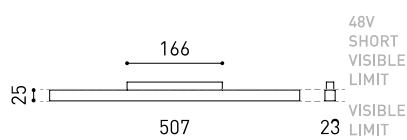




## Dimensions



## Accessories



TRACK 48V OPTIONS

## PRODUCT

Name	LINE 500 48V 2700K N
Reference	A3761010N
Colour	Matt black
RAL	Anodised, bath colour, looks alike RAL 9005
Category	TRACK LIGHTS

## LIGHT SOURCE

Type	LED
Gross luminous flux	1500 lm
Colour temperature	2700 K
Chromatic stability	MacAdam Step 2
Colour Rendering Index	CRI>90
Power	10,5 W
Current	350 mA
Efficacy	141 lm/W
LED lifespan	L80B10 >60.000h
Energy efficiency class	E

## LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency	43%
Light beam angle	98°

## LIGHTING FIXTURE | ELECTRICAL DATA

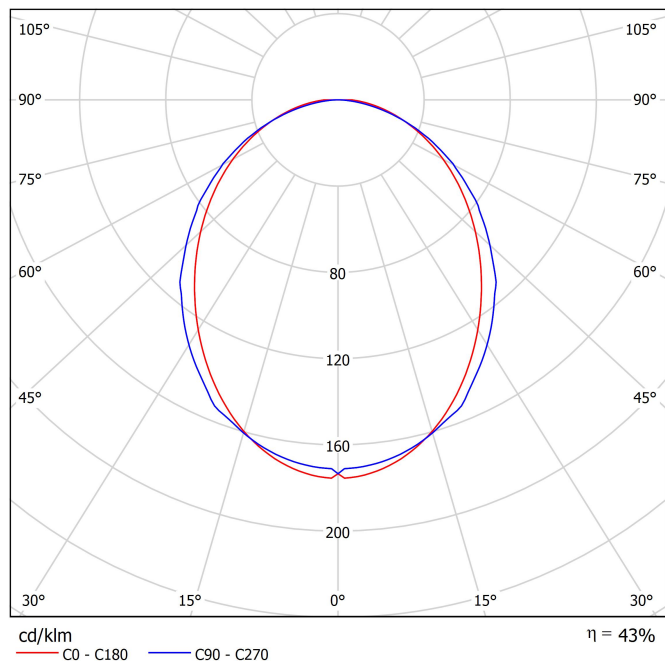
Power values of the system	11,35 W
Dimming	No Dim
Electrical insulation class	II

## OTHER DATA

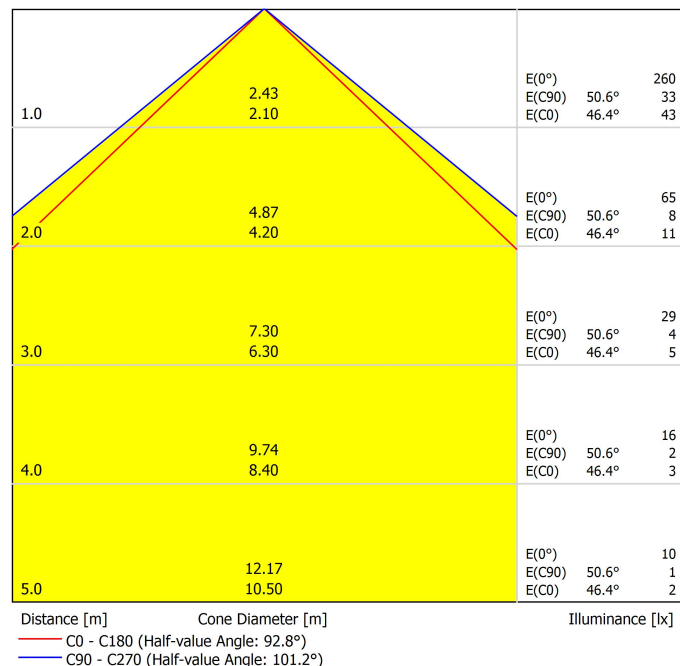
Sealing	IP20
Wireless control	Please Consult
Track type	Track 48V
Weight	230 g
Packaged weight	400 g
Packaging dimensions	Ø55 x 550 mm
Units per package	1
Materials	Aluminium / Polycarbonate

Line 48V, is the line-luminary of diffused light for 48 voltage tracklight applications. This lighting solution allows Arkoslight's 48V tracklight to combine accent lighting with longitudinal general lighting where required.

