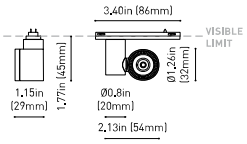
# Io Micro 24V

ARKOSLIGHT

## DIMENSIONS




## Accessories

BEAM MIXER DIFFUSER

ANTI-GLARE HONEYCOMB LOUVER



MINIMAL TRACK OPTIONS

| | PRODUCT |
|---|---|
| Name | IO MICRO 24V UL 20º 3000K NT |
| Reference | U3870011NT |
| Color | Textured black |
| RAL | 9005 |
| Category | TRACK LIGHTS |

| | LIGHT SOURCE |
|---|---|
| Type | LED |
| Gross luminous flux | 550 Lm |
| Color temperature | 3000 K |
| Chromatic stability | MacAdam Step 2 |
| Color Rendering Index | CRI>90 |
| Power | 4.7 W |
| Efficacy | 117 Lm/W |
| LED lifespan | L90B10>60.000h |

| | LIGHTING FIXTURE \| PHOTOMETRIC DATA |
|---|---|
| Lighting efficiency | 83% |
| Delivered luminous flux | 457 Lm |
| Light beam angle | 20° |

| | LIGHTING FIXTURE \| ELECTRICAL DATA |
|---|---|
| Power values of the system | 5 W |
| Dimming | Dim options |

| | OTHER DATA |
|---|---|
| Environmental location | DRY |
| Track type | Minimal Track |
| Weight | 0.13 lb \| 60 gr |
| Packaged weight | 0.22 lb \| 100 gr |
| Packaging dimensions | 4.45 x 3.03 x 1.5 in \| 113 x 77 x 38 mm |
| Materials | Aluminium / Polycarbonate |

Intertek

## Awards

reddot winner 2020 innovative product

reddot winner 2020 lighting design

Bronze Delta ADI Awards 2020

HONORABLE MENTION EUROPEAN PRODUCT DESIGN AWARD

FX DESIGN AWARDS INTERNATIONAL INTERIOR WINNER 2020

archiproducts DESIGN AWARDS WINNER 2020

**US product only. Not available in Canada. iO Micro 24V is a LED spotlight miniaturised in a fixture that is so small that it fits on the palm of your hand. Designed for accent lighting applications, its small dimensions mean it can be fitted in display cabinets, shop windows and small places without generating an invasive presence on the scene. Created to be placed on a track, it offers all the features of concentrated LED spotlights with a minimalist and hyper-reduced design.

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# Lighting Technical Data

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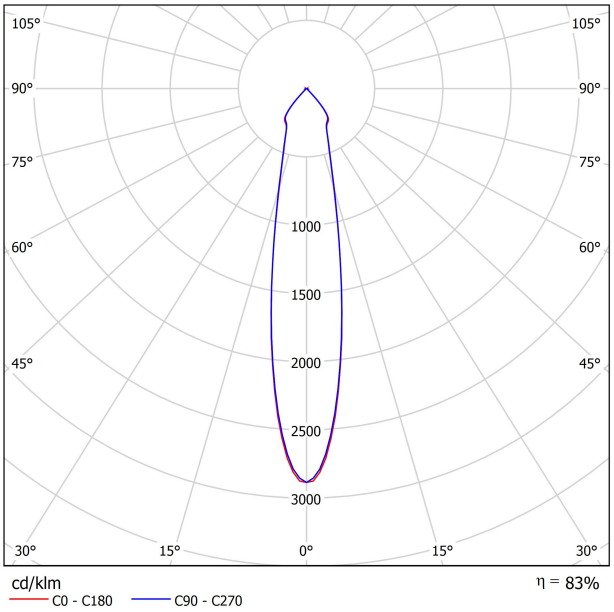
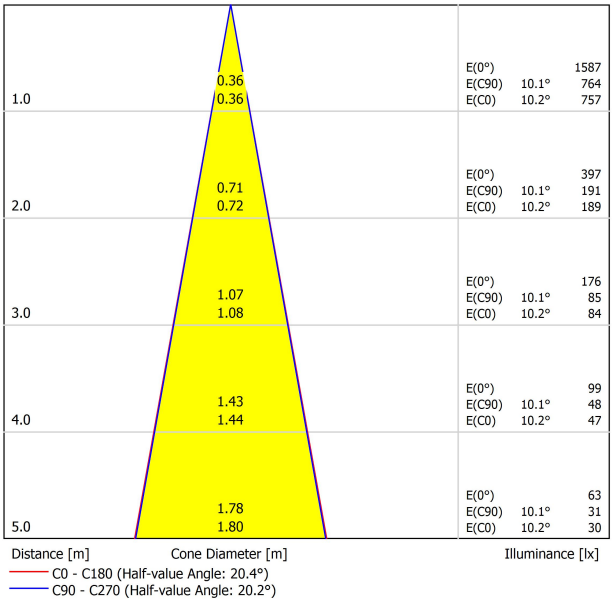
POLAR DIAGRAM




CONICAL DIAGRAM



# Beam Mixer Diffuser

ARKOSLIGHT

| | PRODUCT |
|---|---|
| Model | Beam Mixer Diffuser |
| Reference | A3870000 |
| Category | Accessories |

NOT SOLD SEPARATELY.

