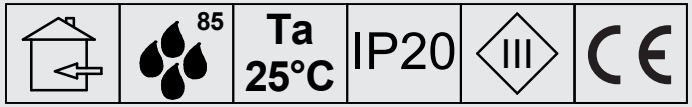
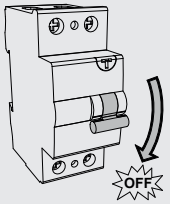
novalux
ITALIAN LIGHTING STYLE SINCE 1948
via Marzabotto, 2 - 40050 Funo di Argelato - Bologna - Italy

# ISTRUZIONI
# L-16 TRACK




In caso di manutenzione togliere tensione. Si consiglia di effettuare l'installazione a cura di personale qualificato.
Always switch-off the power supply before carrying out any maintenance. The installation should be done by qualified personnel.

Alimentazione - Power supply
48Vdc

REV.1
08-22

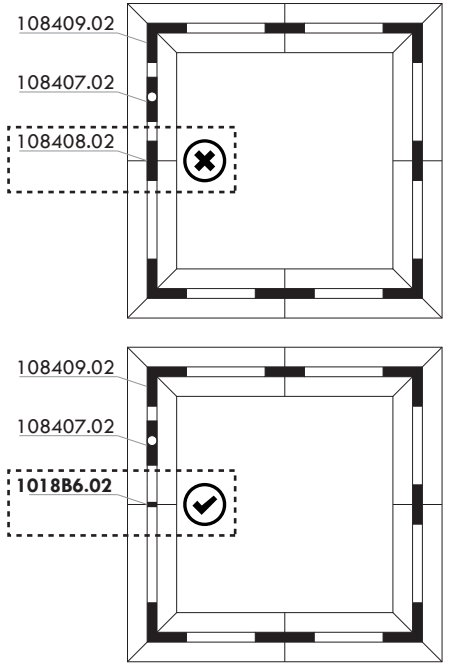
- Durante il montaggio dei binari rispettare le distanze di ancoraggio e non superare i carichi indicati nella relativa sezione.
- L-16 TRACK è un sistema a binario in Classe III, non è compatibile con sistemi a binario in Classe I o in Classe III di altri costruttori. Inserire sul circuito di alimentazione le opportune protezioni affinché siano prevenuti eventuali sovraccarichi o cortocircuiti.
-È vietato utilizzare alimentatori, driver, sistemi Bus Dati e componenti non omologati SELV e/o che abbiano una U-OUT maggiore di 60 V dc.
- In caso fosse necessario all'interno della stessa installazione (edificio, negozio etc) creare un unico BUS DATI unendo elettricamente il BUS DATI del binario a bassa tensione con quello di altri apparecchi di illuminazione è necessario che tutti i componenti utilizzati siano classificati SELV. Si raccomanda l'utilizzo di un ripetitore optoisolato (es. 101320.99).
- È severamente vietato utilizzare qualsiasi tipo di solvente, colla, olio, sgrassatore o detergente a contatto con tutti i componenti del sistema L-16 TRACK. L'azienda non è responsabile di eventuali danni causati dall'utilizzo di suddetti materiali.
- Il distributore ha l'obbligo di informare l'utente sulle modalità di utilizzo di tutti i componenti forniti.
- Materiali, disegni, programma di fabbricazione e confezioni possono subire modifiche o variazioni senza obbligo di preavviso.
- Si declina ogni responsabilità per eventuali errori di stampa.

IT - INFORMAZIONI TECNICHE
- Tensione (in entrata): 0 – 60 V dc
- Corrente: max. 10A - 1A bus dati
- T massima di funzionamento: 70°C (Ta 25°C)
- Classe III (SELV)
- Cavi per cablaggio testata: 2xAWG16 + 2xAWG22
- Certificazione UL 48V-2A Class 2 - 1A bus dati.
- Peso massimo dell'apparecchio di illuminazione: 5N con adattatore.
- Binari per utilizzo in versione NON polarizzata.
- Componenti plastici disponibili solo nella versione NON polarizzata.
- Usare solo elettroniche NON polarizzate
- Non inserire l'adattatore nelle parti di binario curve
- ATTENZIONE: per limitare il rischio di surriscaldamento e di incendio non cortocircuitare i conduttori
- La sostituzione del cavo della testata 108407.02 può essere effettuata solo dal costruttore o dal suo servizio di assistenza

