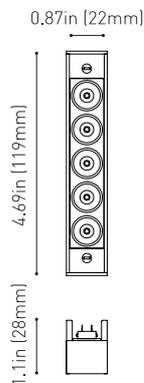




DIMENSIONS



ACCESORIES



MINIMAL TRACK OPTIONS

AWARDS



reddot winner 2020
innovative product



reddot winner 2020
lighting design



Bronze Delta
ADI Awards 2020



HONORABLE MENTION
EUROPEAN
PRODUCT
DESIGN
AWARD



WINNER
2020



archiproducts
DESIGN AWARDS
WINNER 2020

PRODUCT

| | |
|-----------|-------------------------------------|
| Name | BLACK FOSTER MICRO 24V 5 UL 4000K N |
| Reference | U4152012N |
| Color | Matt black |
| Category | TRACKLIGHTS |

LIGHT SOURCE

| | |
|-----------------------|-----------------|
| Type | LED |
| Gross luminous flux | 850 Lm |
| Color temperature | 4000 K |
| Chromatic stability | MacAdam Step 3 |
| Color Rendering Index | CRI>90 |
| Power | 7 W |
| Efficacy | 121 Lm/W |
| LED lifespan | L90B10 >60.000h |

LIGHTING FIXTURE | PHOTOMETRIC DATA

| | |
|-------------------------|--------|
| Lighting efficiency | 87% |
| Delivered luminous flux | 740 Lm |
| Light beam angle | 37° |

LIGHTING FIXTURE | ELECTRICAL DATA

| | |
|----------------------------|-------------|
| Power values of the system | 7,60 W |
| Dimming | Dim options |

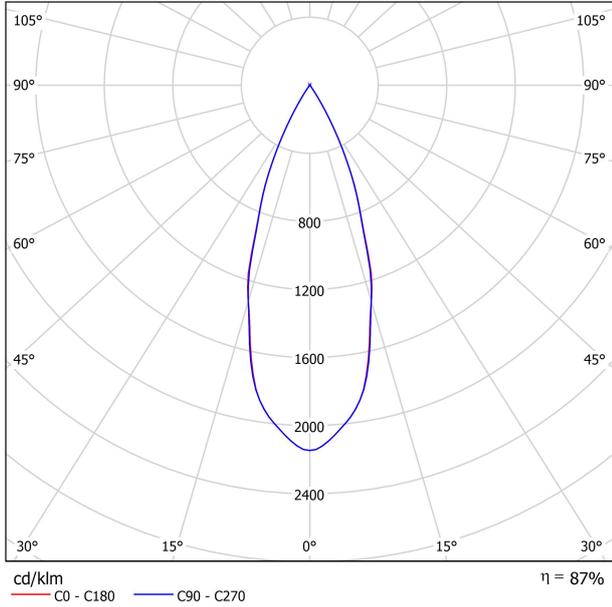
OTHER DATA

| | |
|------------------------|---|
| Environmental location | DRY |
| Track type | Minimal Track |
| Weight | 0.18 lb 80 gr |
| Packaged weight | 0.20 lb 91.1 gr |
| Packaging dimensions | 5.28x1.46x1.38 in 134x37x35 mm |
| Materials | Aluminium / Acrylonitrile Butadiene Styrene |

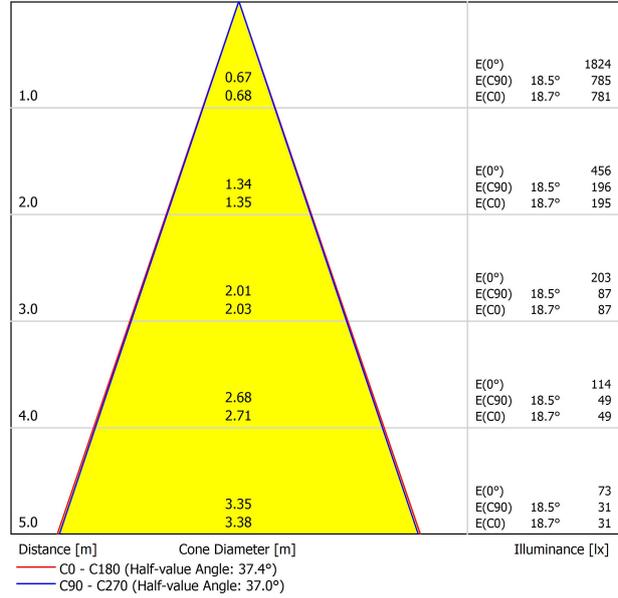


Black Foster Micro 24V for Minimal Track, the most compact downlight with "The Invisible Black" effect. This linear luminaire has an excellent control of the light beam whose rays do not bathe the luminaire and are channelled directly to the exterior without touching the screen. Furthermore, its reduced design enables an absolutely perfect installation of the modules into systems.

