white-Metallized gold            |
| Category  | Suspension                                |

## LIGHT SOURCE

|                       |                 |
|-----------------------|-----------------|
| 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          | L90B10>102.000h |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

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

## LIGHTING FIXTURE | ELECTRICAL 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 |

## OTHER 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 | Ø5.51 in   Ø140 mm  |
| Cord Length                     | MAX. 3.05 m   |
| Fast adjustment tensioner       | Yes   |
| Weight                          | 9.42 lb   4275 gr   |
| Packaged weight                 | 13.01 lb   5900 gr  |
| Packaging dimensions            | Ø6.10x68.31 in   Ø155x1735 mm                               |
| Materials                       | Aluminium - Acrylonitrile Butadiene Styrene - Polycarbonate |

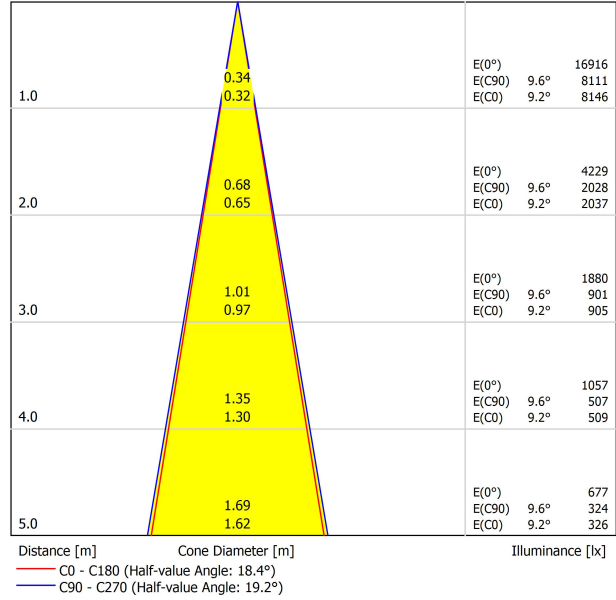


Black Foster Suspension is the product that transfers the claimed effect "The Invisible Black" to a linear suspended system. It is composed by a series of modules which combine light emissions with dark segments. Nevertheless, wether if it is On or Off, Black Foster always preserves the aesthetic of a perfect dark line.

## 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  | -0.4   | 0.2  | -0.2 | 0.4  | 0.6  | 0.1                                     | 0.8  | 0.3  | 0.9  | 1.1  |
|  | 3H  | 2.8  | 3.4  | 3.0  | 3.6  | 3.8  | 3.6                                     | 4.2  | 3.8  | 4.4  | 4.6  |
|  | 4H  | 4.6  | 5.2  | 4.9  | 5.4  | 5.7  | 5.5                                     | 6.1  | 5.8  | 6.3  | 6.6  |
|  | 6H  | 6.7  | 7.2  | 7.0  | 7.5  | 7.8  | 7.8                                     | 8.3  | 8.1  | 8.6  | 8.8  |
|  | 8H  | 7.8  | 8.3  | 8.1  | 8.6  | 8.9  | 9.0                                     | 9.5  | 9.3  | 9.8  | 10.1 |
| 4H   | 2H  | 0.8  | 1.4  | 1.1  | 1.7  | 1.9  | 1.2                                     | 1.8  | 1.5  | 2.0  | 2.3  |
|  | 3H  | 4.2  | 4.7  | 4.6  | 5.0  | 5.3  | 4.9                                     | 5.4  | 5.2  | 5.7  | 6.0  |
|  | 4H  | 6.2  | 6.6  | 6.6  | 7.0  | 7.3  | 7.0                                     | 7.4  | 7.3  | 7.7  | 8.1  |
|  | 6H  | 8.4  | 8.8  | 8.8  | 9.1  | 9.5  | 9.4                                     | 9.7  | 9.8  | 10.1 | 10.4 |
|  | 8H  | 9.6  | 9.9  | 10.0 | 10.3 | 10.7 | 10.7                                    | 11.0 | 11.1 | 11.4 | 11.8 |
| 8H   | 2H  | 11.0   | 11.3 | 11.5 | 11.7 | 12.1 | 12.2                                    | 12.5 | 12.6 | 12.9 | 13.3 |
|  | 4H  | 7.1  | 7.5  | 7.6  | 7.8  | 8.2  | 7.7                                     | 8.0  | 8.1  | 8.4  | 8.8  |
|  | 6H  | 9.5  | 9.8  | 10.0 | 10.2 | 10.6 | 10.3                                    | 10.5 | 10.7 | 11.0 | 11.4 |
|  | 8H  | 10.9   | 11.1 | 11.4 | 11.6 | 12.0 | 11.8                                    | 12.0 | 12.3 | 12.5 | 12.9 |
|  | 12H | 12.5   | 12.7 | 13.0 | 13.2 | 13.7 | 13.6                                    | 13.7 | 14.1 | 14.2 | 14.7 |
| 12H  | 4H  | 7.4  | 7.7  | 7.8  | 8.1  | 8.5  | 7.9                                     | 8.2  | 8.3  | 8.6  | 9.0  |
|  | 6H  | 9.9  | 10.1 | 10.4 | 10.5 | 11.0 | 10.6                                    | 10.8 | 11.0 | 11.2 | 11.7 |
|  | 8H  | 11.4   | 11.6 | 11.9 | 12.0 | 12.5 | 12.2                                    | 12.4 | 12.7 | 12.8 | 13.3 |
| 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  |     |  |      |      |      |      |   |      |      |      |      |