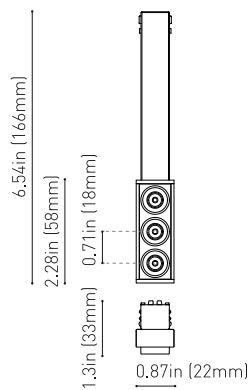




DIMENSIONS



ACCESSORIES



BLACK FOSTER CUSTOM  
ACCESSORIES

PRODUCT

|           |                                                         |
|-----------|---------------------------------------------------------|
| Name      | BLACK FOSTER MICRO CUSTOM MODULE 3 UL DIM 0/10V 3500K N |
| Reference | U4511013N                                               |
| Color     | Matt black                                              |
| Category  | CUSTOM SYSTEMS                                          |

LIGHT SOURCE

|                       |                 |
|-----------------------|-----------------|
| Type                  | LED             |
| Gross luminous flux   | 495 Lm          |
| Color temperature     | 3500 K          |
| Chromatic stability   | MacAdam Step 3  |
| Color Rendering Index | CRI>90          |
| Power                 | 4.2 W           |
| Efficacy              | 118 Lm/W        |
| LED lifespan          | L90B10 >60.000h |

LIGHTING FIXTURE | PHOTOMETRIC DATA

|                         |        |
|-------------------------|--------|
| Lighting efficiency     | 87%    |
| Delivered luminous flux | 431 Lm |
| Light beam angle        | 37°    |

LIGHTING FIXTURE | ELECTRICAL DATA

|                            |        |
|----------------------------|--------|
| Power values of the system | 5,30 W |
| Dimming                    | 0-10V  |

OTHER DATA

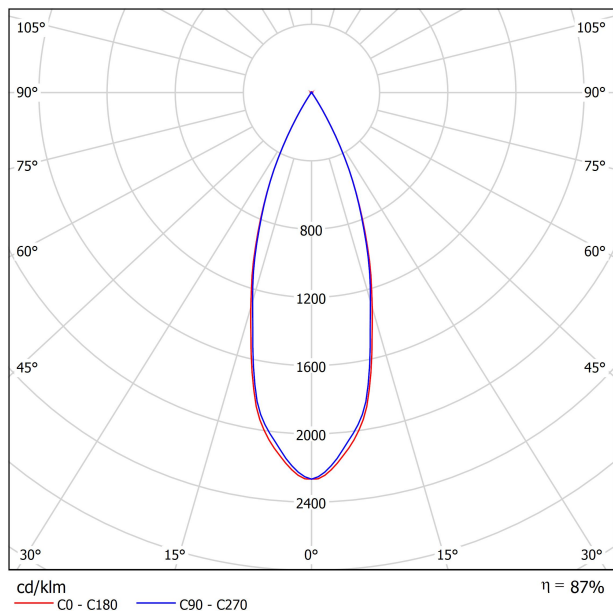
|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Environmental location | DAMP                                                        |
| Track type             | Black Foster 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 |



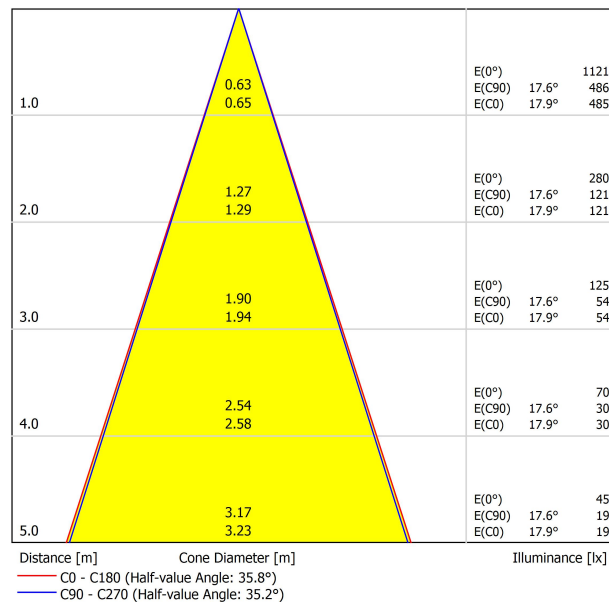
Black Foster Micro is a feat of engineering which brings the acclaimed “The Invisible Black” effect to a hyper-reduced light. Its tiny size and thin trim offer a “trimless visual” aesthetic which combines with its almost imperceptible presence as a result of its compact dimensions. Black Foster Micro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