POLAR DIAGRAM



CONICAL DIAGRAM

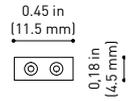
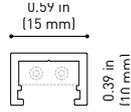


UGR

| 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 | 1.2 | 1.8 | 1.4 | 2.0 | 2.2 | 0.9 | 1.5 | 1.1 | 1.7 | 1.9 |
| | 3H | 4.5 | 5.1 | 4.8 | 5.3 | 5.5 | 4.3 | 4.8 | 4.5 | 5.1 | 5.3 |
| | 4H | 6.3 | 6.9 | 6.6 | 7.1 | 7.4 | 6.1 | 6.7 | 6.4 | 6.9 | 7.2 |
| | 6H | 8.2 | 8.8 | 8.6 | 9.0 | 9.3 | 8.2 | 8.7 | 8.5 | 9.0 | 9.3 |
| | 8H | 9.5 | 10.0 | 9.8 | 10.2 | 10.5 | 9.4 | 9.8 | 9.7 | 10.1 | 10.4 |
| | 12H | 10.8 | 11.3 | 11.2 | 11.6 | 11.9 | 10.8 | 11.2 | 11.1 | 11.5 | 11.8 |
| 4H | 2H | 2.2 | 2.7 | 2.5 | 3.0 | 3.2 | 1.9 | 2.5 | 2.2 | 2.7 | 3.0 |
| | 3H | 5.6 | 6.1 | 6.0 | 6.4 | 6.7 | 5.6 | 6.0 | 5.9 | 6.3 | 6.6 |
| | 4H | 7.7 | 8.1 | 8.0 | 8.4 | 8.7 | 7.5 | 7.9 | 7.9 | 8.2 | 8.6 |
| | 6H | 9.8 | 10.2 | 10.2 | 10.5 | 10.9 | 9.8 | 10.1 | 10.2 | 10.5 | 10.9 |
| | 8H | 11.2 | 11.5 | 11.6 | 11.8 | 12.2 | 11.1 | 11.4 | 11.5 | 11.7 | 12.1 |
| | 12H | 12.7 | 12.9 | 13.1 | 13.3 | 13.7 | 12.6 | 12.9 | 13.0 | 13.3 | 13.7 |
| 8H | 4H | 8.5 | 8.8 | 8.9 | 9.2 | 9.6 | 8.3 | 8.6 | 8.8 | 9.0 | 9.4 |
| | 6H | 10.9 | 11.1 | 11.4 | 11.6 | 12.0 | 10.9 | 11.1 | 11.4 | 11.6 | 12.0 |
| | 8H | 12.4 | 12.6 | 12.9 | 13.0 | 13.5 | 12.4 | 12.5 | 12.8 | 13.0 | 13.4 |
| | 12H | 14.2 | 14.3 | 14.7 | 14.8 | 15.3 | 14.1 | 14.3 | 14.6 | 14.7 | 15.2 |
| 12H | 4H | 8.7 | 9.0 | 9.2 | 9.4 | 9.8 | 8.6 | 8.8 | 9.0 | 9.2 | 9.7 |
| | 6H | 11.3 | 11.4 | 11.7 | 11.9 | 12.4 | 11.3 | 11.4 | 11.7 | 11.9 | 12.4 |
| | 8H | 12.9 | 13.0 | 13.4 | 13.5 | 14.0 | 12.8 | 13.0 | 13.3 | 13.4 | 13.9 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | |
| S = 1.0H | +3.5 / -1.3 | | | | | +3.6 / -1.3 | | | | | |
| S = 1.5H | +6.0 / -1.6 | | | | | +6.0 / -1.6 | | | | | |
| S = 2.0H | +8.0 / -1.7 | | | | | +8.0 / -1.9 | | | | | |
| Standard table Correction Summand | --- | | | | | --- | | | | | |
| Corrected Glare Indices referring to 850lm Total Luminous Flux | | | | | | | | | | | |

