

# Black Foster Suspension

ARKOSLIGHT



## DIMENSIONS



## AWARDS



## PRODUCT

|           |   |
|-----------|---|
| Name      | BLACK FOSTER SUSP 1600 UL FLOOD DIM ON BOARD 4000K WT |
| Reference | U3212052WT  |
| Color     | Textured white  |
| Category  | Suspension  |

## LIGHT SOURCE

|                       |                 |
|-----------------------|-----------------|
| Type                  | LED             |
| Gross luminous flux   | 3750 Lm         |
| Color temperature     | 4000 K          |
| Chromatic stability   | MacAdam Step 3  |
| Color Rendering Index | CRI>90          |
| Power                 | 31.5 W          |
| Current               | 700 mA          |
| Efficacy              | 119 Lm/W        |
| LED lifespan          | L90B10>102.000h |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                         |         |
|-------------------------|---------|
| Lighting efficiency     | 92%     |
| Delivered luminous flux | 3450 Lm |
| Light beam angle        | 38°     |

## LIGHTING FIXTURE | ELECTRICAL DATA

|                            |                                     |
|----------------------------|-------------------------------------|
| Driver                     | Included: ERP-PSB series or similar |
| Power values of the system | 37,00 W                             |
| Frequency                  | 50/60 Hz                            |
| Dimming                    | DIM on Board                        |

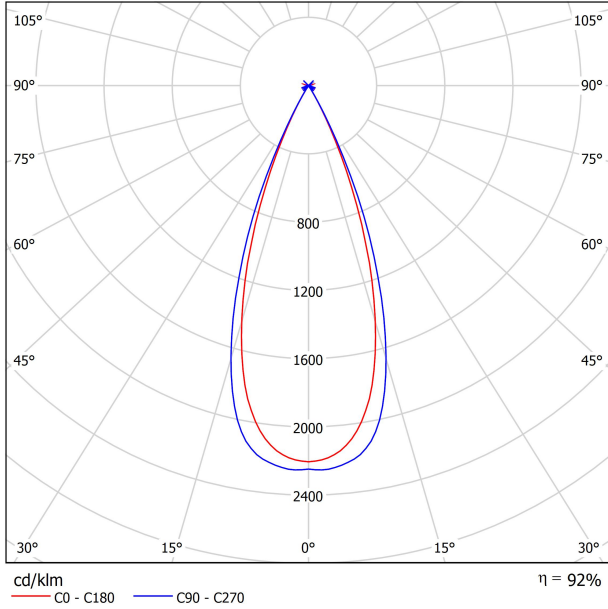
## OTHER DATA

|                                 |   |
|---------------------------------|---|
| 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. 10 ft   MAX. 3.05 m                                    |
| Fast adjustment tensioner       | Yes   |
| Weight                          | 9.42 lb   4275 gr   |
| Packaged weight                 | 13.01 lb   5900 gr  |
| Packaging dimensions            | Ø6.10 x 68.31 in   Ø155 x 1735 mm                           |
| Materials                       | Aluminium - Acrylonitrile Butadiene Styrene - Polycarbonate |