POLAR DIAGRAM



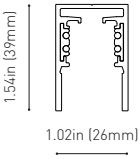
CONICAL DIAGRAM



UGR

| Glare Evaluation According to UGR                                |     |                                                   |      |      |      |      |                                            |      |      |      |      |
|------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|--------------------------------------------|------|------|------|------|
| p Ceiling                                                        |     | 70                                                | 70   | 50   | 50   | 30   | 70                                         | 70   | 50   | 50   | 30   |
| p Walls                                                          |     | 50                                                | 30   | 50   | 30   | 30   | 50                                         | 30   | 50   | 30   | 30   |
| p Floor                                                          |     | 20                                                | 20   | 20   | 20   | 20   | 20                                         | 20   | 20   | 20   | 20   |
| Room Size<br>X Y                                                 |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H                                                               | 2H  | 9.9                                               | 10.6 | 10.2 | 10.7 | 10.9 | 9.8                                        | 10.4 | 10.0 | 10.6 | 10.8 |
|                                                                  | 3H  | 9.9                                               | 10.5 | 10.2 | 10.7 | 10.9 | 9.7                                        | 10.3 | 10.0 | 10.6 | 10.8 |
|                                                                  | 4H  | 10.0                                              | 10.5 | 10.3 | 10.8 | 11.0 | 9.8                                        | 10.3 | 10.1 | 10.6 | 10.8 |
|                                                                  | 6H  | 10.2                                              | 10.7 | 10.6 | 11.0 | 11.3 | 9.9                                        | 10.4 | 10.3 | 10.7 | 11.0 |
|                                                                  | 8H  | 10.4                                              | 10.9 | 10.7 | 11.2 | 11.5 | 10.1                                       | 10.6 | 10.4 | 10.9 | 11.2 |
|                                                                  | 12H | 10.7                                              | 11.2 | 11.1 | 11.5 | 11.8 | 10.4                                       | 10.8 | 10.7 | 11.1 | 11.4 |
| 4H                                                               | 2H  | 9.7                                               | 10.3 | 10.0 | 10.5 | 10.8 | 9.6                                        | 10.2 | 9.9  | 10.4 | 10.7 |
|                                                                  | 3H  | 9.8                                               | 10.2 | 10.1 | 10.5 | 10.8 | 9.6                                        | 10.1 | 10.0 | 10.4 | 10.7 |
|                                                                  | 4H  | 9.9                                               | 10.3 | 10.3 | 10.7 | 11.0 | 9.7                                        | 10.1 | 10.1 | 10.5 | 10.8 |
|                                                                  | 6H  | 10.4                                              | 10.7 | 10.8 | 11.1 | 11.5 | 10.1                                       | 10.4 | 10.5 | 10.7 | 11.1 |
|                                                                  | 8H  | 10.7                                              | 11.0 | 11.1 | 11.4 | 11.8 | 10.3                                       | 10.6 | 10.7 | 11.0 | 11.4 |
|                                                                  | 12H | 11.3                                              | 11.5 | 11.7 | 11.9 | 12.3 | 10.8                                       | 11.1 | 11.3 | 11.5 | 11.9 |
| 8H                                                               | 4H  | 10.0                                              | 10.3 | 10.4 | 10.6 | 11.0 | 9.8                                        | 10.1 | 10.2 | 10.4 | 10.8 |
|                                                                  | 6H  | 10.6                                              | 10.8 | 11.0 | 11.2 | 11.7 | 10.3                                       | 10.5 | 10.7 | 10.9 | 11.3 |
|                                                                  | 8H  | 11.1                                              | 11.2 | 11.5 | 11.7 | 12.2 | 10.7                                       | 10.9 | 11.1 | 11.3 | 11.8 |
|                                                                  | 12H | 11.9                                              | 12.0 | 12.4 | 12.5 | 13.0 | 11.4                                       | 11.6 | 11.9 | 12.0 | 12.5 |
| 12H                                                              | 4H  | 10.0                                              | 10.2 | 10.4 | 10.6 | 11.0 | 9.8                                        | 10.0 | 10.2 | 10.4 | 10.9 |
|                                                                  | 6H  | 10.7                                              | 10.8 | 11.1 | 11.3 | 11.7 | 10.3                                       | 10.5 | 10.8 | 11.0 | 11.4 |
|                                                                  | 8H  | 11.2                                              | 11.4 | 11.7 | 11.8 | 12.3 | 10.8                                       | 11.0 | 11.3 | 11.4 | 11.9 |
| 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 495lm Total Luminous Flux   |     |                                                   |      |      |      |      |                                            |      |      |      |      |

