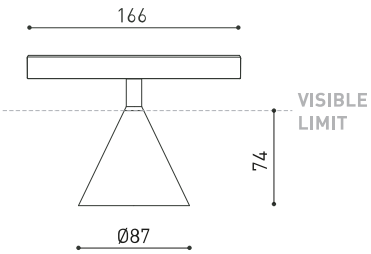
Wiz 48V

ARKOSLIGHT

Dimensions



Accessories

HIGH CHROMATIC LED

TRACK 48V OPTIONS

PRODUCT	
Name	WIZ 48V DIM DALI 2700K NTW
Reference	A4650210NTW
Colour	Textured black - White track
RAL	9005
Category	TRACK LIGHTS
LIGHT SOURCE	
Type	LED
Gross luminous flux	1470 lm
Colour temperature	2700 K
Chromatic stability	MacAdam Step 2
Colour Rendering Index	CRI>90
Power	12,4 W
Current	350 mA
Efficacy	119 lm/W
LED lifespan	L90B10 >55.000h
Energy efficiency class	E
LIGHTING FIXTURE | PHOTOMETRIC DATA	
Lighting efficiency	86%
Light beam angle	38°
UGR	< 19
LIGHTING FIXTURE | ELECTRICAL DATA	
Power values of the system	13,52 W
Dimming	DALI - Other DIM, please consult
Electrical insulation class	
OTHER DATA	
Sealing	IP20
Wireless control	Please Consult
Track type	Track 48V
Weight	150 g
Packaged weight	270 g
Packaging dimensions	206 x 150 x 105 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

CE

The Wiz 48V downlight integrates "The invisible Black" effect into the Track system. Its design is based on conical geometry to be effective in its role and harmonious in its acrobatic appearance.

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Lighting technical data

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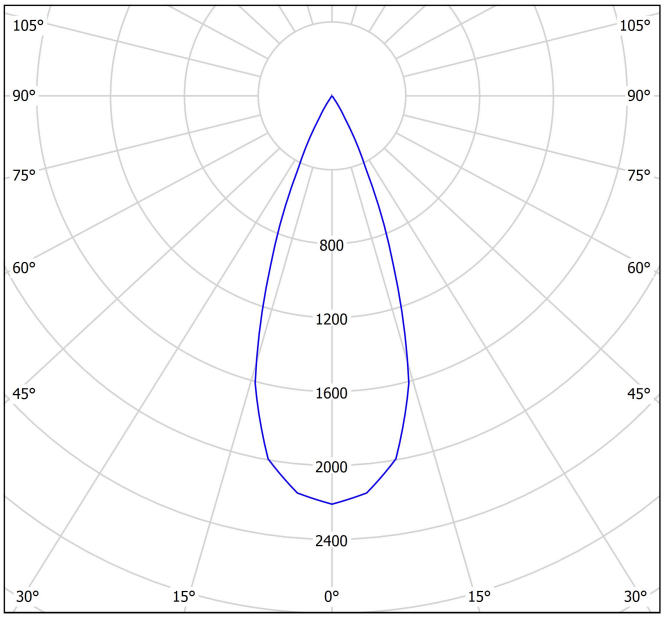
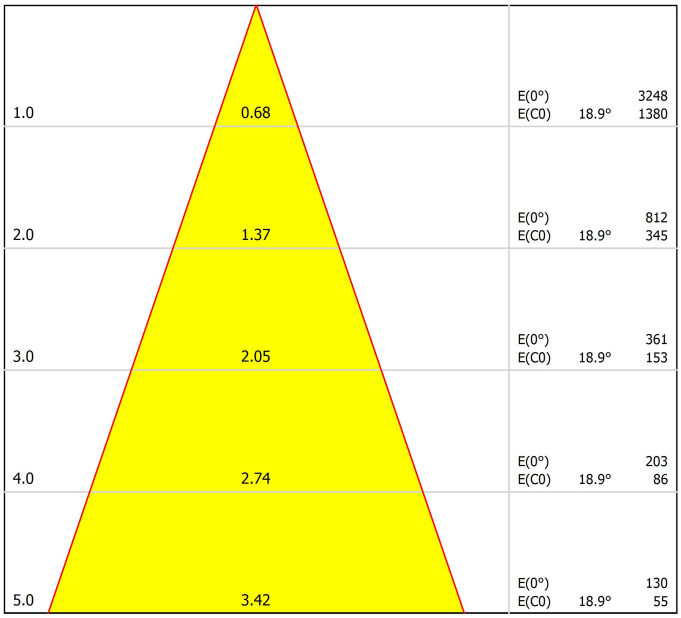
Polar diagram