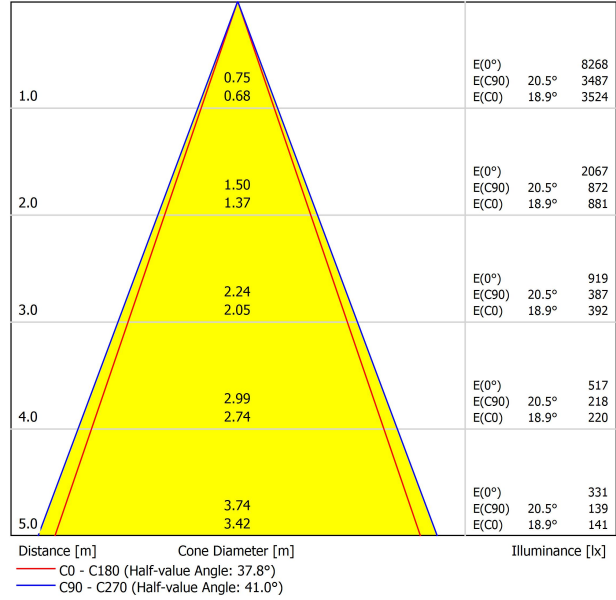


Black Foster Suspension is the product that transfers the claimed effect "The Invisible Black" to a linear suspended system. It is composed by a series of modules which combine light emissions with dark segments. Nevertheless, whether it is On or Off, Black Foster always preserves the aesthetic of a 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    | 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 X Y  |     | Viewing direction at right angles to lamp axis |       |       |       |       | Viewing direction parallel to lamp axis |       |       |       |       |    |
| 2H   | 2H  | -15.0  | -14.4 | -14.7 | -14.2 | -14.0 | -15.3                                   | -14.7 | -15.0 | -14.5 | -14.3 |    |
|  | 3H  | -10.9  | -10.3 | -10.6 | -10.0 | -9.8  | -13.4                                   | -12.8 | -13.1 | -12.6 | -12.4 |    |
|  | 4H  | -10.8  | -10.3 | -10.5 | -10.0 | -9.8  | -8.9                                    | -8.3  | -8.6  | -8.1  | -7.8  |    |
|  | 6H  | -9.5   | -9.0  | -9.2  | -8.7  | -8.5  | -5.8                                    | -5.3  | -5.5  | -5.0  | -4.8  |    |
|  | 8H  | -8.3   | -7.9  | -8.0  | -7.6  | -7.3  | -5.3                                    | -4.8  | -4.9  | -4.5  | -4.2  |    |
|  | 12H | -7.8   | -7.3  | -7.4  | -7.0  | -6.7  | -5.0                                    | -4.6  | -4.7  | -4.3  | -4.0  |    |
| 4H   | 2H  | -12.8  | -12.3 | -12.5 | -12.0 | -11.8 | -13.0                                   | -12.4 | -12.7 | -12.2 | -11.9 |    |
|  | 3H  | -9.7   | -9.3  | -9.4  | -9.0  | -8.7  | -11.1                                   | -10.7 | -10.8 | -10.4 | -10.1 |    |
|  | 4H  | -9.3   | -8.9  | -9.0  | -8.6  | -8.3  | -7.0                                    | -6.6  | -6.6  | -6.3  | -5.9  |    |
|  | 6H  | -7.9   | -7.6  | -7.5  | -7.2  | -6.8  | -3.5                                    | -3.1  | -3.1  | -2.8  | -2.4  |    |
|  | 8H  | -6.2   | -5.9  | -5.8  | -5.6  | -5.2  | -2.9                                    | -2.6  | -2.5  | -2.2  | -1.8  |    |
|  | 12H | -5.7   | -5.5  | -5.3  | -5.1  | -4.7  | -2.5                                    | -2.3  | -2.1  | -1.9  | -1.5  |    |
| 8H   | 4H  | -7.1   | -6.9  | -6.7  | -6.5  | -6.1  | -5.9                                    | -5.6  | -5.5  | -5.2  | -4.8  |    |
|  | 6H  | -5.5   | -5.3  | -5.1  | -4.9  | -4.4  | -2.1                                    | -1.9  | -1.7  | -1.5  | -1.0  |    |
|  | 8H  | -3.8   | -3.6  | -3.3  | -3.2  | -2.7  | -1.5                                    | -1.4  | -1.1  | -0.9  | -0.4  |    |
|  | 12H | -3.4   | -3.3  | -3.0  | -2.8  | -2.3  | -0.8                                    | -0.7  | -0.4  | -0.2  | 0.2   |    |
| 12H  | 4H  | -6.6   | -6.4  | -6.2  | -6.0  | -5.5  | -5.8                                    | -5.6  | -5.4  | -5.2  | -4.7  |    |
|  | 6H  | -4.8   | -4.6  | -4.3  | -4.2  | -3.7  | -2.0                                    | -1.8  | -1.5  | -1.3  | -0.9  |    |
|  | 8H  | -3.2   | -3.1  | -2.7  | -2.6  | -2.1  | -1.3                                    | -1.2  | -0.8  | -0.7  | -0.2  |    |
|  |     |  |       |       |       |       |   |       |       |       |       |    |
| Variation of the observer position for the luminaire distances S |     |  |       |       |       |       |   |       |       |       |       |    |
| S = 1.0H   |     | +4.3 / -1.8                                    |       |       |       |       | +2.3 / -0.6                             |       |       |       |       |    |
| S = 1.5H   |     | +6.8 / -2.0                                    |       |       |       |       | +4.2 / -1.0                             |       |       |       |       |    |
| S = 2.0H   |     | +8.8 / -2.6                                    |       |       |       |       | +5.9 / -2.3                             |       |       |       |       |    |
| Standard table Correction Summand                                |     | ---  |       |       |       |       | ---                                     |       |       |       |       |    |
| Corrected Glare Indices referring to 3750lm Total Luminous Flux  |     |  |       |       |       |       |   |       |       |       |       |    |