## Polar diagram



## Conical diagram



## UGR

Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	30
p Walls		50	30	50	30	30	50	30	50	30	30	30
p 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	22.0	23.3	22.3	23.6	23.8	22.4	23.7	22.7	24.0	24.2	
	3H	23.8	25.0	24.1	25.2	25.5	24.2	25.3	24.5	25.6	25.9	
	4H	24.5	25.7	24.9	25.9	26.2	24.8	25.9	25.1	26.2	26.5	
	6H	25.2	26.2	25.5	26.5	26.8	25.2	26.2	25.6	26.5	26.9	
	8H	25.5	26.4	25.8	26.8	27.1	25.3	26.3	25.7	26.6	27.0	
4H	2H	22.6	23.8	23.0	24.0	24.3	23.0	24.1	23.3	24.4	24.7	
	3H	24.7	25.6	25.0	25.9	26.3	24.9	25.9	25.3	26.2	26.5	
	4H	25.5	26.4	25.9	26.7	27.1	25.7	26.5	26.1	26.9	27.3	
	6H	26.3	27.1	26.8	27.4	27.8	26.3	27.0	26.7	27.4	27.8	
	8H	26.7	27.4	27.1	27.8	28.2	26.5	27.2	26.9	27.5	28.0	
8H	2H	27.0	27.6	27.5	28.0	28.5	26.6	27.2	27.0	27.6	28.1	
	4H	25.9	26.6	26.3	27.0	27.4	26.0	26.7	26.5	27.1	27.5	
	6H	26.9	27.4	27.3	27.8	28.3	26.8	27.3	27.2	27.8	28.2	
	8H	27.3	27.8	27.8	28.3	28.7	27.1	27.5	27.5	28.0	28.5	
	12H	27.8	28.2	28.3	28.7	29.2	27.3	27.7	27.8	28.2	28.7	
12H	4H	25.9	26.5	26.4	27.0	27.4	26.1	26.7	26.5	27.1	27.5	
	6H	27.0	27.4	27.4	27.9	28.4	26.9	27.4	27.4	27.8	28.3	
	8H	27.5	27.9	28.0	28.4	28.9	27.2	27.6	27.7	28.1	28.6	
Variation of the observer position for the luminaires distances S												
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1					
S = 1.5H		+0.2 / -0.3					+0.2 / -0.3					
S = 2.0H		+0.3 / -0.7					+0.4 / -0.7					
Standard table		BK07					BK06					
Correction Summand		6.1					5.7					
Corrected Glare Indices referring to 1500lm Total Luminous Flux												

# Track 48V

# 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.

### 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 90° 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 90° 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 90° One Plane	A338-06-00-   N   WT
TRACK 48V TRIMLESS Corner 90° 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 90° One Plane



Corner 90° 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.

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 |



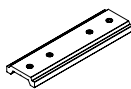
End Feed 48V

A338-00-07- | NT | WT |



Surface Straight Joiner 48V

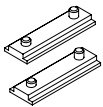
A338-00-11



Trimless

Trimless Straight Joiners (2 units) 48V

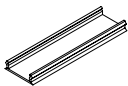
A338-00-05- | N | WT |



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 90° Connector One Plane 48V

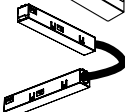
A338-00-24- | N | W |

\*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 |

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



DROP VOLTAGE TABLE

		CABLE LENGTH (m)			
		5	10	20	30
POWER (W)	CABLE SECTION (mm²)	TRACK LENGTH (m)			
		5	10	20	30
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

Connection diagrams:

Surface



Remote driver installation



Integrated driver installation

Trimless



Remote driver installation



Integrated driver installation

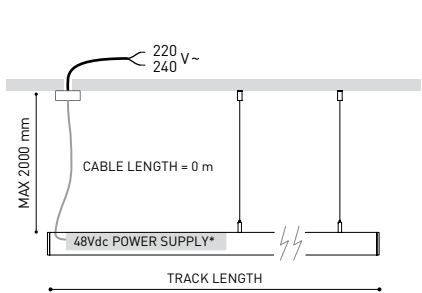
Suspension



Aside box



Remote driver installation



Integrated driver installation

COLOUR | N ■ RAL 9005 |

## Other accessories

## Alternative surface installation

For aside box installation replace the power supply:

## Power Supply Case 48V

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

220 V ~  
240



\*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 |



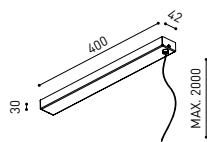
For suspension aside box installation replace the power supply:

## Wired Power Supply Case 48V

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

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

220 V ~  
240



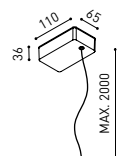
Required for remote or integrated driver installation:

## 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



## FASTENING

## Steel Cable Trimless\*

A023-00-05- | W | N |



\* As many pieces as needed according to your product

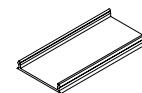
## Trimless mounting accessories

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

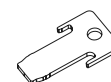
Recommended for installation



## Fixing Template for Track 48V Trimless

A338-00-31

Recommended for installation



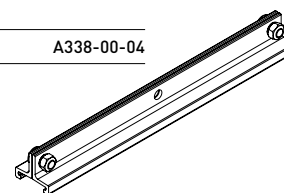
## Trimless Short T-Bracket 48V

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

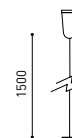
\*See accessories quantities



## Trimless Suspension Kit 48V

A338-00-08

\*See accessories quantities



## SUGGESTED MOUNTING ACCESSORIES QUANTITIES

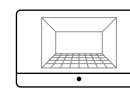
1000 mm - 2 Pcs

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 |

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:

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- 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.

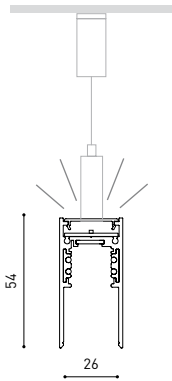


Track Options

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 >50.000h



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

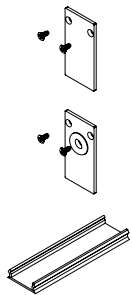
\*Electrical connection not included.



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.

## Connector options

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

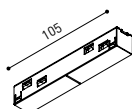
### Live-End Connector 48V

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



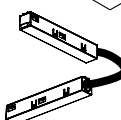
### Corner 90° Connector One Plane 48V

A338-00-24- | N | W |



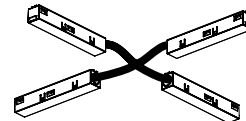
### L-Joint Connector 48V

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



0434-01-61\*



0434-01-69\*



0434-01-62



0434-01-80

### DROP VOLTAGE TABLE

		CABLE LENGTH (m)			
		5	10	20	30
POWER (W)	CABLE SECTION (mm²)	TRACK LENGTH (m)			
		5	10	20	30
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

## Connection diagrams:



Aside box



Remote driver installation



Integrated driver installation

COLOUR | N ■ RAL 9005 |



## 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 V~  
240  
INCL



## PRODUCT CONFIGURATOR

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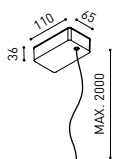
Required for remote or integrated driver installation:

## 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



## FASTENING

## Steel Cable Trimless\*

A023-00-05- | W | N |



\* 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 |



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:



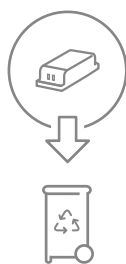
Interrumpir la alimentación del aparato  
Cut the power supply to the luminaire  
Couper l'alimentation du luminaire  
Interrompere l'alimentazione dell'apparecchio  
Stromversorgung der Leuchte unterbrechen



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