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	-18.7	-18.1	-18.5	-17.9	-17.7	-18.7	-18.1	-18.5	-17.9	-17.7
	3H	-15.1	-14.5	-14.8	-14.3	-14.1	-15.1	-14.5	-14.8	-14.3	-14.1
	4H	-12.8	-12.3	-12.5	-12.1	-11.8	-12.8	-12.3	-12.5	-12.1	-11.8
	6H	-11.1	-10.6	-10.8	-10.3	-10.0	-11.1	-10.6	-10.8	-10.3	-10.0
	8H	-10.0	-9.5	-9.7	-9.2	-8.9	-10.0	-9.5	-9.7	-9.2	-8.9
	12H	-8.4	-7.9	-8.0	-7.6	-7.3	-8.4	-7.9	-8.0	-7.6	-7.3
4H	2H	-17.9	-17.4	-17.6	-17.1	-16.8	-17.9	-17.4	-17.6	-17.1	-16.8
	3H	-13.7	-13.3	-13.4	-13.0	-12.6	-13.7	-13.3	-13.4	-13.0	-12.6
	4H	-11.3	-10.9	-10.9	-10.6	-10.2	-11.3	-10.9	-10.9	-10.6	-10.2
	6H	-9.5	-9.1	-9.1	-8.8	-8.4	-9.5	-9.1	-9.1	-8.8	-8.4
	8H	-8.2	-8.0	-7.8	-7.6	-7.2	-8.2	-8.0	-7.8	-7.6	-7.2
	12H	-6.5	-6.2	-6.0	-5.8	-5.4	-6.5	-6.2	-6.0	-5.8	-5.4
8H	4H	-10.5	-10.2	-10.1	-9.8	-9.4	-10.5	-10.2	-10.1	-9.8	-9.4
	6H	-8.4	-8.2	-8.0	-7.8	-7.4	-8.4	-8.2	-8.0	-7.8	-7.4
	8H	-7.0	-6.8	-6.5	-6.4	-5.9	-7.0	-6.8	-6.5	-6.4	-5.9
	12H	-4.9	-4.8	-4.5	-4.3	-3.9	-4.9	-4.8	-4.5	-4.3	-3.9
12H	4H	-10.3	-10.1	-9.9	-9.7	-9.3	-10.3	-10.1	-9.9	-9.7	-9.3
	6H	-8.1	-7.9	-7.6	-7.5	-7.0	-8.1	-7.9	-7.6	-7.5	-7.0
	8H	-6.5	-6.4	-6.0	-5.9	-5.4	-6.5	-6.4	-6.0	-5.9	-5.4

Variation of the observer position for the luminaire distances S

S = 1.0H	+6.9 / -10.4	+6.9 / -10.4
S = 1.5H	+9.8 / -11.0	+9.8 / -11.0
S = 2.0H	+11.8 / -11.6	+11.8 / -11.6
Standard table	BK00	BK00
Correction Summand	-14.5	-14.5

Corrected Glare Indices referring to 1470lm Total Luminous Flux

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High Chromatic LED

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Vivid Model Colour Temperature	2700K	3000K	3500K	4000K	Light Pink
Reading			●	●	
Fruits & Vegetables		●	●		
Bakery	●				
Retail		●	●		
Cosmetics			●	●	
Meat					●
Fish				●	
Seafood				●	●

High Chromatic LED

For commercial product showcasing.

