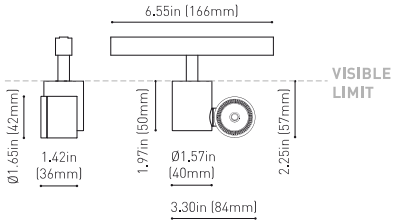
# Io 48V

ARKOSLIGHT

## DIMENSIONS




## Accessories

BEAM MIXER DIFFUSER

ANTI-GLARE HONEYCOMB LOUVER

TRACK 48V OPTIONS

| | PRODUCT |
|---|---|
| Name | iO 48V UL DIM DALI 30º 3000K WT |
| Reference | U3480221WT |
| Color | Textured white |
| RAL | 9016 |
| Category | TRACK LIGHTS |

| | LIGHT SOURCE |
|---|---|
| Type | LED |
| Gross luminous flux | 505 Lm |
| Color temperature | 3000 K |
| Chromatic stability | MacAdam Step 2 |
| Color Rendering Index | CRI>90 |
| Power | 4.5 W |
| Efficacy | 112 Lm/W |
| LED lifespan | L90B10>55.000h |

| | LIGHTING FIXTURE \| PHOTOMETRIC DATA |
|---|---|
| Lighting efficiency | 89% |
| Delivered luminous flux | 449 Lm |
| Light beam angle | 30° |

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

| | OTHER DATA |
|---|---|
| Environmental location | DAMP |
| Swivel angle | 325° |
| Rotation angle | 355° |
| Track type | Track 48V |
| Weight | 0.34 lb \| 155 gr |
| Packaged weight | 0.49 lb \| 225 gr |
| Packaging dimensions | 7.40 x 6.50 x 2.09 in \| 188 x 165 x 53 mm |
| Materials | Aluminium - Polycarbonate |

Intertek

## Awards

Silver Delta ADI Awards 2016

DESIGN AWARD 2017

PREMIO ADCV 2017 ORO

GOOD DESIGN

iO 48V 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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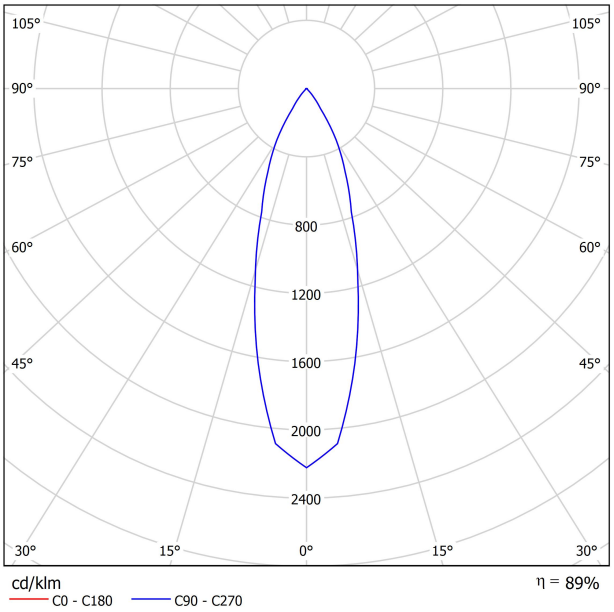
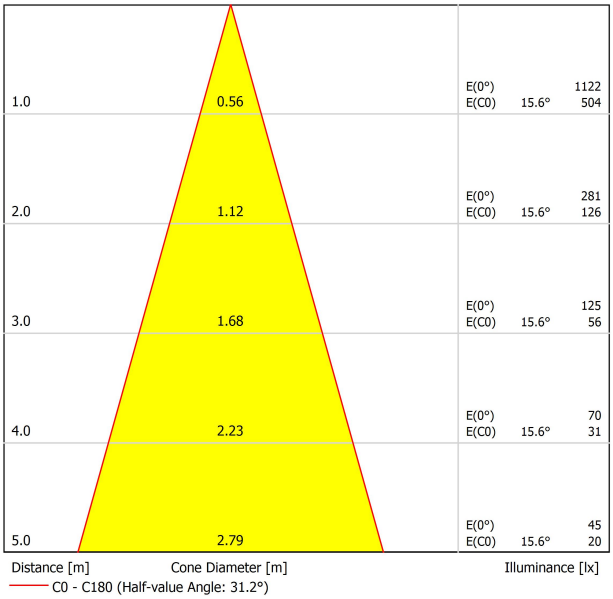
POLAR DIAGRAM




CONICAL DIAGRAM



# Beam Mixer Diffuser

ARKOSLIGHT

| | PRODUCT |
|---|---|
| Model | Beam Mixer Diffuser |
| Reference | 08050100 |
| 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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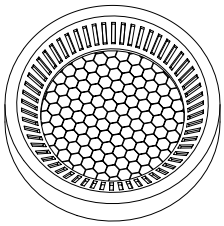

| | PRODUCT |
|---|---|
| Model | Anti-glare Honeycomb Louver |
| Reference | 08060000WT |
| Colour | **WT** ☐ \| Textured white |
| Category | Accessories |

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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# Track 48V

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48V track lighting systems are low-voltage lighting solutions based on electrified tracks. The track serves both as a physical structure and as a power carrier, allowing light modules to be placed and repositioned as needed, offering flexibility, safety, and energy efficiency.
Ideal for projects that demand minimalist design, high performance, and adaptability.