- Do not exceed listed loading indicated in the relevant section and respect fixing distances during the track mounting.
- This track system is Class III and is not compatible with Class I track systems or Class III track systems from other manufacturers. Insert the appropriate power circuit protections in order to prevent short circuits or overloads.
- It is forbidden to use control gear, drivers, DATA BUS systems and components that are not SELV-approved and/or with U-OUT greater than 60 VDC.
- If in an installation (building, shop, etc.) the track system is being integrated with a larger lighting control system electrically merging the DATA BUS of the low-voltage track with that of other light fittings, all components used must be SELV-approved. We recommends to use an opto-insulator repeater (es. 101320.99).
- It is strictly forbidden to use any kind of solvent, glue, oil, grease or cleaner in contact with L-16 TRACK system components. The company is not responsible of any demage caused by the use of the materials mentioned above.
- The distributor is obliged to provide its customers with guidance on the correct use of all components supplied.
- Materials, design, our development program and packages may be subject to changes without notice.
- We decline responsability for any misprint.

EN - TECHNICAL INFO
- Supply Voltage (input): 0 – 60 V dc "The supply voltage must be between 0 and 60 VDC"
- Supply Current: max. 10A - 1A data bus "supply current must not exceed 10 A - 1A data bus"
- Max operating temperature: 70°C The operating temperature must not exceed 70°C (Ta 25°C)
- Class III (SELV) "This track is a Class III - SELV product"
- End Feed wiring cables: 2xAWG16 + 2xAWG22 cables to wire the end power feed."
- UL certification 48V-2A Class 2.
- Maximum weight of the lighting fixture: 5N with adapter
- Tracks to be used in NON polarised version.
- The plastic components are supplied only in NON-polarised version.
- Use only NON polarized electronics
- Do not insert the adapter in the curved track parts.
- ATTENTION: to reduce the risk of overheating and fire do not bridge conductors
- The replacement of the 108407.02 end-feed cable can only be carried out by the manufacturer or its customer service

In caso di composizioni chiuse assicurarsi che il data BUS non crei una struttura ad anello. Inserire una testata terminale 1018B6.02 come nell'esempio.
Please ensure that the data BUS wiring does not create a ring structure. Insert an end cap 1018B6.02 as shown in the image below.



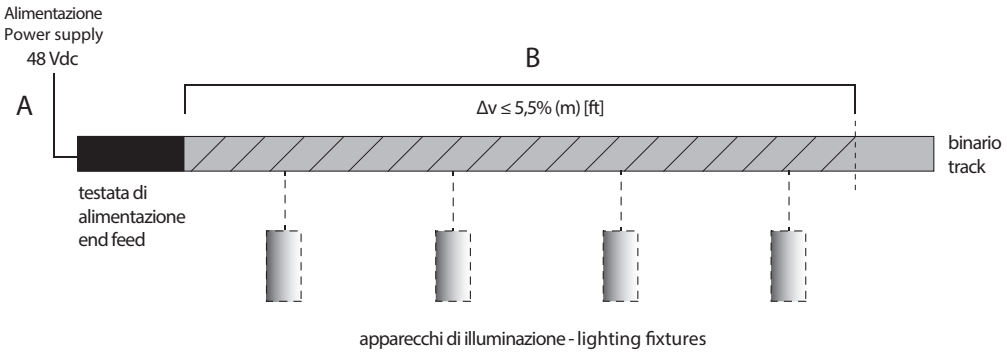

IT - TABELLA CADUTA DI TENSIONE
EN - DROP VOLTAGE TABLE

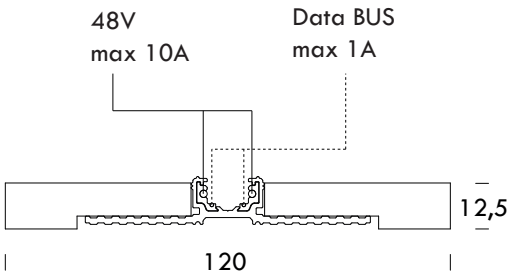
IT Le indicazioni sono relative ad un carico equivalente alla potenza erogata ed equivalente distribuito sulla lunghezza indicata in tabella.

