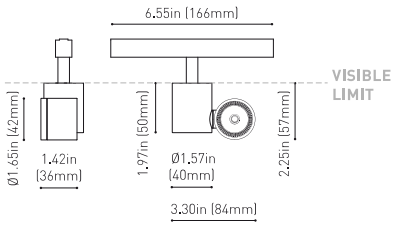
Io 48V

ARKOSLIGHT

DIMENSIONS



Accessories

BEAM MIXER DIFFUSER

ANTI-GLARE HONEYCOMB LOUVER

TRACK 48V OPTIONS

Awards

Silver Delta ADI Awards 2016

DESIGN AWARD 2017

PREMIO ADCV 2017 ORO

GOOD DESIGN

	PRODUCT
Name	iO 48V UL DIM 0-10V 30º 3000K NTW
Reference	U3480121NTW
Color	Textured black - White track
RAL	9005
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	0-10V

	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	7.40x6.49x2.08 in | 188x165x53 mm
Materials	Aluminium - Polycarbonate

Intertek

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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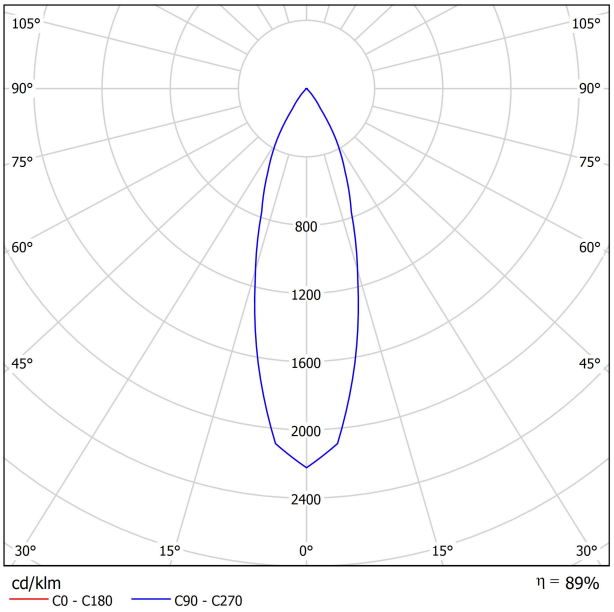
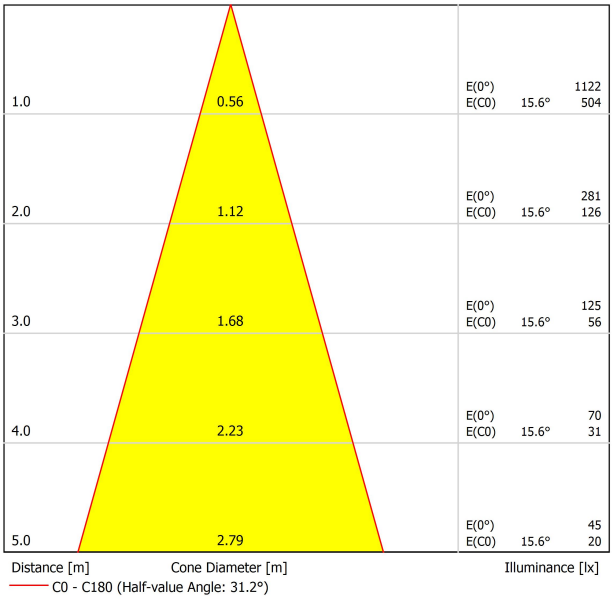
POLAR DIAGRAM



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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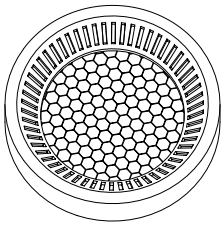
Anti-glare Honeycomb Louver

ARKOSLIGHT



	PRODUCT
Model	Anti-glare Honeycomb Louver
Reference	08060000NT
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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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.

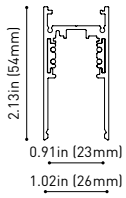
2. Connectors & Power Supply – Ensure electrical continuity between track sections and provide the 48V power input.

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

Track Options

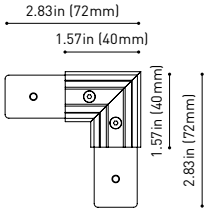
Surface

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

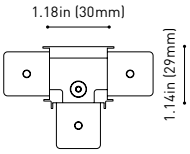


TRACK 48V SURFACE Corner 90º One Plane UL	U338-14-00-	NT | WT |
TRACK 48V SURFACE T-Joint UL	U338-15-00-	NT |
TRACK 48V SURFACE X-Joint UL	U338-16-00-	NT |