Arkoslight offers, in some of its products, the possibility to incorporate a special LED designed to enhance the visual presentation of goods and products for commercial purposes.
This high-chromaticity LED is selected to highlight tones that encourage a positive psychological perception of the illuminated object.

The light source provides a more attractive and intense colour palette than a conventional LED. This is achieved through a specific LED configuration under a “special saturation parameter,” allowing colours and textures to appear more vivid within the visible spectrum.
The diode and its phosphor coating are carefully selected for each application.

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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.

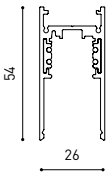
3. Accessories – Including end caps, joiners, mounting elements, and optional installation accessories to complete and secure the setup.

Track Options

Choose the track version required for your project configuration.

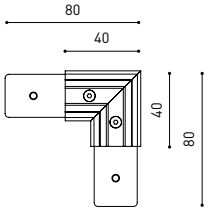
Surface

TRACK 48V SURFACE 1m	A338-11-00- | NT | WT |
TRACK 48V SURFACE 2m	A338-12-00- | NT | WT |
TRACK 48V SURFACE 3m	A338-13-00- | NT | WT |



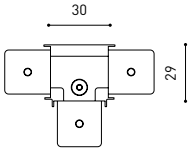
TRACK 48V SURFACE Corner 90º One Plane	A338-14-00- | NT | WT |
TRACK 48V SURFACE T-Joint	A338-15-00- | NT |
TRACK 48V SURFACE X-Joint	A338-16-00- | NT |

Corner 90º One Plane



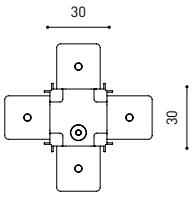
Straight joiner included

T-Joint

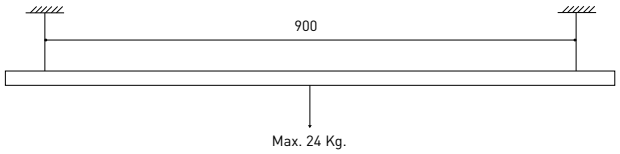


Straight joiner included

X-Joint



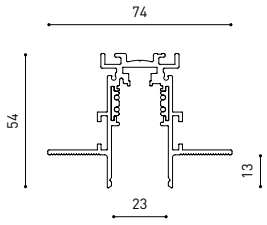
Straight joiner included



Trimless

TRACK 48V TRIMLESS 1m	A338-01-00- | N | WT |
TRACK 48V TRIMLESS 2m	A338-02-00- | N | WT |
TRACK 48V TRIMLESS 3m	A338-03-00- | N | WT |

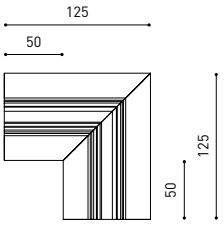
plasterboard ceiling, mandatory thickness 12,5mm. Recommended for installations where the profile can be installed before the false plasterboard ceiling.



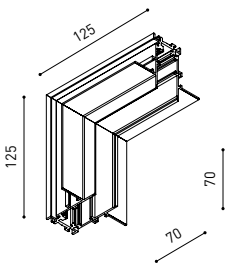
TRACK 48V TRIMLESS Corner 90º One Plane	A338-06-00- | N | WT |
TRACK 48V TRIMLESS Corner 90º Two Planes	A338-07-00- | N | WT |

plasterboard ceiling, mandatory thickness 12,5mm. Recommended for installations where the profile can be installed before the false plasterboard ceiling.

Corner 90º One Plane



Corner 90º Two Planes



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

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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Complementary track accessories

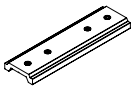
Use end caps, joiners, and gap covers to connect, close, and cleanly finish your track setup.

