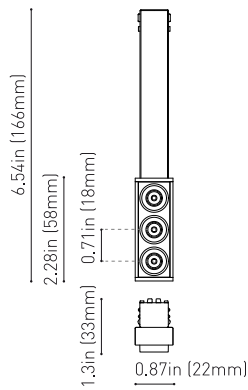




## DIMENSIONS



## ACCESSORIES



BLACK FOSTER CUSTOM  
ACCESSORIES

|           |  |
|-----------|--|
| Name      | BLACK FOSTER MICRO CUSTOM MODULE 3 UL DIM DALI 3000K N |
| Reference | U4511021N  |
| Color     | Matt black   |
| Category  | CUSTOM SYSTEMS   |

## PRODUCT

|                       |                 |
|-----------------------|-----------------|
| Type                  | LED             |
| Gross luminous flux   | 480 Lm          |
| Color temperature     | 3000 K          |
| Chromatic stability   | MacAdam Step 3  |
| Color Rendering Index | CRI>90          |
| Power                 | 4.2 W           |
| Current               | 500 mA          |
| Efficacy              | 114 Lm/W        |
| LED lifespan          | L90B10 >60.000h |

## LIGHT SOURCE

|                         |        |
|-------------------------|--------|
| Lighting efficiency     | 87%    |
| Delivered luminous flux | 418 Lm |
| Light beam angle        | 37°    |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                            |          |
|----------------------------|----------|
| Driver                     | Included |
| Power values of the system | 5,30 W   |
| Dimming                    | DALI     |

## LIGHTING FIXTURE | ELECTRICAL DATA

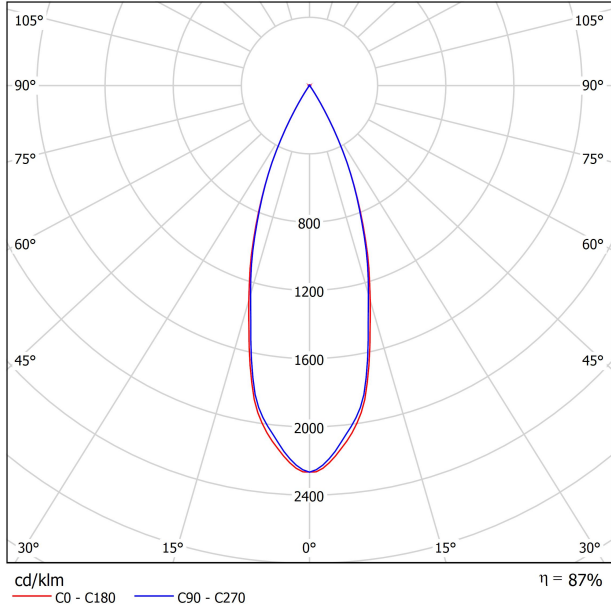
|                        |   |
|------------------------|---|
| Environmental location | DAMP  |
| Track type             | Black Foster Micro Surface Track                            |
| Weight                 | 0.18 lb   85 gr   |
| Packaged weight        | 0.24 lb   110 gr  |
| Packaging dimensions   | 8.66x1.89x1.93 in   220x48x49 mm                            |
| Materials              | Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate |

## OTHER DATA

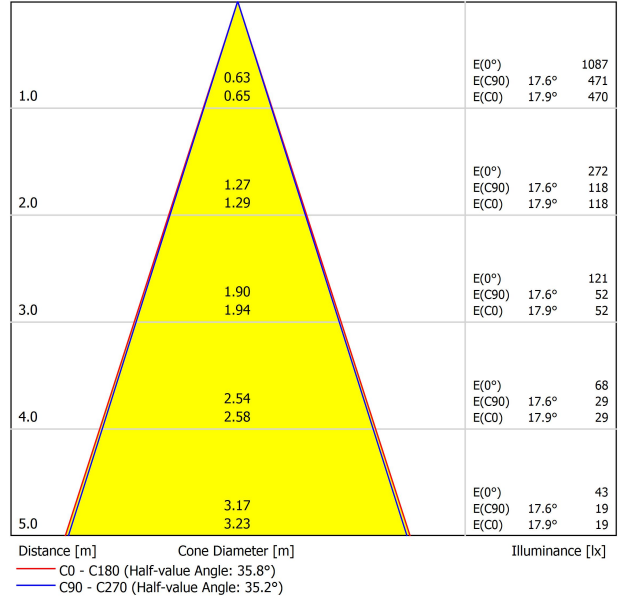


Black Foster Micro is a feat of engineering which brings the acclaimed "The Invisible Black" effect to a hyper-reduced light. Its tiny size and thin trim offer a "trimless visual" aesthetic which combines with its almost imperceptible presence as a result of its compact dimensions. Black Foster Micro is designed for general or accent lighting and can be used in projects that seek ceiling lighting that plays a minimal role.