EN Information refers to a load equivalent to the power supplied and equally distributed on the relevant lenght in the table.

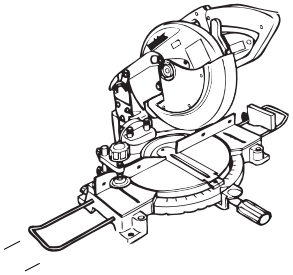
| Alimentazione Power supply (W) | A Distanza alimentazione/testata (2x1,5mm² - 2xAWG16) Distance power supply/feed unit (2x1,5mm² - 2xAWG16) | | | |
|---|---|---|---|---|
| | 5m [16.4'] | 10m [32.8'] | 20m [65.6'] | 30m [98.4'] |
| | B Lunghezza binario con Δv ≤ 5,5% (m) [ft] Track lenght with Δv ≤ 5,5% (m) [ft] | | | |
| | (m) [ft] | (m) [ft] | (m) [ft] | (m) [ft] |
| 60 | 50 [164'] | 50 [164'] | 50 [164'] | 50 [164'] |
| 100 | 50 [164'] | 50 [164'] | 40 [131'] | 25 [82'] |
| 150* | 50 [164'] | 40 [131'] | 20 [66'] | Not admitted |
| 200* | 40 [131'] | 30 [98'] | Not admitted | Not admitted |
| 250* | 35 [115'] | 20 [66'] | Not admitted | Not admitted |

* Not for UL

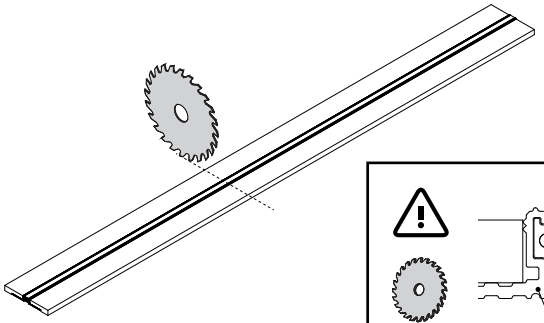


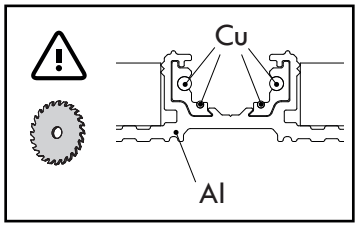



## 1

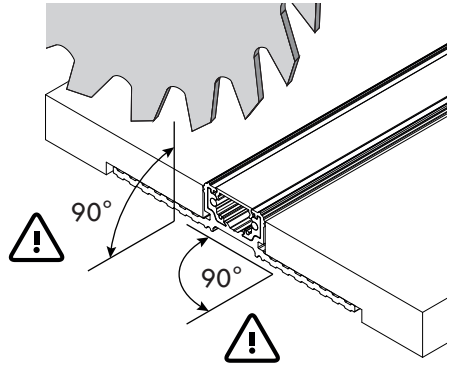


min
120mm





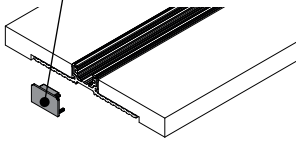

## 2

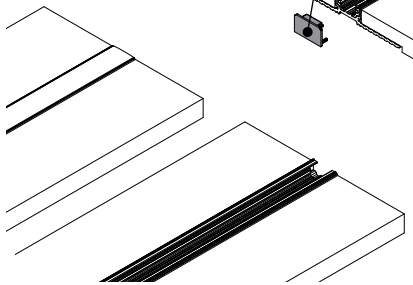



## 3

Per necessità di ISOLAMENTO ELETTRICO aggiungere una testata anche nel caso di taglio dei binari e montaggio in fila continua con alimentazioni diverse.
For need of ELECTRICAL INSULATION, add 1 end cap also when cutting and putting in continuity two pieces of track with different current input.