To configure your 48V system, you'll need to combine the following components:

1. Tracks – Available in surface, trimless, surface short, suspended (using suspension accessories with the surface track), and indirect light versions. They form the structural and electrical base of the system.

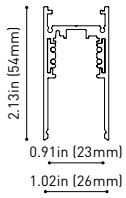
2. Connectors & Power Supply – Ensure electrical continuity between track sections and provide the 48V power input.

3. Accessories – Including end caps, joiners, mounting elements, and optional installation accessories to complete and secure the setup.

## Track Options

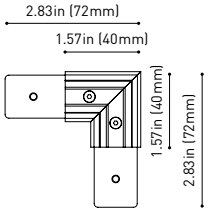
### Surface

| | | |
|---|---|---|
| TRACK 48V SURFACE 3.28ft (1m) UL | U338-11-00- | NT \| WT \| |
| TRACK 48V SURFACE 6.56ft (2m) UL | U338-12-00- | NT \| WT \| |

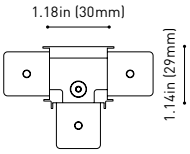



| | | |
|---|---|---|
| TRACK 48V SURFACE Corner 90º One Plane UL | U338-14-00- | NT \| WT \| |
| TRACK 48V SURFACE T-Joint UL | U338-15-00- | NT \| |
| TRACK 48V SURFACE X-Joint UL | U338-16-00- | NT \| |

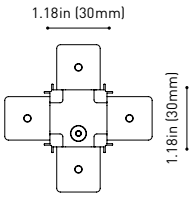
Corner 90º One Plane UL



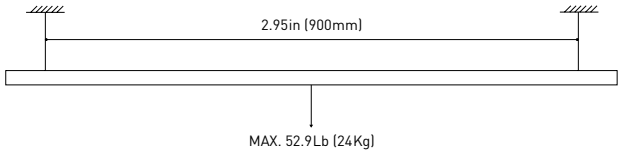

T-Joint UL




X-Joint UL




Straight joiners included
*Electrical connections not included



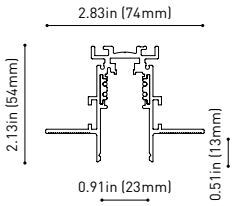

### Trimless

TRIMLESS INSTALLATION GUIDE
https://youtu.be/tgGsQdaYe-w

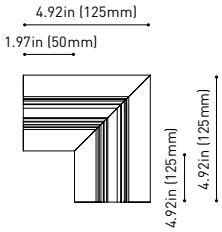
| | | |
|---|---|---|
| TRACK 48V TRIMLESS 3.28ft (1m) UL | U338-01-00- | N \| WT \| |
| TRACK 48V TRIMLESS 6.56ft (2m) UL | U338-02-00- | N \| WT \| |
| TRACK 48V TRIMLESS Corner 90º One Plane UL | U338-06-00- | N \| WT \| |
| TRACK 48V TRIMLESS Corner 90º Two Planes UL | U338-07-00- | N \| WT \| |

Plasterboard ceiling, mandatory thickness 0.50in (12.5mm). Recommended for installations where the profile can be installed before the false plasterboard ceiling.

Track 48V Trimless UL

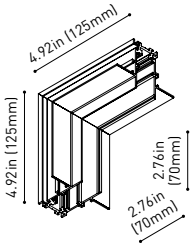



Corner 90º One Plane UL




*Electrical connection not included

Corner 90º Two Planes UL

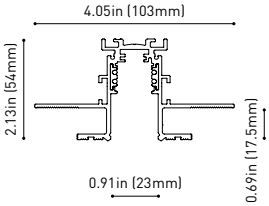



*Electrical connection not included

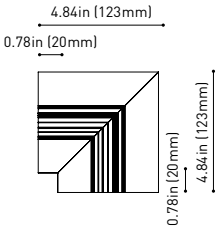
| | | |
|---|---|---|
| TRACK 48V TRIMLESS DEEPER 4ft (1.21m) UL | U338-31-00- | N \| WT \| |
| TRACK 48V TRIMLESS DEEPER 8ft (2.44m) UL | U338-32-00- | N \| WT \| |
| TRACK 48V TRIMLESS DEEPER | | |
| Corner 90º One Plane UL | U338-36-00- | N \| WT \| |
| Corner 90º Two Planes UL | U338-37-00- | N \| WT \| |

Plasterboard ceiling, mandatory thickness 0.63in (15.9mm). Recommended for installations where the profile can be installed before the false plasterboard ceiling.