Surface

End 48V
A338-00-06- | NT | WT |

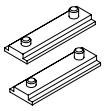
End Feed 48V
A338-00-07- | NT | WT |

Surface Straight Joiner 48V
A338-00-11



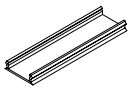
Trimless

Trimless Straight Joiners (2 units) 48V
A338-00-05- | N | WT |



For all tracks

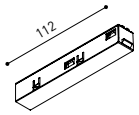
Cover Gap 1m 48V
A338-00-30- | N | W |



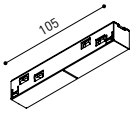
Connector options

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

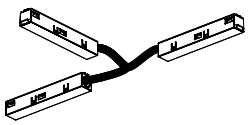
Live-End Connector 48V
A338-00-01- | N |



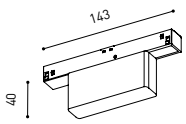
Central Connector 48V
A338-00-02- | N |



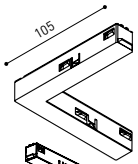
T-Joint Connector 48V
A450-00-07- | N |



Wireless Control 48V
0434-01-31- | N | W | Casambi

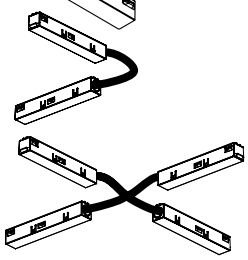


Corner 90º Connector One Plane 48V
A338-00-24- | N | W |
*Not suitable for trimless version



L-Joint Connector 48V
A338-00-12- | N |

X-Joint Connector 48V
A450-00-08- | N |



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

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Power Supply Options

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

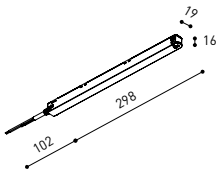
For all tracks

Constant Voltage LED POWER SUPPLY	P	V	D (A x B x C)
0434-01-61* | **N** | **W** |	100W	48V	298 x 19 x 16mm
0434-01-69* | **N** | **W** |	250W	48V	268 x 22 x 40mm
0434-01-62	150W	48V	350 x 30 x 18mm
0434-01-80	250W	48V	400 x 40 x 22mm

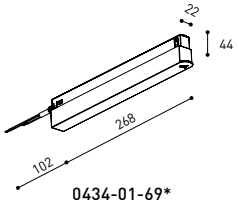
220 240 V~ | *To be installed inside the track.

DROP VOLTAGE TABLE

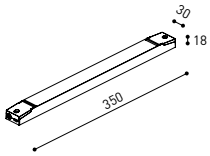
		CABLE LENGTH (m)			
		5	10	20	30
POWER (W)	**CABLE SECTION** (mm^2)	**TRACK LENGTH** (m)			
100	0,75	50	50	X	X
	1,5	50	50	40	25
150	0,75	40	15	X	X
	1,5	50	40	20	X
250	0,75	20	X	X	X
	1,5	35	20	X	X



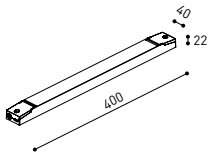
0434-01-61*



0434-01-69*



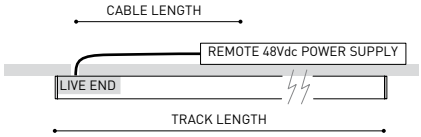
0434-01-62



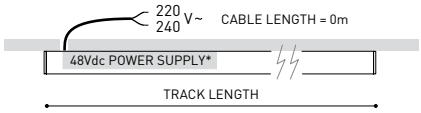
0434-01-80

Connection diagrams:

