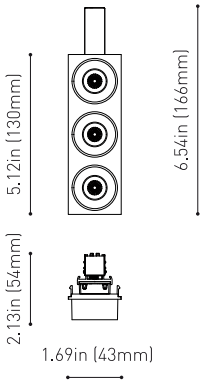
# Black Foster Custom Module

ARKOSLIGHT



## Dimensions




## Accessories



BLACK FOSTER CUSTOM ACCESSORIES

| | PRODUCT |
|---|---|
| Name | BLACK FOSTER CUSTOM MODULE 3 UL SPOT DIM 0/10V 3000K NMG |
| Reference | U4533111NMG |
| Color | Black-Metallized gold |
| RAL | Metallic finish |
| Category | CUSTOM SYSTEMS |

| | LIGHT SOURCE |
|---|---|
| Type | LED |
| Gross luminous flux | 630 Lm |
| Color temperature | 3000 K |
| Chromatic stability | MacAdam Step 3 |
| Color Rendering Index | CRI>90 |
| Power | 6.3 W |
| Efficacy | 100 Lm/W |
| LED lifespan | L90B10>102.000h |

| | LIGHTING FIXTURE \| PHOTOMETRIC DATA |
|---|---|
| Lighting efficiency | 90% |
| Delivered luminous flux | 567 Lm |
| Light beam angle | 19° |

| | LIGHTING FIXTURE \| ELECTRICAL DATA |
|---|---|
| Power values of the system | 8.4 W |
| Dimming | 0-10V |

| | OTHER DATA |
|---|---|
| Environmental location | DAMP |
| Track type | Black Foster Custom Surface Track |
| Weight | 0.24 lb \| 110 gr |
| Packaged weight | 0.39 lb \| 177 gr |
| Packaging dimensions | 9.72 x 4.41 x 1.89 in \| 247 x 112 x 48 mm |
| Materials | Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate |

Intertek

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.

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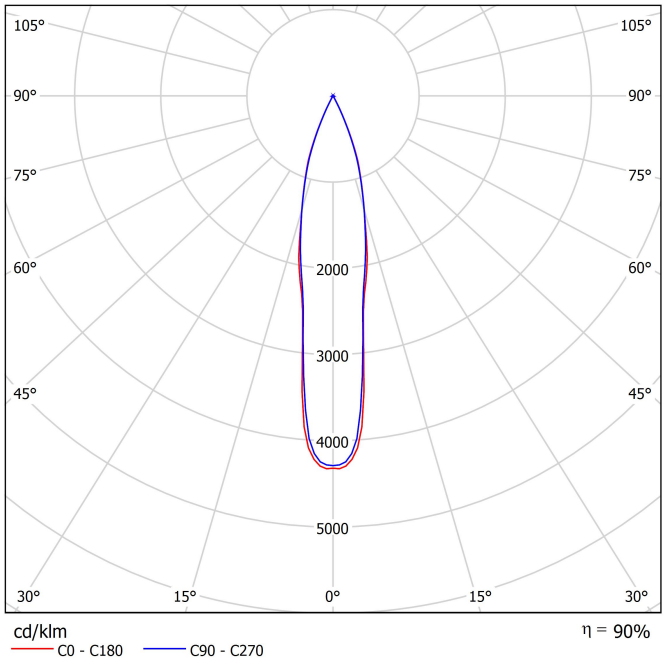


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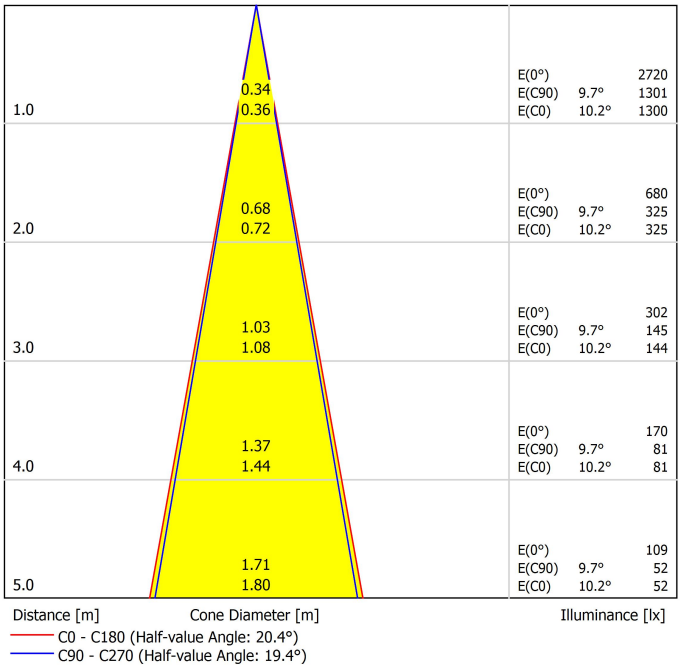
# Lighting Technical Data

