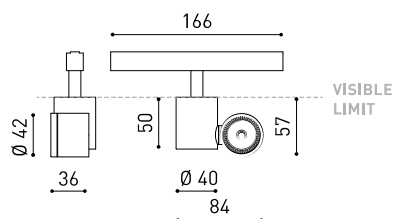




Dimensions



Accessories



Awards



PRODUCT

Name	IO 48V 30° 3000K NT
Reference	A3480121NT
Colour	Textured black
RAL	9005
Category	TRACK LIGHTS

LIGHT SOURCE

Type	LED
Gross luminous flux	505 lm
Colour temperature	3000 K
Chromatic stability	MacAdam Step 2
Colour Rendering Index	CRI>90
Power	4,5 W
Current	500 mA
Efficacy	112 lm/W
LED lifespan	L90B10 >55.000h
Energy efficiency class	F

LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency	89%
Light beam angle	30°

LIGHTING FIXTURE | ELECTRICAL DATA

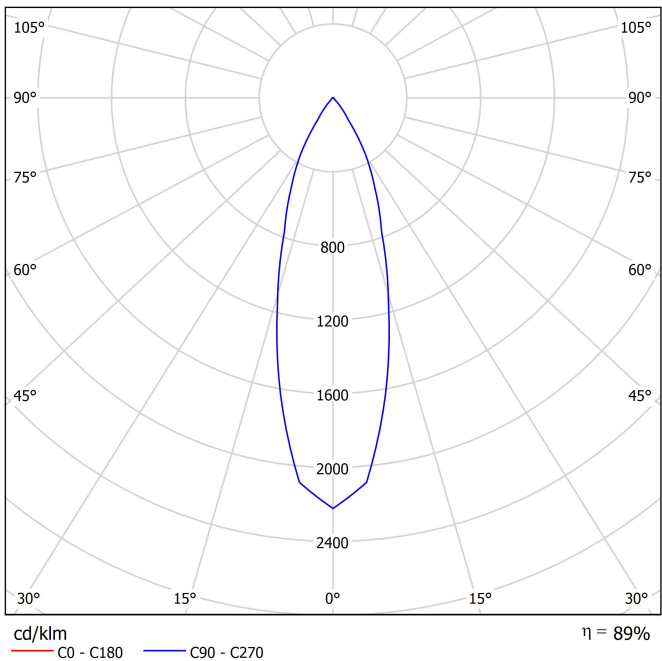
Power values of the system	5,33 W
Dimming	No Dim
Electrical insulation class	II

OTHER DATA

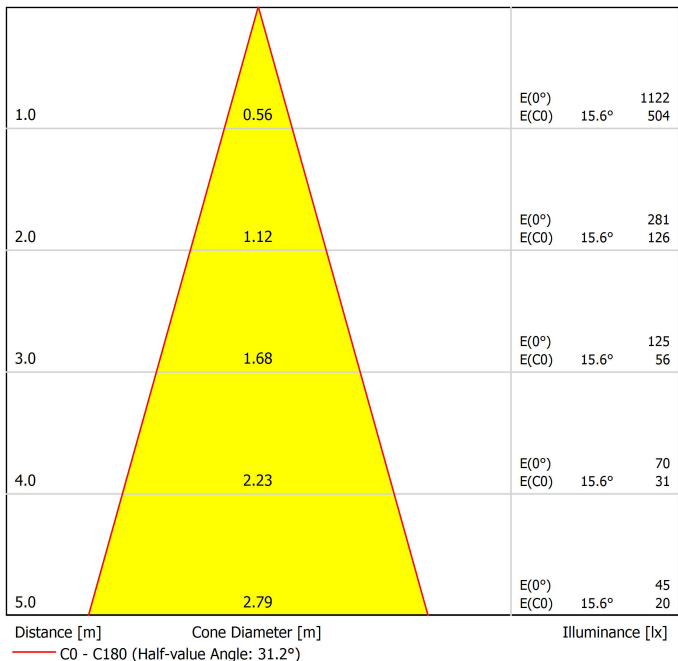
Sealing	IP20
Wireless control	Please Consult
Swivel angle	325°
Rotation angle	360°
Track type	Track 48V
Weight	155 g
Packaged weight	225 g
Packaging dimensions	188 x 163 x 53 mm
Units per package	1
Materials	Aluminium / Polycarbonate

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.