Surface

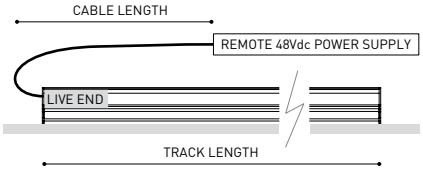


Remote driver installation

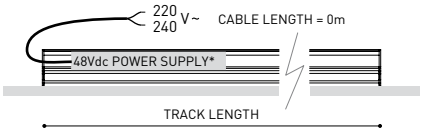


Integrated driver installation

Trimless

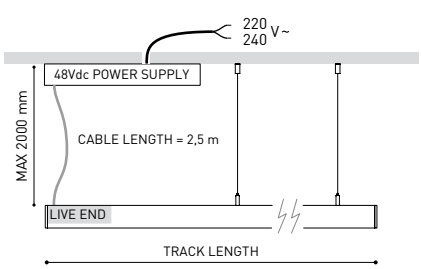


Remote driver installation

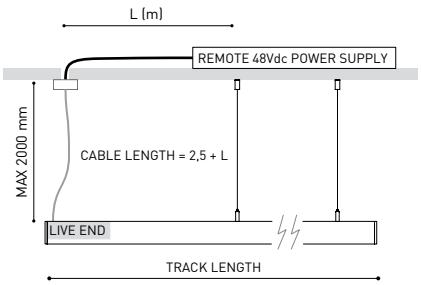


Integrated driver installation

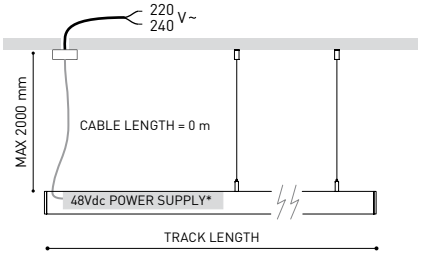
Suspension



Aside box



Remote driver installation



Integrated driver installation

COLOUR | **N** ■ RAL 9005 |

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5 Year GUARANTEE

Other accessories

Alternative surface installation

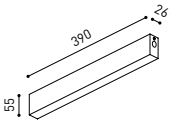
For aside box installation replace the power supply:

Power Supply Case 48V

A338-00-29- | NT | WT | 150W

220 240 V~ INCL

*To be installed aside 48V Surface Tracks

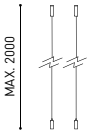


Suspension components

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

SURFACE Suspension Kit (2 units) 48V

A338-00-15- | NT | WT |



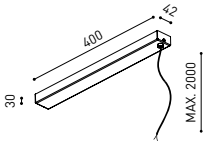
For suspension aside box installation replace the power supply:

Wired Power Supply Case 48V

A338-00-25- | NT | WT | 150W NO DIM

A338-00-26- | NT | WT | 150W DIM

220 240 V~ INCL



Required for remote or integrated driver installation:

Suspension Feed Kit 48V

A338-00-16- | N | W | NO DIM

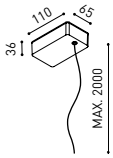
A338-00-17- | N | W | DIM

For remote power supply

A338-00-27- | N | W | NO DIM

A338-00-28- | N | W | DIM

For power supply inside the track



Wire trimless accessories

For installing the suspension system cleanly and discreetly — with no visible ceiling boxes or mounting elements.