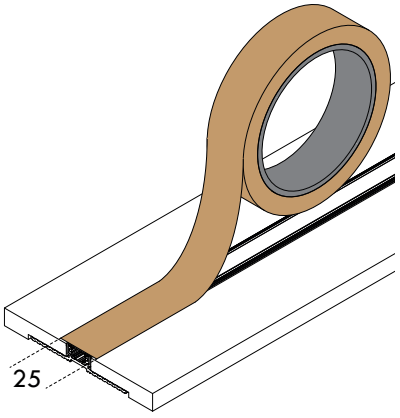
L-16 EVO





L-16 TRACK
con alimentazione
diversa
with different input

## 4

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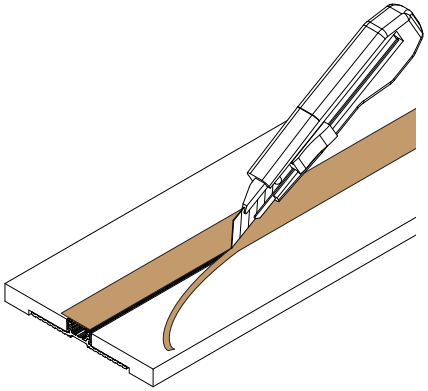

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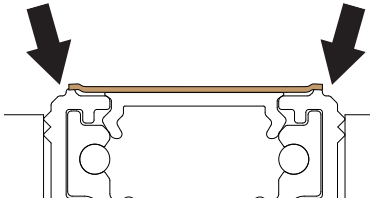

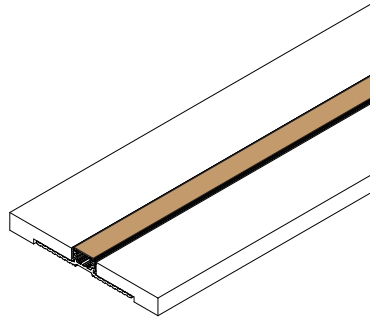

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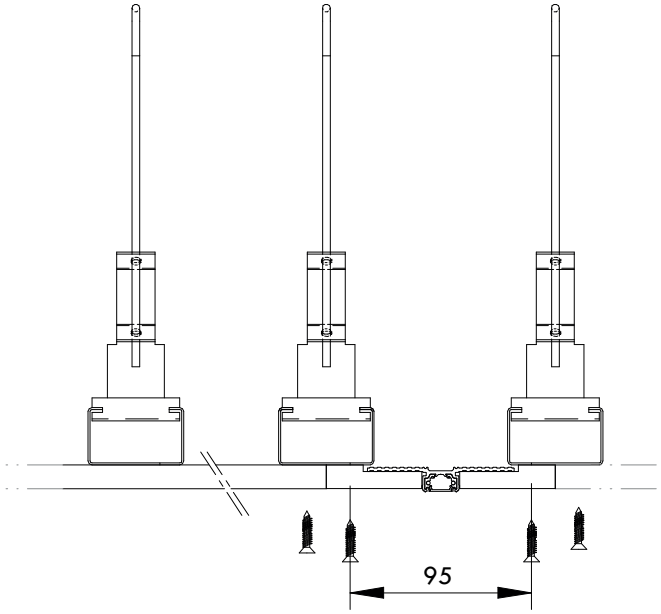


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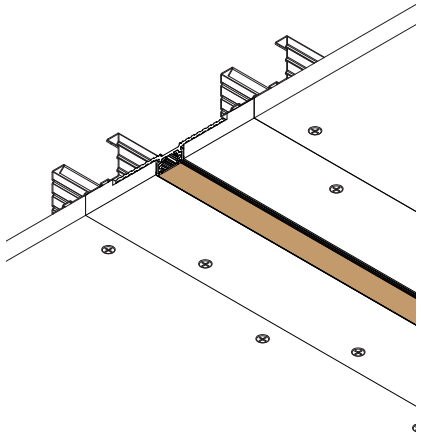

