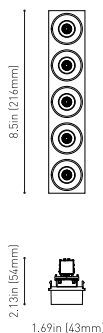




## DIMENSIONS



## ACCESSORIES



BLACK FOSTER CUSTOM ACCESSORIES

## PRODUCT

|           |  |
|-----------|--|
| Name      | BLACK FOSTER CUSTOM MODULE 5 UL SPOT DIM 0/10V 4000K NMG |
| Reference | U4534112NMG  |
| Color     | Black-Metallized gold                                    |
| Category  | Custom Systems   |

## LIGHT SOURCE

|                       |                  |
|-----------------------|------------------|
| Type                  | LED              |
| Gross luminous flux   | 1250 Lm          |
| Color temperature     | 4000 K           |
| Chromatic stability   | MacAdam Step 3   |
| Color Rendering Index | CRI > 90         |
| Power                 | 10,5 W           |
| Current               | 700 mA           |
| Efficacy              | 119 Lm/W         |
| LED lifespan          | L80B10 > 60.000h |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                         |         |
|-------------------------|---------|
| Lighting efficiency     | 90%     |
| Delivered luminous flux | 1125 Lm |
| Light beam angle        | 19°     |

## LIGHTING FIXTURE | ELECTRICAL DATA

|                            |          |
|----------------------------|----------|
| Driver                     | Included |
| Power values of the system | 12,50 W  |
| Dimming                    | 0-10V    |

## OTHER DATA

|                        |   |
|------------------------|---|
| Environmental location | DAMP  |
| Track type             | Black Foster Custom Surface Track                           |
| Weight                 | 0.36 lb   165 gr  |
| Packaged weight        | 0.51 lb   232 gr  |
| Packaging dimensions   | 9.72x4.41x1.89 in   247x112x48 mm                           |
| Materials              | Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate |

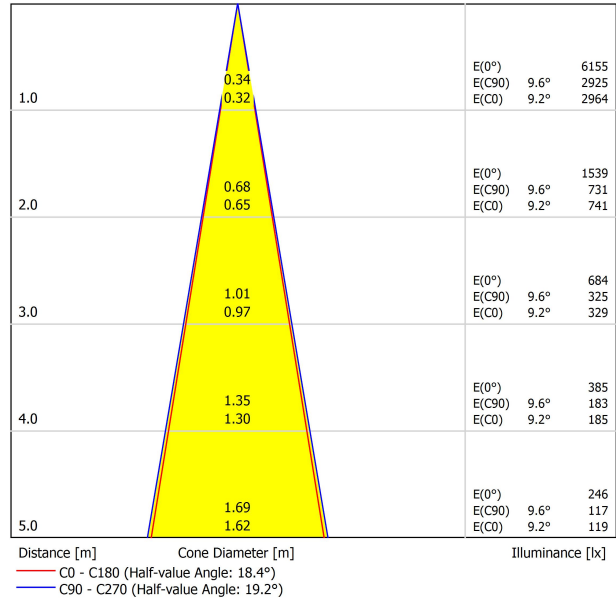


Black Foster is the lighting fixture that transfers the applauded "Invisible Black" effect to a linear system. Black Foster is composed of a series of combinable modules enabling the alternation of segments with light emission and without light emission. However, whether it is ON or OFF, this luminaire always keeps the aesthetics of a perfect dark line. To the observer, it is impossible to distinguish between Black Foster parts that emit light from those that don't. Black Foster's modularity provides a wide range of different combinations, allowing to set up the light emission location as many times as needed, and adapting itself to the requirements of each project in particular.

## 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  | 2.9  | 3.5  | 3.1  | 3.7  | 3.9  | 3.7                                     | 4.4  | 3.9  | 4.6  | 4.7  |
|  | 3H  | 6.3  | 7.0  | 6.6  | 7.2  | 7.4  | 7.6                                     | 8.2  | 7.9  | 8.4  | 8.7  |
|  | 4H  | 8.3  | 8.9  | 8.6  | 9.1  | 9.4  | 9.4                                     | 10.0 | 9.7  | 10.3 | 10.5 |
|  | 6H  | 10.5   | 11.1 | 10.9 | 11.4 | 11.6 | 11.7                                    | 12.3 | 12.0 | 12.5 | 12.8 |
|  | 8H  | 11.7   | 12.2 | 12.0 | 12.5 | 12.8 | 13.0                                    | 13.5 | 13.3 | 13.8 | 14.0 |
| 4H   | 2H  | 4.2  | 4.8  | 4.5  | 5.0  | 5.3  | 4.8                                     | 5.4  | 5.1  | 5.6  | 5.9  |
|  | 3H  | 7.9  | 8.4  | 8.3  | 8.7  | 9.0  | 8.8                                     | 9.3  | 9.2  | 9.6  | 9.9  |
|  | 4H  | 10.0   | 10.4 | 10.4 | 10.8 | 11.1 | 10.8                                    | 11.3 | 11.2 | 11.6 | 11.9 |
|  | 6H  | 12.3   | 12.7 | 12.7 | 13.0 | 13.4 | 13.3                                    | 13.6 | 13.7 | 14.0 | 14.4 |
|  | 8H  | 13.5   | 13.8 | 13.9 | 14.2 | 14.6 | 14.6                                    | 14.9 | 15.0 | 15.3 | 15.7 |
| 8H   | 2H  | 15.0   | 15.3 | 15.4 | 15.7 | 16.1 | 16.1                                    | 16.4 | 16.6 | 16.8 | 17.2 |
|  | 4H  | 11.0   | 11.3 | 11.4 | 11.7 | 12.1 | 11.6                                    | 11.9 | 12.0 | 12.3 | 12.7 |
|  | 6H  | 13.4   | 13.7 | 13.9 | 14.1 | 14.5 | 14.2                                    | 14.5 | 14.7 | 14.9 | 15.3 |
|  | 8H  | 14.9   | 15.1 | 15.3 | 15.5 | 16.0 | 15.8                                    | 16.0 | 16.2 | 16.4 | 16.9 |
|  | 12H | 16.5   | 16.7 | 17.0 | 17.1 | 17.6 | 17.5                                    | 17.7 | 18.0 | 18.1 | 18.6 |
| 12H  | 4H  | 11.3   | 11.5 | 11.7 | 11.9 | 12.4 | 11.8                                    | 12.1 | 12.2 | 12.5 | 12.9 |
|  | 6H  | 13.8   | 14.0 | 14.3 | 14.5 | 14.9 | 14.5                                    | 14.7 | 15.0 | 15.1 | 15.6 |
|  | 8H  | 15.4   | 15.5 | 15.8 | 16.0 | 16.5 | 16.1                                    | 16.3 | 16.6 | 16.8 | 17.3 |
| 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 1250lm Total Luminous Flux  |     |  |      |      |      |      |   |      |      |      |      |