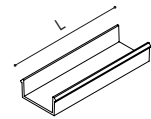
# BLACK FOSTER MICRO CUSTOM UL



|                                   |                |             |    |    |
|-----------------------------------|----------------|-------------|----|----|
| 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 |

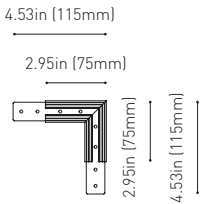
L

|                                   |             |             |   |                    |
|-----------------------------------|-------------|-------------|---|--------------------|
| 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 |



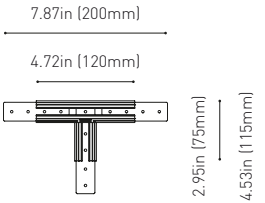
|                                   |            |             |    |    |
|-----------------------------------|------------|-------------|----|----|
| BLACK FOSTER MICRO CUSTOM SURFACE | L-Joint UL | U450-04-00- | NT | WT |
| BLACK FOSTER MICRO CUSTOM SURFACE | T-Joint UL | U450-05-00- | NT | WT |
|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

BLACK FOSTER MICRO CUSTOM SURFACE  
L-Joint UL



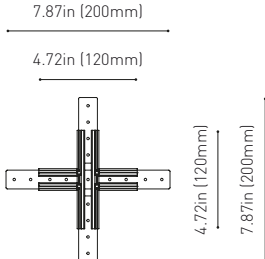
Electrical connection not included

BLACK FOSTER MICRO CUSTOM SURFACE  
T-Joint UL



Electrical connection not included

BLACK FOSTER MICRO CUSTOM SURFACE  
X-Joint UL



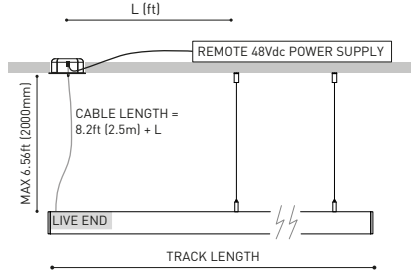
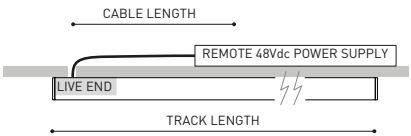
Electrical connection not included

|                  |            | 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

|       |               | CABLE LENGTH  |                |                 |                |
|-------|---------------|---------------|----------------|-----------------|----------------|
|       |               | 16.40ft<br>5m | 32.80ft<br>10m | 65.62ft<br>20m  | 98.43ft<br>30m |
| POWER | CABLE SECTION | TRACK LENGTH  |                |                 |                |
| 96 W  | AWG16         | 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 |

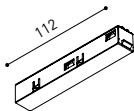
Cover thickness = 0.12in (3mm)



BLACK FOSTER MICRO CUSTOM SURFACE

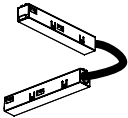
Straight Joiner UL                      U450-00-06

## CONNECTION COMPONENTS



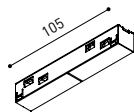
Live-End Connector 48V UL

U338-00-01- | N |



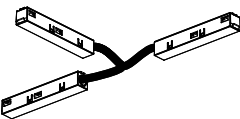
L-Joint Connector 48V UL

U338-00-12- | N |



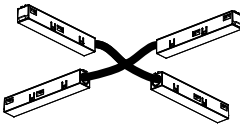
Central Connector 48V UL

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 |

DIM

\*For remote power supply