POLAR DIAGRAM



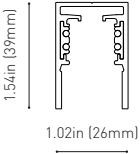
CONICAL DIAGRAM



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   | -3.0   | -2.3 | -2.7 | -2.1 | -2.0 | -3.7                                    | -3.0 | -3.4 | -2.8 | -2.7 |
|  | 3H   | 0.1  | 0.7  | 0.4  | 0.9  | 1.1  | -0.5                                    | 0.1  | -0.2 | 0.3  | 0.6  |
|  | 4H   | 1.9  | 2.4  | 2.2  | 2.7  | 2.9  | 1.4                                     | 1.9  | 1.7  | 2.2  | 2.4  |
|  | 6H   | 4.3  | 4.8  | 4.6  | 5.1  | 5.4  | 3.2                                     | 3.7  | 3.5  | 4.0  | 4.3  |
|  | 8H   | 5.3  | 5.8  | 5.6  | 6.1  | 6.4  | 4.3                                     | 4.8  | 4.6  | 5.1  | 5.4  |
| 4H   | 12H  | 6.6  | 7.1  | 7.0  | 7.4  | 7.7  | 5.7                                     | 6.2  | 6.0  | 6.5  | 6.8  |
|  | 2H   | -2.4   | -1.8 | -2.1 | -1.6 | -1.3 | -2.9                                    | -2.4 | -2.6 | -2.1 | -1.9 |
|  | 3H   | 1.1  | 1.5  | 1.4  | 1.8  | 2.1  | 0.6                                     | 1.0  | 0.9  | 1.3  | 1.6  |
|  | 4H   | 3.1  | 3.5  | 3.5  | 3.8  | 4.2  | 2.6                                     | 2.9  | 2.9  | 3.3  | 3.6  |
|  | 6H   | 5.8  | 6.1  | 6.2  | 6.5  | 6.9  | 4.7                                     | 5.1  | 5.1  | 5.4  | 5.8  |
| 8H   | 8H   | 6.9  | 7.2  | 7.3  | 7.6  | 8.0  | 5.9                                     | 6.2  | 6.3  | 6.6  | 7.0  |
|  | 12H  | 8.4  | 8.6  | 8.8  | 9.0  | 9.4  | 7.5                                     | 7.7  | 7.9  | 8.1  | 8.6  |
|  | 4H   | 3.9  | 4.2  | 4.3  | 4.5  | 4.9  | 3.4                                     | 3.7  | 3.8  | 4.1  | 4.5  |
|  | 6H   | 6.7  | 6.9  | 7.2  | 7.4  | 7.8  | 5.9                                     | 6.1  | 6.4  | 6.5  | 7.0  |
|  | 8H   | 8.0  | 8.2  | 8.5  | 8.6  | 9.1  | 7.2                                     | 7.4  | 7.7  | 7.9  | 8.3  |
| 12H  | 12H  | 9.7  | 9.8  | 10.2 | 10.3 | 10.8 | 9.0                                     | 9.1  | 9.5  | 9.6  | 10.1 |
|  | 4H   | 4.1  | 4.3  | 4.5  | 4.7  | 5.2  | 3.7                                     | 4.0  | 4.1  | 4.4  | 4.8  |
|  | 6H   | 7.0  | 7.2  | 7.5  | 7.6  | 8.1  | 6.3                                     | 6.4  | 6.7  | 6.9  | 7.4  |
|  | 8H   | 8.4  | 8.6  | 8.9  | 9.0  | 9.5  | 7.7                                     | 7.9  | 8.2  | 8.3  | 8.8  |
|  | Variation of the observer position for the luminaire distances S |  |      |      |      |      |   |      |      |      |      |
| S = 1.0H   |  | +4.7 / -2.2                                    |      |      |      |      | +4.9 / -2.4                             |      |      |      |      |
| S = 1.5H   |  | +7.4 / -2.5                                    |      |      |      |      | +7.6 / -2.7                             |      |      |      |      |
| S = 2.0H   |  | +9.4 / -2.8                                    |      |      |      |      | +9.7 / -3.4                             |      |      |      |      |
| Standard table Correction Summand                              |  | ---  |      |      |      |      | ---                                     |      |      |      |      |
| Corrected Glare Indices referring to 480lm Total Luminous Flux |  |  |      |      |      |      |   |      |      |      |      |

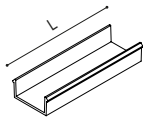
# BLACK FOSTER MICRO CUSTOM UL



|                                   |                |             |    |    |
|-----------------------------------|----------------|-------------|----|----|
| BLACK FOSTER MICRO CUSTOM SURFACE | 3.28ft (1m) UL | U450-01-00- | NT | WT |
| BLACK FOSTER MICRO CUSTOM SURFACE | 6.56ft (2m) UL | U450-02-00- | NT | WT |