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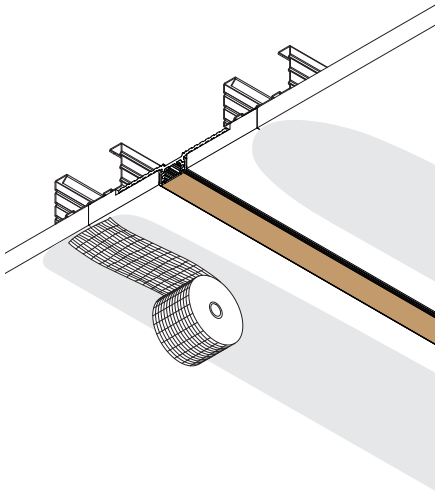

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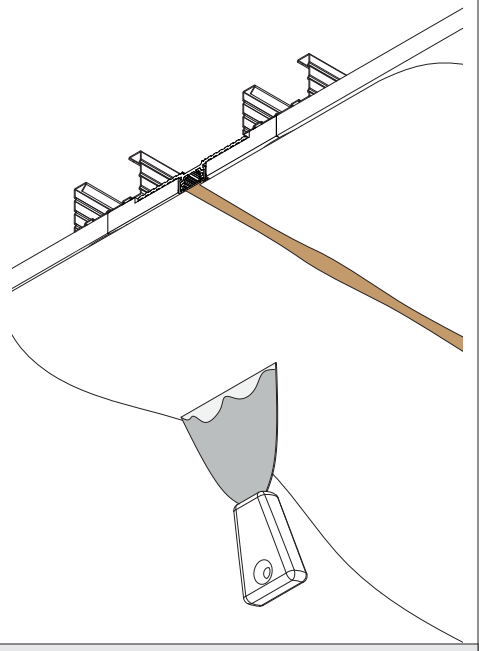

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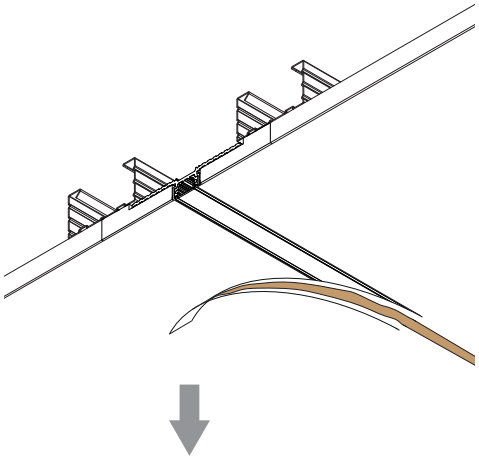

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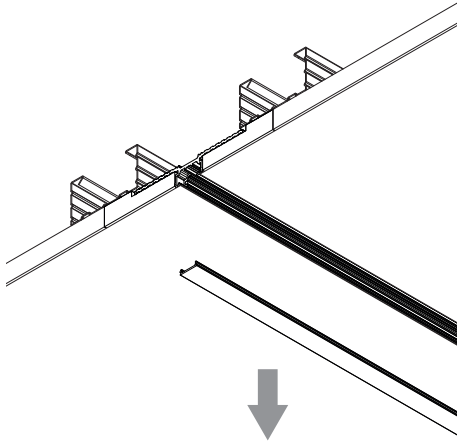
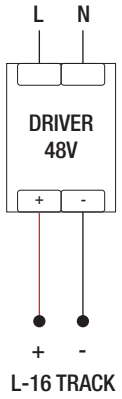