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## 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 | 5.5 | 6.1 | 5.7 | 6.3 | 6.5 | 5.5 | 6.2 | 5.8 | 6.4 | 6.6 |
| | 3H | 9.0 | 9.6 | 9.3 | 9.9 | 10.1 | 9.1 | 9.7 | 9.4 | 9.9 | 10.2 |
| | 4H | 10.9 | 11.5 | 11.2 | 11.7 | 12.0 | 11.0 | 11.6 | 11.3 | 11.8 | 12.1 |
| | 6H | 13.0 | 13.5 | 13.3 | 13.8 | 14.1 | 13.0 | 13.6 | 13.3 | 13.8 | 14.1 |
| | 8H | 14.2 | 14.7 | 14.6 | 15.0 | 15.3 | 14.3 | 14.8 | 14.6 | 15.1 | 15.4 |
| | 12H | 15.6 | 16.1 | 15.9 | 16.4 | 16.7 | 15.7 | 16.2 | 16.0 | 16.5 | 16.8 |
| 4H | 2H | 6.5 | 7.1 | 6.8 | 7.3 | 7.6 | 6.6 | 7.1 | 6.9 | 7.4 | 7.7 |
| | 3H | 10.3 | 10.8 | 10.7 | 11.1 | 11.4 | 10.4 | 10.9 | 10.7 | 11.2 | 11.5 |
| | 4H | 12.4 | 12.8 | 12.7 | 13.1 | 13.5 | 12.5 | 12.9 | 12.9 | 13.3 | 13.6 |
| | 6H | 14.6 | 15.0 | 15.0 | 15.4 | 15.7 | 14.7 | 15.0 | 15.1 | 15.4 | 15.8 |
| | 8H | 16.0 | 16.3 | 16.4 | 16.7 | 17.1 | 16.1 | 16.4 | 16.5 | 16.8 | 17.2 |
| | 12H | 17.4 | 17.7 | 17.9 | 18.1 | 18.5 | 17.5 | 17.8 | 18.0 | 18.2 | 18.6 |
| 8H | 4H | 13.2 | 13.5 | 13.6 | 13.9 | 14.3 | 13.3 | 13.6 | 13.7 | 14.0 | 14.4 |
| | 6H | 15.7 | 16.0 | 16.2 | 16.4 | 16.8 | 15.7 | 16.0 | 16.2 | 16.4 | 16.9 |
| | 8H | 17.2 | 17.4 | 17.7 | 17.9 | 18.3 | 17.3 | 17.5 | 17.8 | 18.0 | 18.4 |
| | 12H | 18.9 | 19.1 | 19.4 | 19.5 | 20.0 | 19.0 | 19.2 | 19.5 | 19.6 | 20.1 |
| 12H | 4H | 13.4 | 13.7 | 13.9 | 14.1 | 14.5 | 13.5 | 13.8 | 14.0 | 14.2 | 14.6 |
| | 6H | 16.1 | 16.3 | 16.6 | 16.7 | 17.2 | 16.1 | 16.3 | 16.6 | 16.8 | 17.2 |
| | 8H | 17.7 | 17.8 | 18.2 | 18.3 | 18.8 | 17.7 | 17.9 | 18.2 | 18.4 | 18.9 |

Variation of the observer position for the luminaire distances S

| | | |
|---|---|---|
| S = 1.0H | +0.2 / -0.2 | +0.2 / -0.2 |
| S = 1.5H | +0.3 / -0.3 | +0.3 / -0.3 |
| S = 2.0H | +0.5 / -0.6 | +0.5 / -0.6 |
| Standard table | --- | --- |
| Correction Summand | --- | --- |

Corrected Glare Indices referring to 630lm Total Luminous Flux


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# Black Foster Custom System components

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Black Foster Custom System is a modular 48V lighting system designed to create tailored lighting setups by combining tracks, connectors, lighting modules, and accessories. Ideal for architectural and retail projects that demand flexibility, minimalist design, and high performance.

To configure the Black Foster Custom System, you'll need to combine the following components:

1. Tracks – Available in surfac, or suspended versions (using suspension accessories with the surface track), they form the structural and electrical base of the system.

2. Connectors & Power Supply – Join track sections and provide 48V power input.

3. Accessories – Including end caps, joining elements, mounting accessories, and alternative installation parts to secure and finish the system.



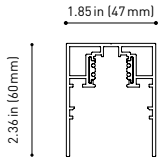
## Track Options

Choose all the track components required for your project configuration.