Polar diagram



Conical diagram





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.



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.

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.

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.

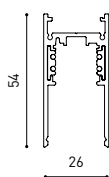


Track Options

Choose the track version required for your project configuration.

Surface

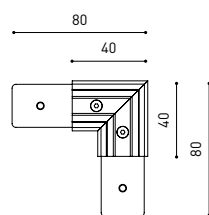
TRACK 48V SURFACE 1m	A338-11-00- NT WT
TRACK 48V SURFACE 2m	A338-12-00- NT WT
TRACK 48V SURFACE 3m	A338-13-00- NT WT



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

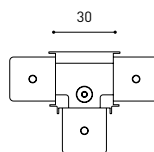


Corner 90° One Plane



Straight joiner included

T-Joint



Straight joiner included

X-Joint



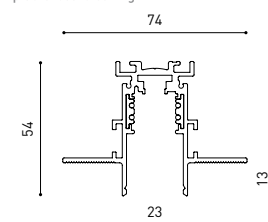
Straight joiner included



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.

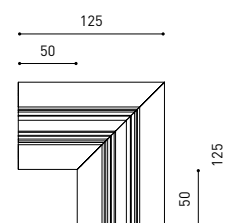


TRACK 48V TRIMLESS Corner 90° One Plane	A338-06-00- N WT
TRACK 48V TRIMLESS Corner 90° Two Planes	A338-07-00- N WT

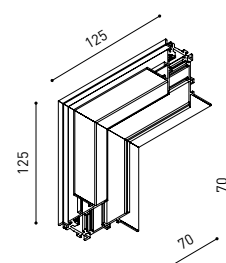
plasterboard ceiling, mandatory thickness 12,5mm. Recommended for installations where the profile can be installed before the false plasterboard ceiling.



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 |



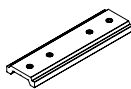
End Feed 48V

A338-00-07- | NT | WT |



Surface Straight Joiner 48V

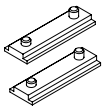
A338-00-11



Trimless

Trimless Straight Joiners (2 units) 48V

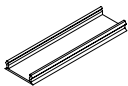
A338-00-05- | N | WT |



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

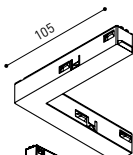
0434-01-31- | N | W | Casambi



Corner 90° Connector One Plane 48V

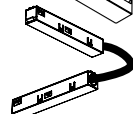
A338-00-24- | N | W |

*Not suitable for trimless version



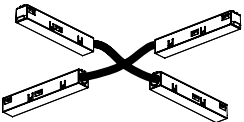
L-Joint Connector 48V

A338-00-12- | N |



X-Joint Connector 48V

A450-00-08- | N |



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

Power Supply Options

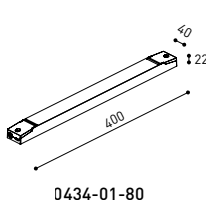
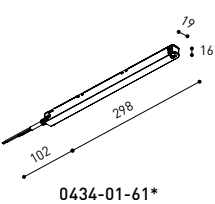
Select the appropriate power feed to deliver 48V to the system based on your track layout and installation type.

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.