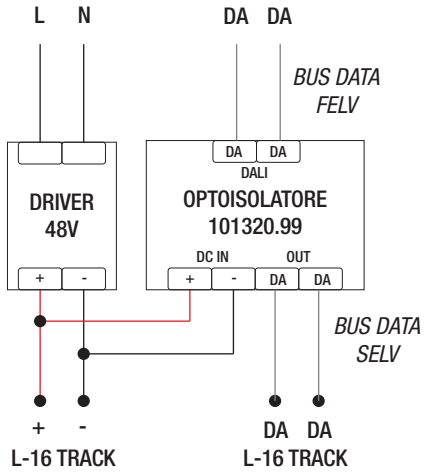
## 12

SCHEMI DI CABLAGGIO
WIRING DIAGRAMS

### GESTIONE ON-OFF
### ON-OFF CONTROL

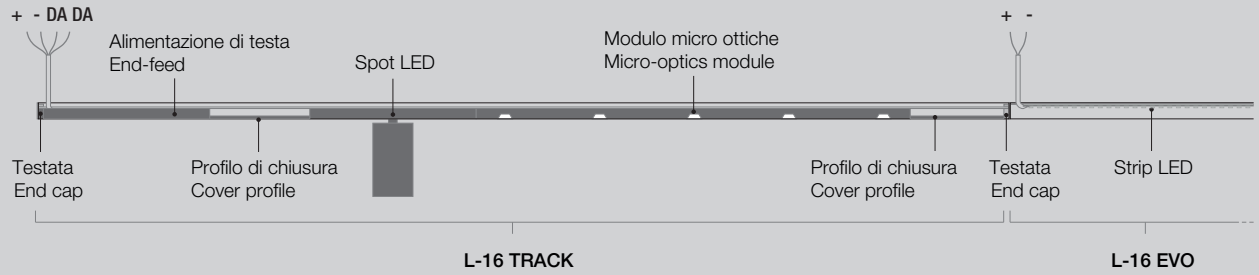


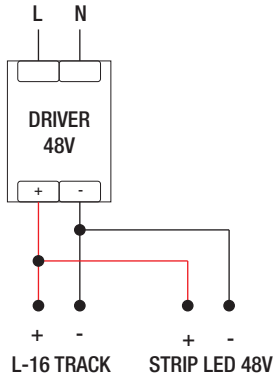
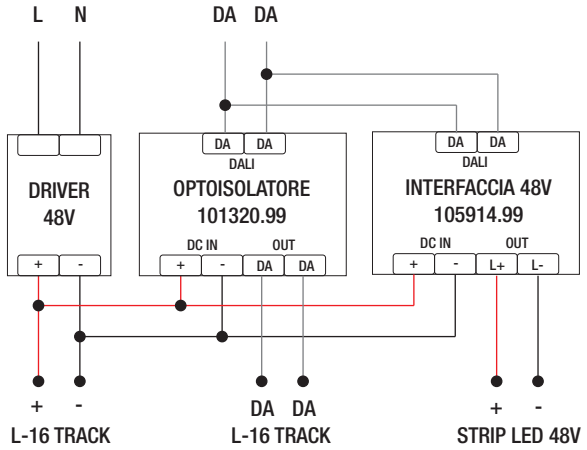
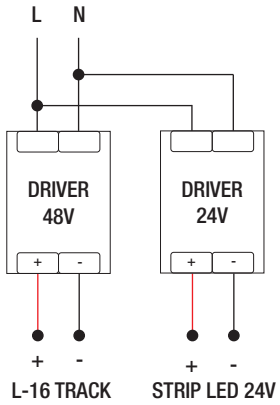
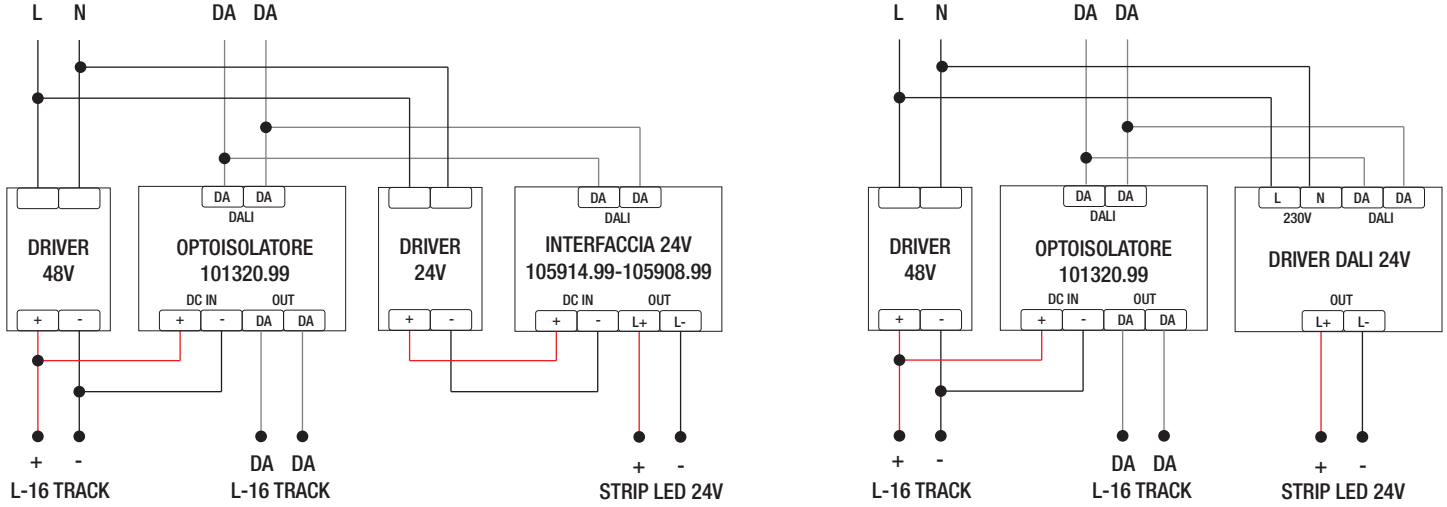