## Beam Mixer Diffuser

The beam mixer diffuser reduces irregularities and distortions caused by parabolic, Fresnel lenses, or TIR collimators, ensuring a more uniform light distribution without significantly increasing beam length.

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# Anti-glare Honeycomb Louver

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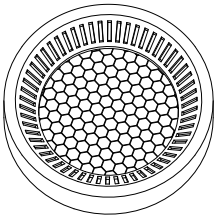

| | PRODUCT |
|---|---|
| Model | Anti-glare Honeycomb Louver |
| Reference | A3870001NT |
| Colour | NT ■ \| Textured black |
| Category | Accessories |

NOT SOLD SEPARATELY.

## Anti-glare Honeycomb Louver

Accessory featuring a honeycomb structure designed to control the light beam, reduce glare, and prevent direct exposure to the light source.

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# Minimal Track

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Minimal Track is a 24V low-voltage lighting system designed to create minimalist and highly configurable installations. On this page, you'll find the necessary components to configure your surface-mounted system.

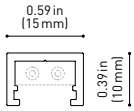
## Track & accessories - Surface mounting

Configure the shape of your track, add end caps and the required accessories, and finish the setup with the conductive strip (rubber cable).

MINIMAL TRACK 24V

**Profile 2m UL**

**U384-02-00- | N | WT |**

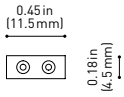



**Rubber Cable n x 1m UL**

**U384-00-01- | N |**

n = Total Lenght of System
1m = 39.37in

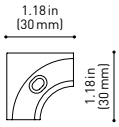
24 V | Max. 4A




**Corner 90º 1 Plane UL**

**U384-00-02- | N | WT |**

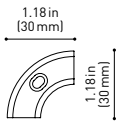
Cable Lenght = 1.38in (35mm)




**Corner 90º 1 Plane Rounded UL**

**U384-00-03- | N | WT |**

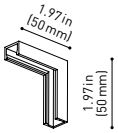
Cable Lenght = 1.38in (35mm)




**Corner 90º 2 Planes UL**

**U384-00-04- | N | WT |**

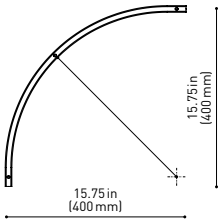
Cable Lenght = 3.94in (100mm)




**Curve 350 1 Plane UL**

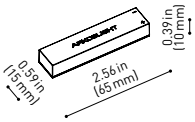
**U384-00-09- | N | WT |**

Cable Lenght = 25.59in (650mm)




**Connection Box UL**

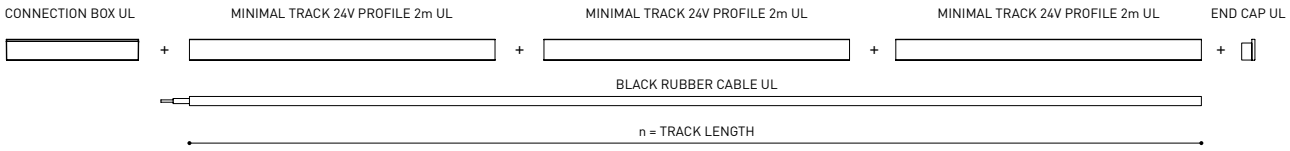
**U384-00-06- | N | WT |**




**End Cap UL**

**U384-00-05- | N | WT |**

## Mounting scheme:




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

INSTALLATION GUIDE
https://youtu.be/KnedJbKp7oo

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# Minimal Track

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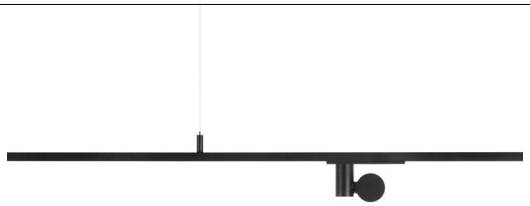
Minimal Track is a 24V low-voltage lighting system designed to create minimalist and highly configurable installations. On this page, you'll find the necessary components to configure your suspension-mounted system.



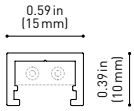
## Track & accessories - Suspension mounting

Configure the shape of your track, add end caps and the required accessories, and finish the setup with the conductive strip (rubber cable).