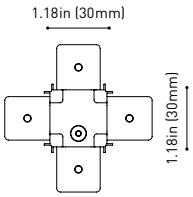
Corner 90º One Plane UL



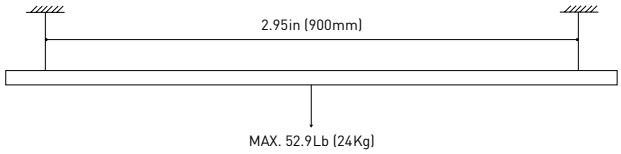
T-Joint UL



X-Joint UL



Straight joiners included
*Electrical connections not included



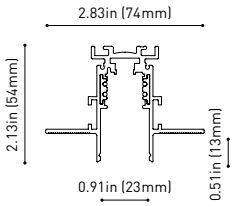
Trimless

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

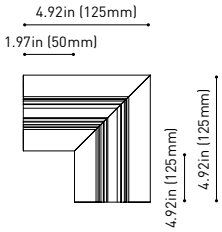
TRACK 48V TRIMLESS 3.28ft (1m) UL	U338-01-00-	N | WT |
TRACK 48V TRIMLESS 6.56ft (2m) UL	U338-02-00-	N | WT |
TRACK 48V TRIMLESS Corner 90º One Plane UL	U338-06-00-	N | WT |
TRACK 48V TRIMLESS Corner 90º Two Planes UL	U338-07-00-	N | WT |

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

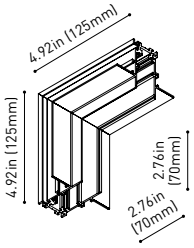


Corner 90º One Plane UL



*Electrical connection not included

Corner 90º Two Planes UL

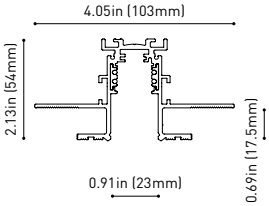


*Electrical connection not included

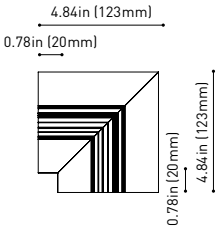
TRACK 48V TRIMLESS DEEPER 4ft (1.21m) UL	U338-31-00-	N | WT |
TRACK 48V TRIMLESS DEEPER 8ft (2.44m) UL	U338-32-00-	N | WT |
TRACK 48V TRIMLESS DEEPER		
Corner 90º One Plane UL	U338-36-00-	N | WT |
Corner 90º Two Planes UL	U338-37-00-	N | WT |

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

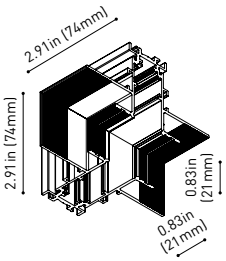


Track 48V Trim. Deeper Corner 90º One Plane UL



*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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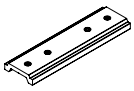
Complementary track accessories

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

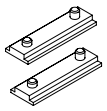
Surface

Surface Straight Joiner 48V UL
U338-00-11



Trimless

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

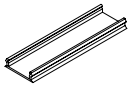


For all tracks

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

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

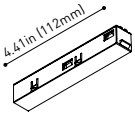
Cover Gap 3.28ft (1m) 48V UL
U338-00-30- | N | W |



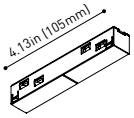
Connector options

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

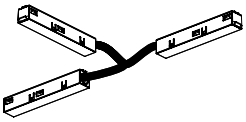
Live-End Connector 48V UL
U338-00-01- | N | W |



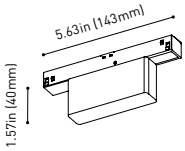
Central Connector 48V UL
U338-00-02- | N | W |



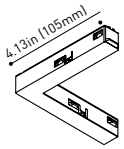
T-Joint Connector 48V UL
U450-00-07- | N |



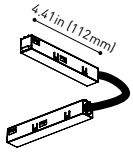
Wireless Control 48V UL
U434-01-31- | N | W | Casambi



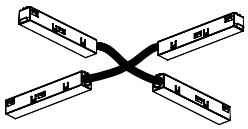
Corner 90º Connector One Plane 48V UL
U338-00-24- | N | W |
*Not suitable for trimless version



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 207 x 75.4 x 33 mm

120 & 277 V | 50/60 Hz

UL DROP VOLTAGE TABLE

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

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

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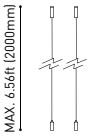
Other accessories

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

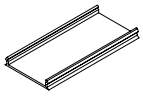
Trimless installation accessories

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

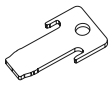
Recommended for installation



Fixing Template for Track 48V Trimless UL

U338-00-31

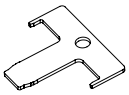
Recommended for installation



Fixing Template for Track 48V Trimless Deeper UL

U338-30-31

Recommended for installation

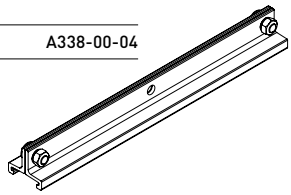


Trimless mounting accessories

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

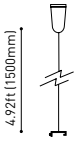
Trimless Suspension Kit 48V UL U338-00-08

*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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