### GESTIONE DALI
### DALI CONTROL



SCHEMI DI CABLAGGIO L-16 TRACK + L-16 EVO CON STRIPLED WHITE 24Vdc O 48Vdc
L-16 TRACK + L-16 EVO WITH 24Vdc OR 48Vdc WHITE STRIPLED WIRING DIAGRAMS

ESEMPIO COMPOSIZIONE L-16 TRACK + L-16 EVO  L-16 TRACK + L-16 EVO COMPOSITION EXAMPLE




| | GESTIONE ON-OFF | GESTIONE DALI |
|---|---|---|
| L-16 TRACK + L-16 EVO STRIPLED 48Vdc |  |  |
| L-16 TRACK + L-16 EVO STRIPLED 24Vdc |  |  |

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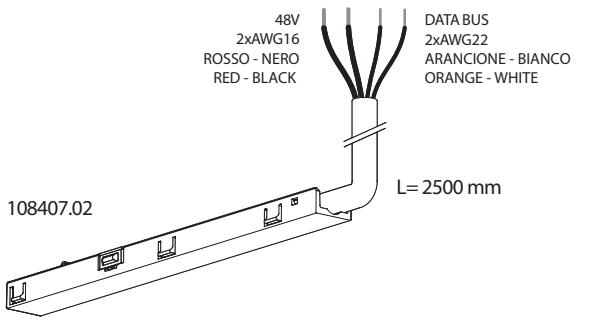


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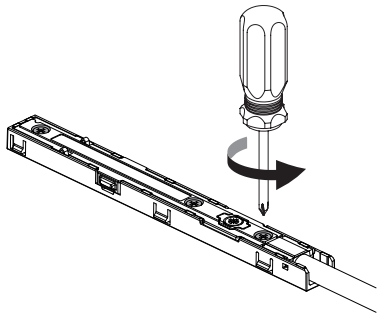

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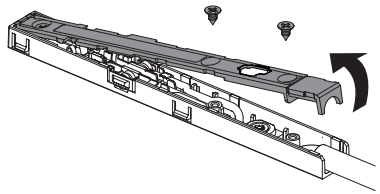

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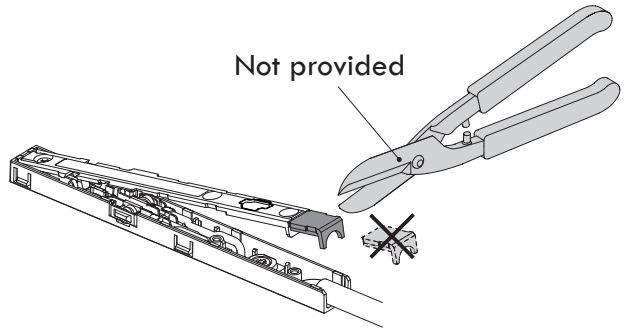


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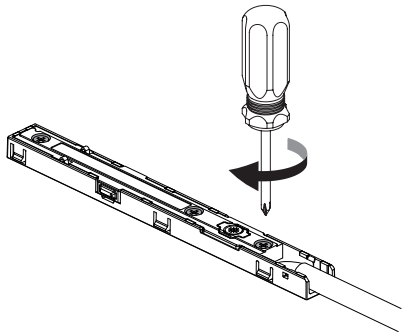