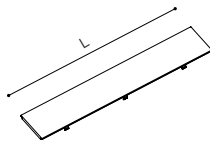
BLACK FOSTER CUSTOM UL



|                             |                |             |    |    |
|-----------------------------|----------------|-------------|----|----|
| BLACK FOSTER CUSTOM SURFACE | 3.28ft (1m) UL | U452-01-00- | NT | WT |
| BLACK FOSTER CUSTOM SURFACE | 6.56ft (2m) UL | U452-02-00- | NT | WT |

|                           |            |             |   |                   |
|---------------------------|------------|-------------|---|-------------------|
| BLACK FOSTER CUSTOM COVER | Gap 250 UL | U452-00-01- | N | 9.84 in / 250 mm  |
| BLACK FOSTER CUSTOM COVER | Gap 500 UL | U452-00-02- | N | 16.69 in / 500 mm |

L



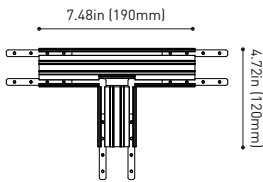
|                             |            |             |    |    |
|-----------------------------|------------|-------------|----|----|
| BLACK FOSTER CUSTOM SURFACE | L-Joint UL | U452-04-00- | NT | WT |
| BLACK FOSTER CUSTOM SURFACE | T-Joint UL | U452-05-00- | NT | WT |
| BLACK FOSTER CUSTOM SURFACE | X-Joint UL | U452-06-00- | NT | WT |

BLACK FOSTER CUSTOM SURFACE L-Joint UL



Electrical connection not included

BLACK FOSTER CUSTOM SURFACE T-Joint UL



Electrical connection not included

BLACK FOSTER CUSTOM SURFACE X-Joint UL



Electrical connection not included

P V D

|                  |            |      |      |                       |
|------------------|------------|------|------|-----------------------|
| CONSTANT VOLTAGE | U100-00-78 | 96 W | 48 V | 8.16 x 2.97 x 1.30 in |
| LED POWER SUPPLY |            |      |      | 207 x 75.4 x 33 mm    |

120 & 277V | 50/60 Hz



UL DROP VOLTAGE TABLE

| POWER | CABLE SECTION | CABLE LENGTH  |                |                 |                |
|-------|---------------|---------------|----------------|-----------------|----------------|
|       |               | 16.40ft<br>5m | 32.80ft<br>10m | 65.62ft<br>20m  | 98.43ft<br>30m |
| 96 W  | AWG16         | TRACK LENGTH  |                |                 |                |
|       |               | 164ft<br>50m  | 164ft<br>50m   | 131.32ft<br>40m | 82ft<br>25m    |

COLOUR | N ■ | NT ■ | WT □ |

# BLACK FOSTER CUSTOM UL

## BLACK FOSTER CUSTOM TRACK COMPONENTS



**BLACK FOSTER CUSTOM SURFACE**  
**End UL** U452-00-03- | N | W |

Cover thickness = 0.12in (3mm)



**BLACK FOSTER CUSTOM SURFACE**  
**End Feed UL** U452-00-04- | N | W |

Cover thickness = 0.12in (3mm)



**BLACK FOSTER CUSTOM SURFACE**  
**Straight Joiner UL** U452-00-05

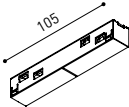
## CONNECTION COMPONENTS



**Live-End Connector 48V**  
 A338-00-01- | N |



**L-Joint Connector 48V UL**  
 U338-00-12- | N |



**Central Connector 48V**  
 A338-00-02- | N |



**T-Joint Connector 48V UL**  
 U450-00-07- | N |



**X-Joint Connector 48V UL**  
 U450-00-08- | N |

## SUSPENSION COMPONENTS



**Black Foster Suspension Kit (2 Units) UL**  
 U450-00-09- | NT | WT |

**Suggested Mounting accessories quantities**  
 3.28ft (1000mm) - 2 Pcs.  
 6.56ft (2000mm) - 3 Pcs.



**Suspension Feed Kit 48V UL**  
 U338-00-17- | N | W |



\*For remote power supply