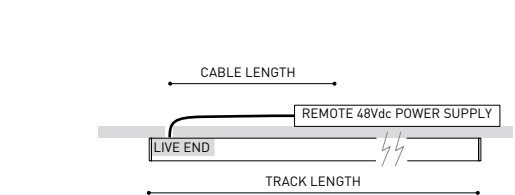


DROP VOLTAGE TABLE

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

Connection diagrams:

Surface

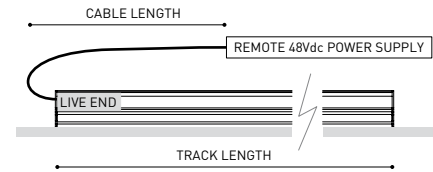


Remote driver installation

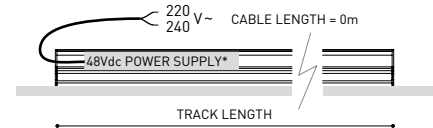


Integrated driver installation

Trimless

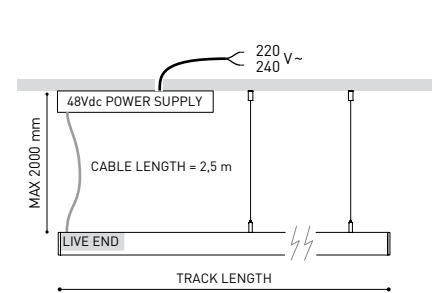


Remote driver installation

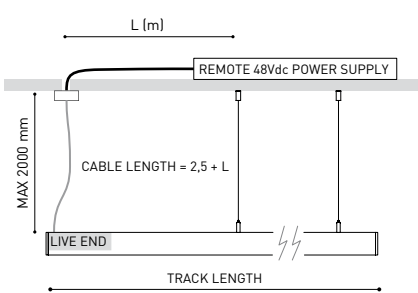


Integrated driver installation

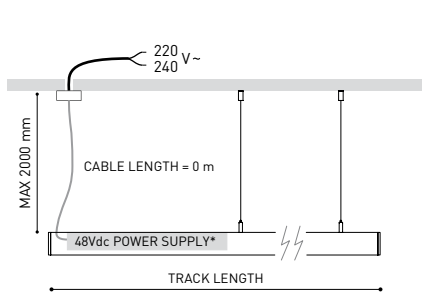
Suspension



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

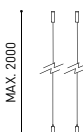


Suspension components

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

SURFACE Suspension Kit (2 units) 48V

A338-00-15- | NT | WT |



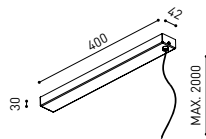
For suspension aside box installation replace the power supply:

Wired Power Supply Case 48V

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

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

220 V ~
240



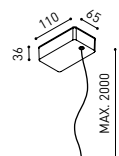
Required for remote or integrated driver installation:

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.

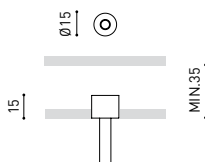
FEED

Mains Trimless*

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

Mains Thick Trimless*

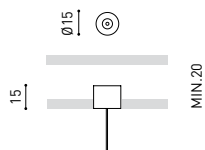
A023-00-02- | W | N | DIM



FASTENING

Steel Cable Trimless*

A023-00-05- | W | N |



* As many pieces as needed according to your product

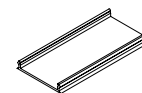
Trimless mounting accessories

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

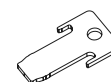
Recommended for installation



Fixing Template for Track 48V Trimless

A338-00-31

Recommended for installation



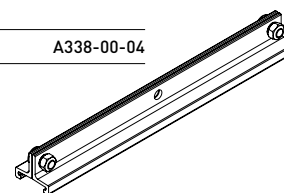
Trimless Short T-Bracket 48V

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

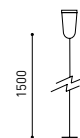
*See accessories quantities



Trimless Suspension Kit 48V

A338-00-08

*See accessories quantities



SUGGESTED MOUNTING ACCESSORIES QUANTITIES

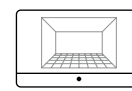
1000 mm - 2 Pcs

2000 mm - 2 Pcs

3000 mm - 3 Pcs

TRIMLESS INSTALLATION GUIDE

<https://youtu.be/tgGsQdaYe-w>



PRODUCT CONFIGURATOR

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[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:

- 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.