Track 48V Trimless Deeper UL

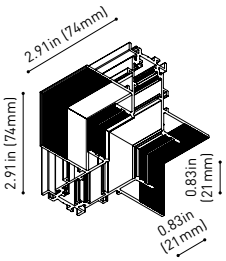



Track 48V Trim. Deeper Corner 90º One Plane UL




*Electrical connection not included

Track 48V Trim. Deeper Corner 90º Two Planes UL




*Electrical connection not included

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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# Track 48V

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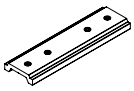
## Complementary track accessories

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

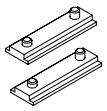
### Surface

Surface Straight Joiner 48V UL
U338-00-11



### Trimless

Trimless Straight Joiners (2 units) 48V UL
U338-00-05- | N | WT |

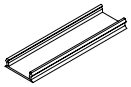


### For all tracks

End 48V UL
U338-00-06- | NT | WT |

End Feed 48V UL
U338-00-07- | NT | WT |

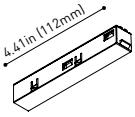
Cover Gap 3.28ft (1m) 48V UL
U338-00-30- | N | W |



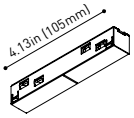
## Connector options

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

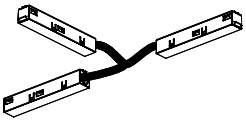
Live-End Connector 48V UL
U338-00-01- | N | W |



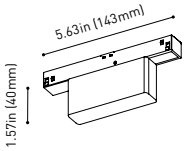

Central Connector 48V UL
U338-00-02- | N | W |



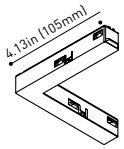

T-Joint Connector 48V UL
U450-00-07- | N |



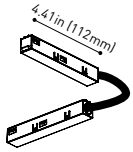
Wireless Control 48V UL
U434-01-31- | N | W | Casambi



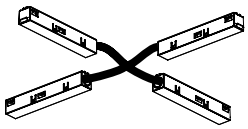

Corner 90º Connector One Plane 48V UL
U338-00-24- | N | W |
*Not suitable for trimless version




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




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.

### For all tracks

| | | 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 & 277 V | 50/60 Hz

UL DROP VOLTAGE TABLE

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

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

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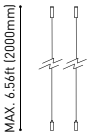
## Other accessories

### Alternative suspension installation

For a suspended configuration, use surface components together with the following accessories:

**Suspension Kit (2 units) 48V UL**

U338-00-15- | NT | WT |




**Suspension feed Kit (2 units) 48V UL**

U338-00-17- | N | W | DIM

*for remote power supply

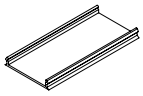
### Trimless installation accessories

Accessories designed to assist in the installation of trimless track systems, making the process easier and ensuring precision.

**Trimless Plaster Installation Guard 3.28ft (1m) 48V UL**

U338-00-21

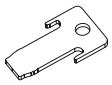
Recommended for installation



**Fixing Template for Track 48V Trimless UL**

U338-00-31

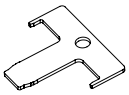
Recommended for installation



**Fixing Template for Track 48V Trimless Deeper UL**

U338-30-31

Recommended for installation

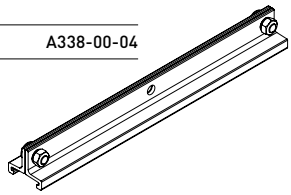


### Trimless mounting accessories

These accessories offer different options for installing trimless track systems according to ceiling type and project needs.

**Trimless T-Bracket 48V UL** U338-00-03

**Trimless Long T-Bracket 48V UL** A338-00-04



**Trimless Clamp for M6 ROD 48V UL** U338-00-09

*See accessories quantities

**Trimless Track Clamp 48V UL** U338-00-10

*See accessories quantities

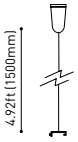
**Trimless Suspension Kit 48V UL** U338-00-08

*See accessories quantities

SUGGESTED MOUNTING ACCESSORIES QUANTITIES

3.28 ft (1000 mm) - 2 Pcs

6.56 ft (2000 mm) - 3 Pcs




TRIMLESS INSTALLATION GUIDE

https://youtu.be/tgGsQdaYe-w

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

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