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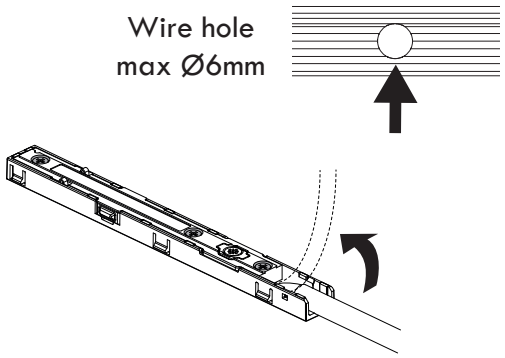


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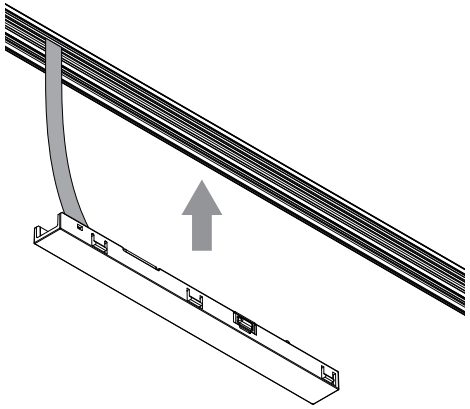

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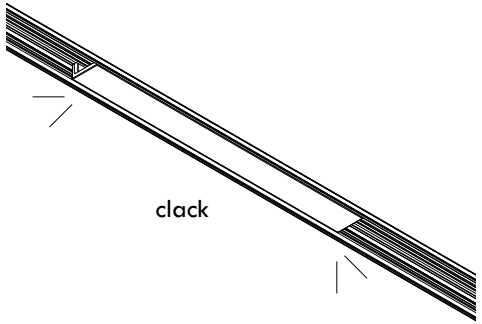


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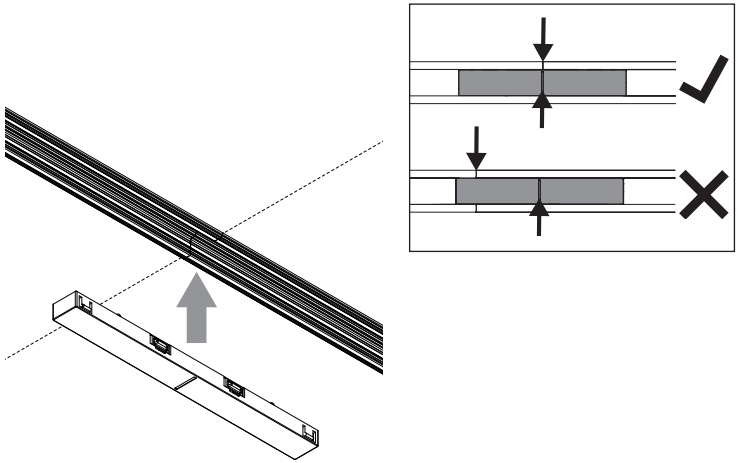

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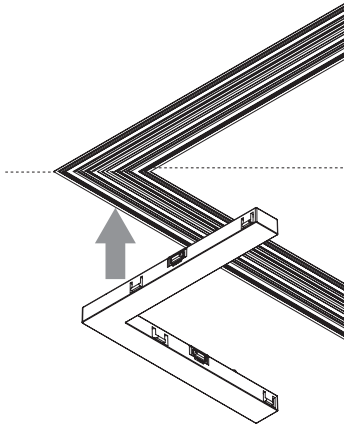

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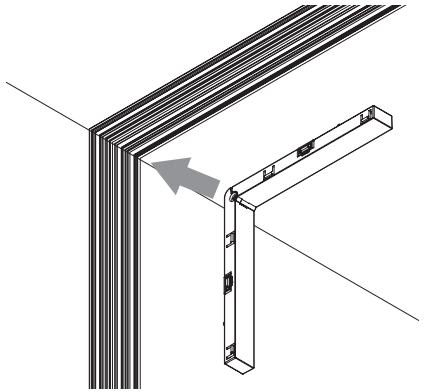

## 25