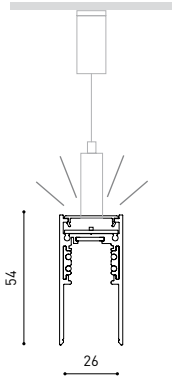


Track Options

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 >50.000h



Complementary track accessories

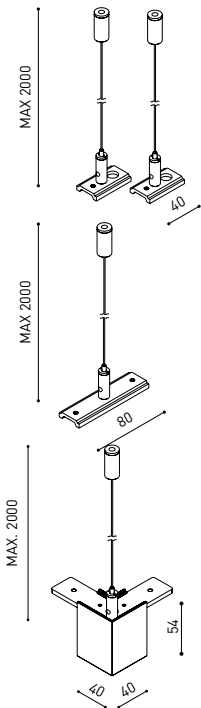
Use end caps, joiners, and gap covers to connect, close, and cleanly finish your track setup.

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 |

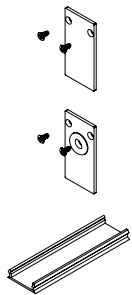
III *Electrical connection not included.



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.

Connector options

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

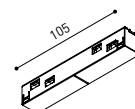
Live-End Connector 48V

A338-00-01- | N | W |



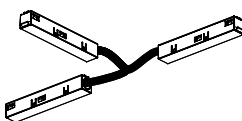
Central Connector 48V

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 |



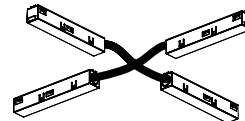
L-Joint Connector 48V

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.

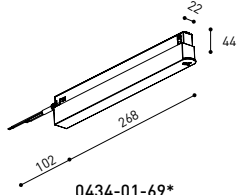
Constant Voltage LED POWER SUPPLY

	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

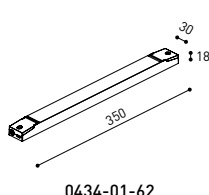
220 V~ 240 | *To be installed inside the track.



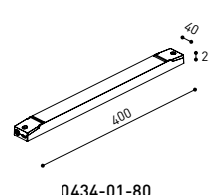
0434-01-61*



0434-01-69*



0434-01-62



0434-01-80

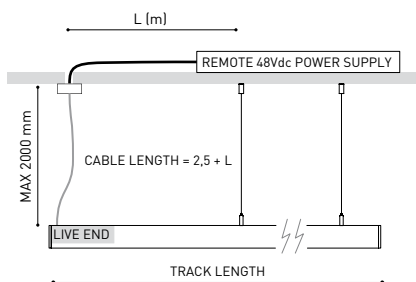
DROP VOLTAGE TABLE

		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

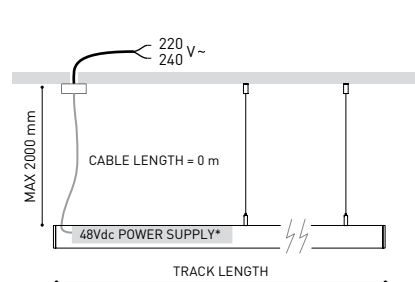
Connection diagrams:



Aside box



Remote driver installation



Integrated driver installation


COLOUR | N ■ RAL 9005 |

Other accessories

Suspension components

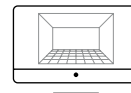
For suspension aside box installation replace the power supply:

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*

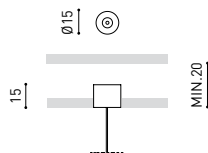
A023-00-02- | W | N |  DIM



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:

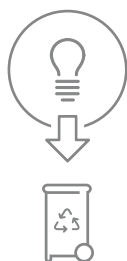
Instructions pour la gestion des composants en fin de vie et leur mise au rebut :

Istruzioni per il fine vita e lo smaltimento dei componenti:

Anweisungen zur entsorgung der Leuchtenkomponenten:



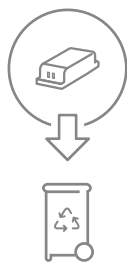
Interrumpir la alimentación del aparato
Cut the power supply to the luminaire
Couper l'alimentation du luminaire
Interrompere l'alimentazione dell'apparecchio
Stromversorgung der Leuchte unterbrechen



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