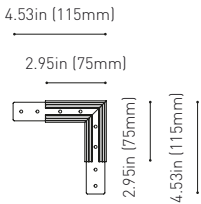
L

|                                   |             |             |   |                    |
|-----------------------------------|-------------|-------------|---|--------------------|
| BLACK FOSTER MICRO CUSTOM SURFACE | Gap 250 UL  | U450-00-01- | N | 9.84 in / 250 mm   |
| BLACK FOSTER MICRO CUSTOM SURFACE | Gap 500 UL  | U450-00-02- | N | 16.69 in / 500 mm  |
| BLACK FOSTER MICRO CUSTOM SURFACE | Gap 1000 UL | U450-00-03- | N | 39.37 in / 1000 mm |



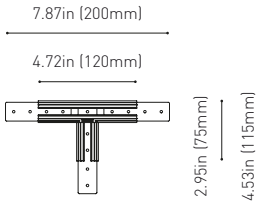
|                                   |            |             |    |    |
|-----------------------------------|------------|-------------|----|----|
| BLACK FOSTER MICRO CUSTOM SURFACE | L-Joint UL | U450-04-00- | NT | WT |
| BLACK FOSTER MICRO CUSTOM SURFACE | T-Joint UL | U450-05-00- | NT | WT |
| BLACK FOSTER MICRO CUSTOM SURFACE | X-Joint UL | U450-06-00- | NT | WT |

**BLACK FOSTER MICRO CUSTOM SURFACE L-Joint UL**



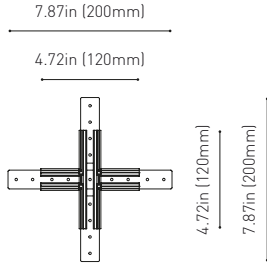
Electrical connection not included

**BLACK FOSTER MICRO CUSTOM SURFACE T-Joint UL**



Electrical connection not included

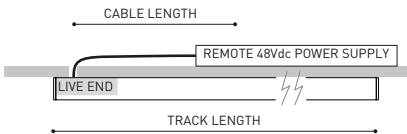
**BLACK FOSTER MICRO CUSTOM SURFACE X-Joint UL**



Electrical connection not included

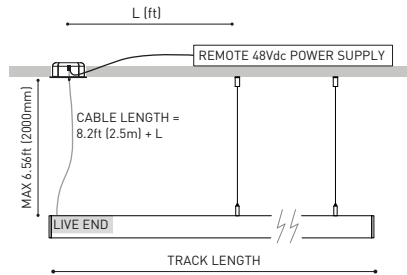
|                  |            | P    | V    | D                     |
|------------------|------------|------|------|-----------------------|
| CONSTANT VOLTAGE | U100-00-78 | 96 W | 48 V | 8.16 x 2.97 x 1.30 in |
| LED POWER SUPPLY |            |      |      | 207 x 75.4 x 33 mm    |

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 MICRO CUSTOM UL

## BLACK FOSTER MICRO CUSTOM TRACK COMPONENTS



**BLACK FOSTER MICRO CUSTOM SURFACE**  
**End UL**                      **U450-00-04- | N | W |**

Cover thickness = 0.12in (3mm)



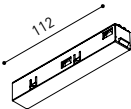
**BLACK FOSTER MICRO CUSTOM SURFACE**  
**End Feed UL**                      **U450-00-05- | N | W |**

Cover thickness = 0.12in (3mm)

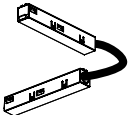


**BLACK FOSTER MICRO CUSTOM SURFACE**  
**Straight Joiner UL**                      **U450-00-06**

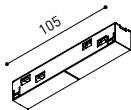
## CONNECTION COMPONENTS



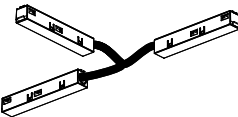
**Live-End Connector 48V UL**  
**U338-00-01- | N |**



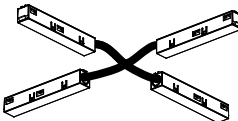
**L-Joint Connector 48V UL**  
**U338-00-12- | N |**



**Central Connector 48V UL**  
**U338-00-02- | N |**

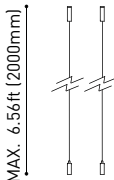


**T-Joint Connector 48V UL**  
**U450-00-07- | N |**



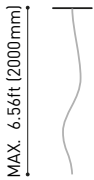
**X-Joint Connector 48V UL**  
**U450-00-08- | N |**

## 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