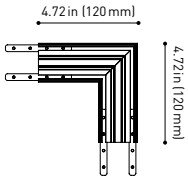
| | | |
|---|---|---|
| BLACK FOSTER Custom Surface 3.28ft (1m) UL | U452-01-00- \| NT \| WT \| |
| BLACK FOSTER Custom Surface 6.56ft (2m) UL | U452-02-00- \| NT \| WT \| |

| | | |
|---|---|---|
| BLACK FOSTER Custom 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 \| |

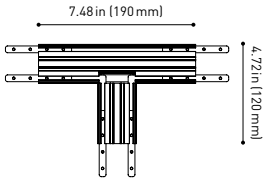
CUSTOM SURFACE PROFILE



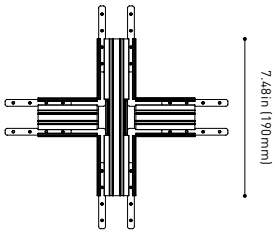

L-JOINT




T-JOINT




X-JOINT




## Complementary track accessories

Use end caps, joiners, and gap covers to connect, close, and cleanly finish your track setup.

| | | |
|---|---|---|
| BLACK FOSTER Custom Surface | |
| End UL | U452-00-03- \| N \| W \| |

Cover thickness = 0.12in (3mm)

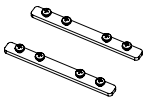


| | | |
|---|---|---|
| BLACK FOSTER Custom Surface | |
| End Feed UL | U452-00-04- \| N \| W \| |

Cover thickness = 0.12in (3mm)



| | | |
|---|---|---|
| BLACK FOSTER Custom Surface | |
| Straight Joiner UL | U452-00-05 |



| | | |
|---|---|---|
| BLACK FOSTER Suspension Kit (2 Units) UL | |
| U450-00-09- \| NT \| WT \| | |

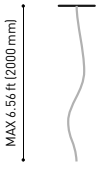
**Suggested Mounting accessories quantities**

3.28ft (1000mm) - 2 Pcs.
6.56ft (2000mm) - 3 Pcs.

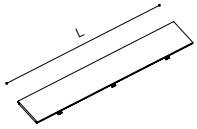



| | | |
|---|---|---|
| Suspension Feed Kit 48V UL | | |
| U338-00-17- \| N \| W \| | DIM | |

*For remote power supply




| | | L |
|---|---|---|
| BLACK FOSTER Custom Cover Gap 250 UL | U452-00-01- \| N \| | 9.48in / 250mm |
| BLACK FOSTER Custom Cover Gap 500 UL | U452-00-02- \| N \| | 16.69in / 500mm |




COLOUR | NT ■ RAL 9005 | WT □ RAL 9016 | N ■ RAL 9005 |

Electrical connections are not included. Please choose the required components from the Connectors section.

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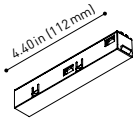
# Black Foster Custom System components

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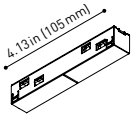
## Connector options

Connectors are required to provide electrical continuity between tracks, ensuring an uninterrupted 48V flow.

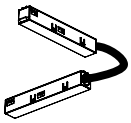
**Live-End Connector 48V UL**
U338-00-01- | **N** |



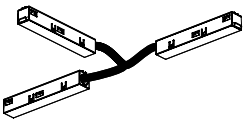

**Central Connector 48V UL**
U338-00-02- | **N** |



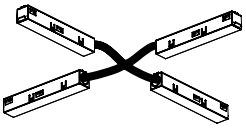

**L-Joint Connector 48V UL**
U338-00-12- | **N** |



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



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



## Power Supply Options

Select the appropriate power feed to deliver 48V to the system based on your track layout and installation type.

| | | P | V | D |
|---|---|---|---|---|
| Constant Voltage LED POWER SUPPLY | **U100-00-78** | 96W | 48V | 8.16 x 2.97 x 1.30 in<br>207 x 75.4 x 33 mm |

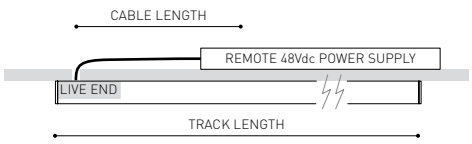
120 & 277V | 50/60 Hz

UL DROP VOLTAGE TABLE

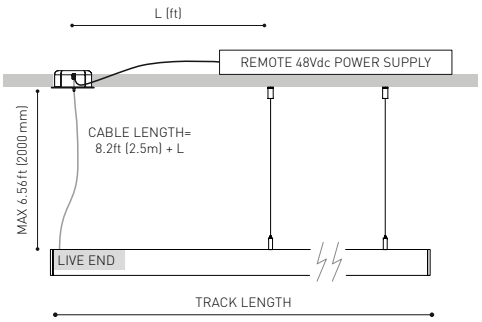
| | | CABLE LENGTH | | | |
|---|---|---|---|---|---|
| | | 16.40ft 5m | 32.80ft 10m | 65.62ft 20m | 98.43ft 30m |
| **POWER** | **CABLE SECTION** | **TRACK LENGTH** | | | |
| 96 W | AWG16 | 164ft 50m | 164ft 50m | 131.32ft 40m | 82ft 25m |

## Connection diagrams:

### Surface




### Suspension




COLOUR | **N** ■ RAL 9005 | **W** □ RAL 9016 |

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