24V SYSTEM

MINIMAL TRACK



MINIMAL TRACK 24V Profile 2m UL U384-02-00- | N |

2m = 78.74in

MINIMAL TRACK 24V Rubber Cable n x 1m UL U384-00-01- | N |

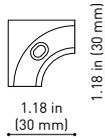
n = Total Length of System
1m = 39.37in

24V | Max. 4A

MINIMAL TRACK 24V Corner 90° 1 Plane UL

U384-00-02- | N |

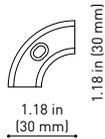
Cable Length = 1.38in (35mm)



MINIMAL TRACK 24V Corner 90° 1 Plane Rounded UL

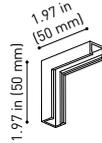
U384-00-03- | N |

Cable Length = 1.38in (35mm)



MINIMAL TRACK 24V Corner 90° 2 Planes UL

Cable Length = 3.94in (100mm)



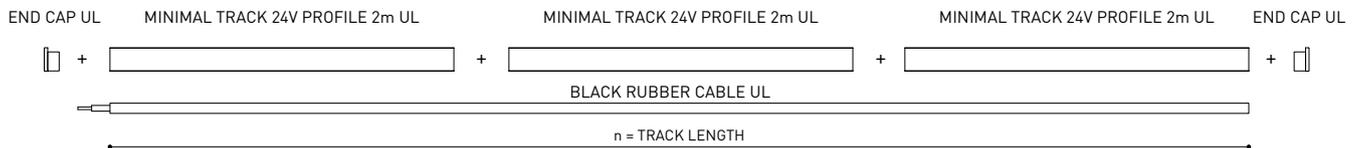
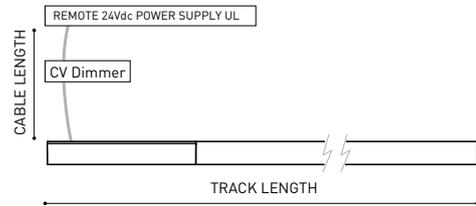
MINIMAL TRACK 24V End Cap UL

U384-00-05- | N |



MINIMAL TRACK 24V Connection Box UL

U384-00-06- | N |



COLOUR | N ■ |

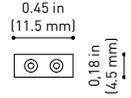
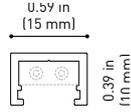
DIM OPTIONS PLEASE CONSULT

INSTALLATION GUIDE
<https://youtu.be/AqTlsTcSoGA>



24V SYSTEM

MINIMAL TRACK SUSPENSION



MINIMAL TRACK 24V Suspension UL

Profile 2m

U384-02-00- | N |

Profile 2m Initial feed kit UL

U400-02-10- | N |

Profile 2m Middle feed kit UL*

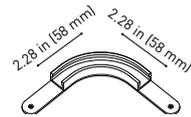
U400-02-20- | N |

* Unidirectional Middle Feed
2m = 78.74in

MINIMAL TRACK 24V Suspension Corner 90° UL

U400-00-03- | N |

Cable Length = 3.35in (85mm)