MINIMAL TRACK 24V **Suspension UL**

**Profile 2m UL**

**U384-02-00- | N | WT |**

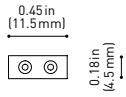



**Rubber Cable n x 1m UL**

**U400-00-01- | N |**

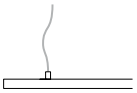
n = Total Lenght of System
1m = 39.37in

24 V | Max. 4A




**Profile 2m Initial feed kit UL**

**U400-02-10- | N | WT |**



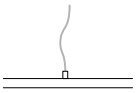
**Suspension Straight Joiner UL**

**U400-00-02- | N | WT |**

**Profile 2m Middle feed kit UL***

**U400-02-20- | N | WT |**

* Unidirectional Middle Feed
2m = 78.74in



**Suspension Kit UL**

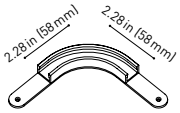
**U400-02-04- | N | WT |**

Max distance between suspension kits = 100 cm.

**Suspension Corner 90º UL**

**U400-00-03- | N | WT |**

Cable Lenght = 3.35in (85mm)




**Suspension End Caps UL**

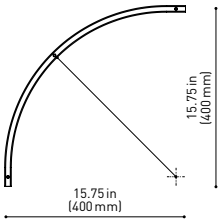
**U400-00-05- | N | WT |**

Two End Caps Included

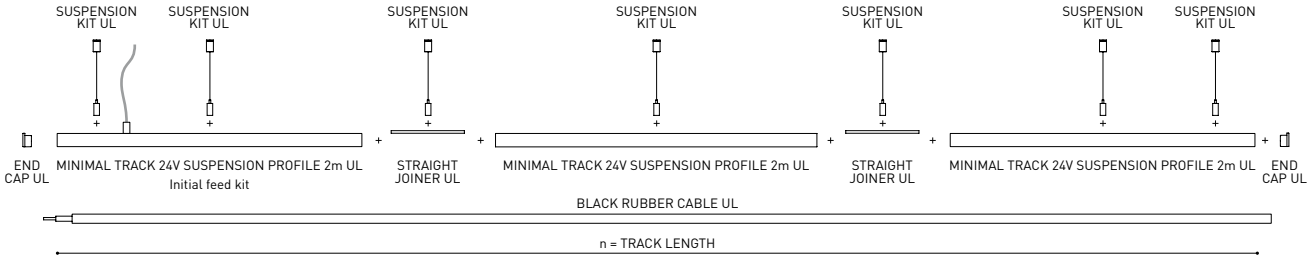
**Curve 350 1 Plane UL**

**U384-00-09- | N | WT |**

Cable Lenght = 25.59in (650mm)




## Mounting scheme:




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

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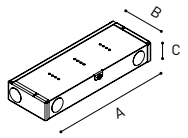
## Power Supply

Select your power supply, include a dimmer if needed, and explore the connection diagrams provided.

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

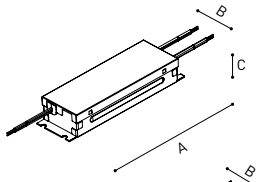
120 & 277 V | 50/60 Hz | NO DIM

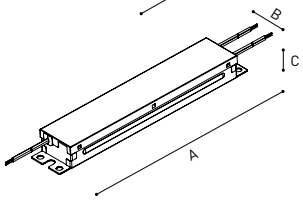



| | | P | V | D (A x B x C) |
|---|---|---|---|---|
| MINIMAL TRACK 24V<br>**Dimmable Power Supply UL*** | **U010-00-01** | 60W | 24V | 5.83 x 1.68 x 1 in<br>148.2 x 42.6 x 25.4 mm |
| | **U010-00-02** | 100W | 24V | 9.5 x 1.57 x 1 in<br>241.3 x 39.9 x 25.4 mm |

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

*Power Supply requires an enclosure for instalation. Enclosure not provided

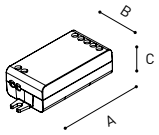


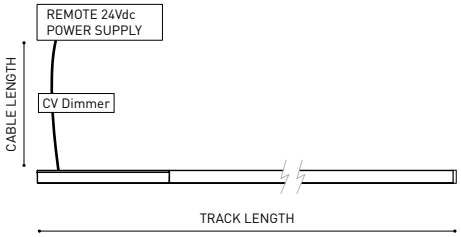

| | | P | V | D (A x B x C) |
|---|---|---|---|---|
| MINIMAL TRACK 24V<br>**Constant Voltage Dimmer** | **U010-00-00** | 144W | 24V | 2.86 x 1.18 x 0.71 in<br>72.6 x 30 x 18 mm |

24 V | CASAMBI

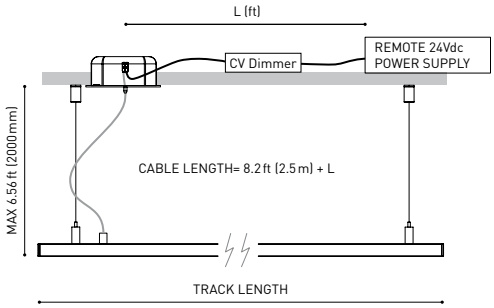
Phase Cut and DMX DIM Options please consult




## Connection diagrams:




Surface system




Suspension system

UL DROP VOLTAGE TABLE

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

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