FEED

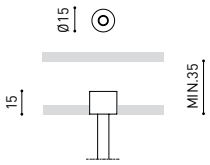
Mains Trimless*

A023-00-01- | W | N | NO DIM

Mains Thick Trimless*

A023-00-02- | W | N | DIM

REMOTE INCL Ø20

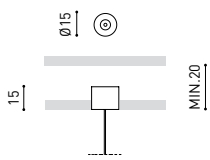


FASTENING

Steel Cable Trimless*

A023-00-05- | W | N |

INCL Ø20



* As many pieces as needed according to your product

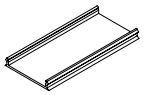
Trimless mounting accessories

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

Trimless Plaster Installation Guard 1m 48V

A338-00-21

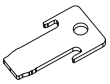
Recommended for installation



Fixing Template for Track 48V Trimless

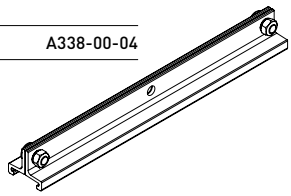
A338-00-31

Recommended for installation



Trimless Short T-Bracket 48V A338-00-03

Trimless Short T-Bracket 48V A338-00-04



Trimless Clamp for M6 ROD 48V A338-00-09

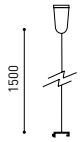
*See accessories quantities

Trimless Track Clamp 48V A338-00-10

*See accessories quantities

Trimless Suspension Kit 48V A338-00-08

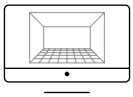
*See accessories quantities



SUGGESTED MOUNTING ACCESSORIES QUANTITIES

1000 mm - 2 Pcs
2000 mm - 2 Pcs
3000 mm - 3 Pcs

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



PRODUCT CONFIGURATOR

Use our online configurator to design your own custom product layout. The tool will guide you through the process and automatically calculate the required drivers and accessories.

Start your configuration →

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

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5 Year GUARANTEE

Track 48V Indirect Light

ARKOSLIGHT

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.

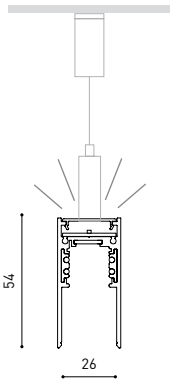
Track Options

Choose the track version required for your project configuration.

		P	CCT	Flux	LOR	L
TRACK 48V + IND. LIGHT 1400	A466-01-20- | NT | WT |	18,3W	2700K	2320lm	70%	1402mm
	A466-01-21- | NT | WT |	18,3W	3000K	2380lm	70%	1402mm
	A466-01-22- | NT | WT |	18,3W	4000K	2585lm	70%	1402mm
TRACK 48V + IND. LIGHT 2800	A466-02-20- | NT | WT |	39,2W	2700K	5210lm	70%	2802mm
	A466-02-21- | NT | WT |	39,2W	3000K	5360lm	70%	2802mm
	A466-02-22- | NT | WT |	39,2W	4000K	5820lm	70%	2802mm

48V | III | IP20 | CRI>90 | L90B5 >50.000 h

MacAdam Step 3 | DALI | Indirect Light INCL | 106°



Complementary track accessories

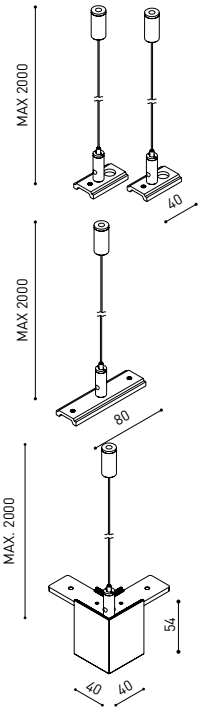
Use end caps, joiners, and gap covers to connect, close, and cleanly finish your track setup.

Indirect Light Suspension kit 48V (2 units)
A466-00-03- | NT | WT |

Suspension straight joiner kit 48V
A466-00-04- | NT | WT |

Suspension 90º Corner joiner kit 48V
A466-00-05- | NT | WT |

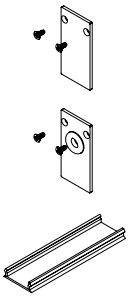
III *Electrical connection not included.