MINIMAL TRACK 24V Suspension UL

Rubber Cable n x 1m UL

U400-00-01- | N |

n = Total Length of System
1m = 39.37in

24V | Max. 4A

MINIMAL TRACK 24V Suspension Straight Joiner UL

U400-00-02- | N |

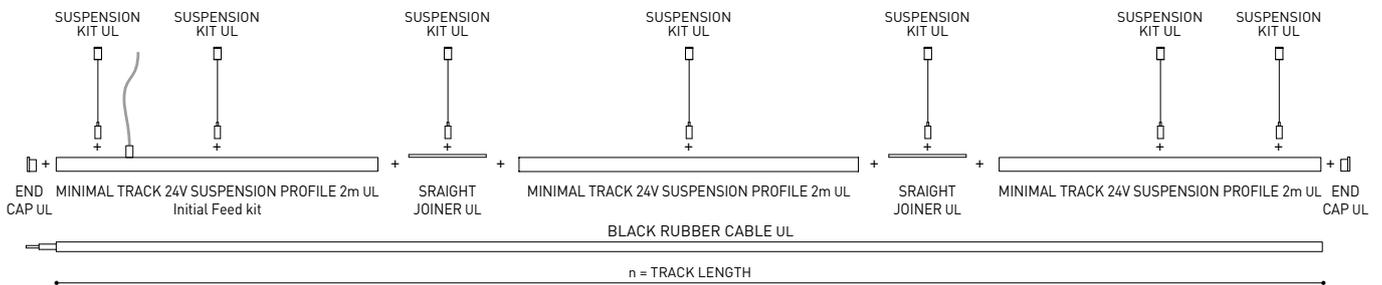
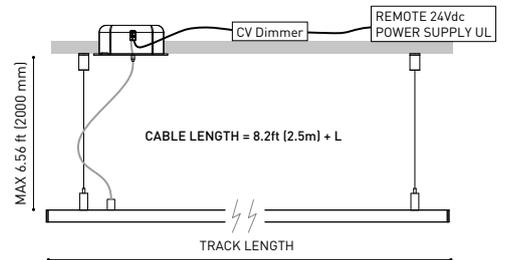
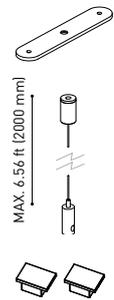
MINIMAL TRACK 24V Suspension Kit UL

U400-02-04- | N |

MINIMAL TRACK 24V Suspension End Caps UL

U400-00-05- | N |

Two End Caps Included



COLOUR | N ■ |

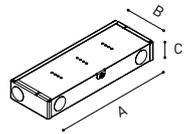
DIM OPTIONS PLEASE CONSULT

24V SYSTEM

MINIMAL TRACK SURFACE & SUSPENSION

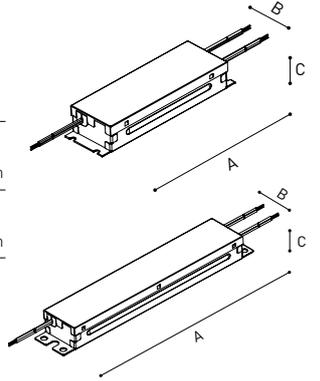
| | P | V | D (A x B x C) | |
|---|-------------------|------|---------------|---|
| MINIMAL TRACK 24V Remote Power Supply UL | U384-00-07 | 100W | 24V | 8.16 x 2.97 x 1.30 in 207.2 x 75.4 x 33 mm |

120 & 277 V | 50/60 Hz | NO DIM



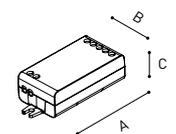
| | P | V | D (A x B x C) | |
|--|-------------------|------|---------------|--|
| MINIMAL TRACK 24V Dimmable Power Supply UL* | U010-00-01 | 60W | 24V | 5.83 x 1.68 x 1 in 148.2 x 42.6 x 25.4 mm |
| | U010-00-02 | 100W | 24V | 9.5 x 1.57 x 1 in 241.3 x 39.9 x 25.4 mm |

120 & 277 V | 50/60 Hz | 0-10 V



| | P | V | D (A x B x C) | |
|--|-------------------|------|---------------|--|
| MINIMAL TRACK 24V Constant Voltage Dimmer | U010-00-00 | 144W | 24V | 2.86 x 1.18 x 0.71 in 72.6 x 30 x 18 mm |

24 V | CASAMBI



UL DROP VOLTAGE TABLE

| POWER | CABLE SECTION | CABLE LENGTH | | | |
|-------|---------------|-------------------|--------------------|--------------------|--------------------|
| | | <16.40 ft <5 m | <32.80 ft <10 m | <65.62 ft <20 m | <98.43 ft <30 m |
| 60 W | AWG18 | 98.43 ft 30 m | 98.43 ft 30 m | 65.62 ft 20 m | 32.80 ft 10 m |
| | AWG16 | 98.43 ft 30 m | 98.43 ft 30 m | 98.43 ft 30 m | 65.62 ft 20 m |
| 96 W | AWG18 | 65.62 ft 20 m | 32.80 ft 10 m | X | X |
| | AWG16 | 65.62 ft 20 m | 65.62 ft 20 m | 32.80 ft 10 m | X |

PHASE CUT AND DMX DIM OPTIONS PLEASE CONSLT | *POWER SUPPLY REQUIRES AN ENCLOSURE FOR INSTALLATION. ENCLOSURE NOT PROVIDED