End 48V
A338-00-06- | NT | WT |

End Feed 48V
A338-00-07- | NT | WT |

Cover Gap 1m 48V
A338-00-30- | N | W |



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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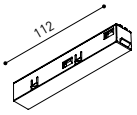
Track 48V

ARKOSLIGHT

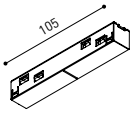
Connector options

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

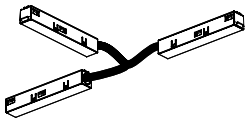
Live-End Connector 48V
A338-00-01- | N | W |



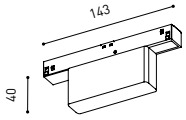
Central Connector 48V
A338-00-02- | N | W |



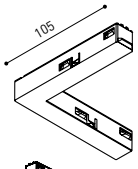
T-Joint Connector 48V
A450-00-07- | N |



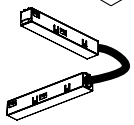
Wireless Control 48V
0434-01-31- | N | W | Casambi



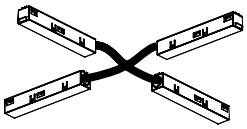
Corner 90º Connector One Plane 48V
A338-00-24- | N | W |



L-Joint Connector 48V
A338-00-12- | N | W |



X-Joint Connector 48V
A450-00-08- | N |



Power Supply Options

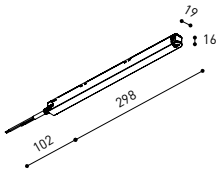
Select the appropriate power feed to deliver 48V to the system based on your track layout and installation type.

Constant Voltage LED POWER SUPPLY	P	V	D (A x B x C)
0434-01-61* | N | W |	100W	48V	298 x 19 x 16mm
0434-01-69* | N | W |	250W	48V	268 x 22 x 40mm
0434-01-62	150W	48V	350 x 30 x 18mm
0434-01-80	250W	48V	400 x 40 x 22mm

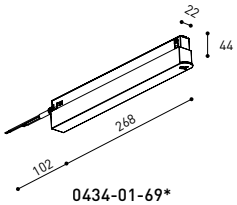
220 240 V~ | *To be installed inside the track.

DROP VOLTAGE TABLE

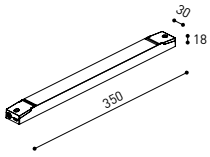
POWER (W)	CABLE SECTION (mm²)	CABLE LENGTH (m) 5	10	20	30
		TRACK LENGTH (m)			
100	0,75	50	50	X	X
	1,5	50	50	40	25
150	0,75	40	15	X	X
	1,5	50	40	20	X
250	0,75	20	X	X	X
	1,5	35	20	X	X



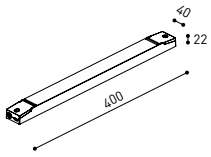
0434-01-61*



0434-01-69*

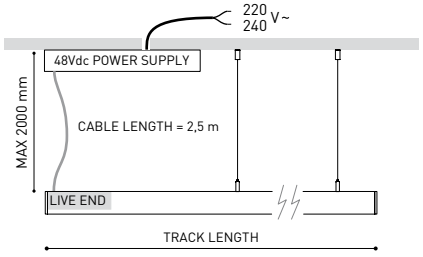


0434-01-62

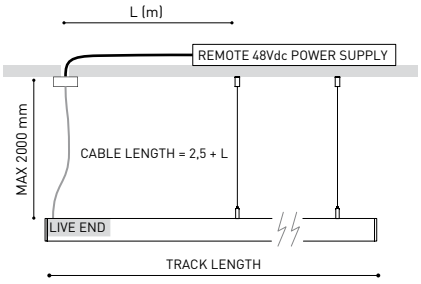


0434-01-80

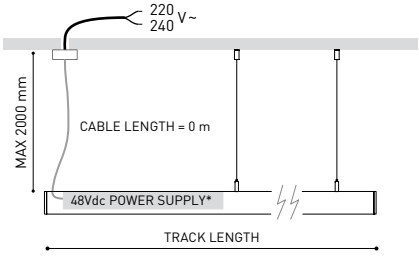
Connection diagrams:



Aside box



Remote driver installation



Integrated driver installation

COLOUR | N ■ RAL 9005 |

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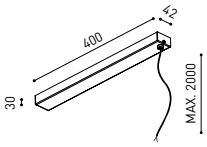
Other accessories

Suspension components

For suspension aside box installation replace the power supply:

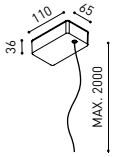
Wired Power Supply Case 48V				
A338-00-25- | NT | WT |	150W	NO DIM
A338-00-26- | NT | WT |	150W	DIM

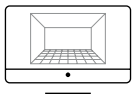
220 240 V~ INCL



Required for remote or integrated driver installation:

Suspension Feed Kit 48V		
A338-00-16- | N | W |		NO DIM
A338-00-17- | N | W |		DIM
	For remote power supply	
A338-00-27- | N | W |		NO DIM
A338-00-28- | N | W |		DIM
	For power supply inside the track	





PRODUCT CONFIGURATOR

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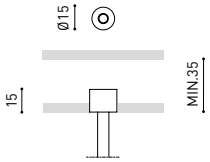
Wire trimless accessories

For installing the suspension system cleanly and discreetly — with no visible ceiling boxes or mounting elements.

FEED

Mains Trimless*		
A023-00-01- | W | N |		NO DIM
Mains Thick Trimless*		
A023-00-02- | W | N |		DIM

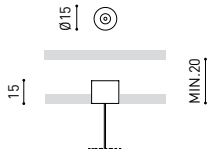
REMOTE INCL Ø20



FASTENING

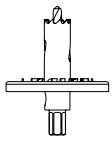
Steel Cable Trimless*	
A023-00-05- | W | N |	

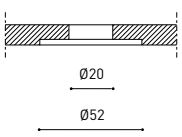
INCL Ø20



* As many pieces as needed according to your product

TRIMLESS TOOL D20 X D52mm	A478-00-01





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

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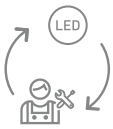
5 Year GUARANTEE

Ecodesign and Energy Labelling

ARKOSLIGHT



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann

Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

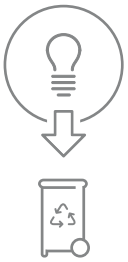
Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

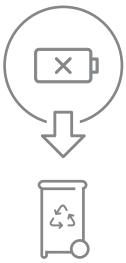
Auswechselbares Betriebsgerät durch autorisierten Fachmann

Instrucciones para el final de vida y la eliminación de los componentes:
Instructions on end-of-life and component disposal:
Instructions pour la gestion des composants en fin de vie et leur mise au rebut :
Istruzioni per il fine vita e lo smaltimento dei componenti:
Anweisungen zur entsorgung der Leuchtenkomponenten:

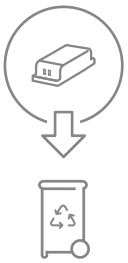
Interrumpir la alimentación del aparato
Cut the power supply to the luminaire
Couper l'alimentation du luminaire
Interrompere l'alimentazione dell'apparecchio
Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho
Remove light source(s) for disposal
Retirer la (les) source(s) lumineuse(s) pour l'élimination
Rimuovere la/le sorgente/e di luce per lo smaltimento
Lichtquelle(n) zur Entsorgung entfernen

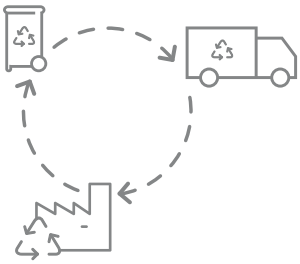


Quitar la batería para el desecho
Remove the battery for decommissioning
Retirer la batterie pour sa mise au rebut
Rimuovere la batteria per la dismissione
Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho
Remove control gear for disposal
Retirer le dispositif de commande pour l'élimination
Rimuovere l'alimentatore per lo smaltimento
Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE
Send the materials to a WEEE collection centre
Envoyer les matériaux dans une déchetterie DEEE
Inviare i materiali ad un centro di raccolta RAEE
Die Materialien in einem WEEE-Zentrum entsorgen



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