

LED Strip and Profiles

GLI-CC2835

INSTALLATION INSTRUCTIONS

WARNING

1. Read all instructions.
2. Install in accordance with national and local electrical code regulations.
3. This product is intended to be installed and serviced by a qualified, licensed electrician.
4. Turn off electrical power before installing or servicing fixture in any way.
5. To reduce the risk of fire and overheating, make sure all connections are tight.



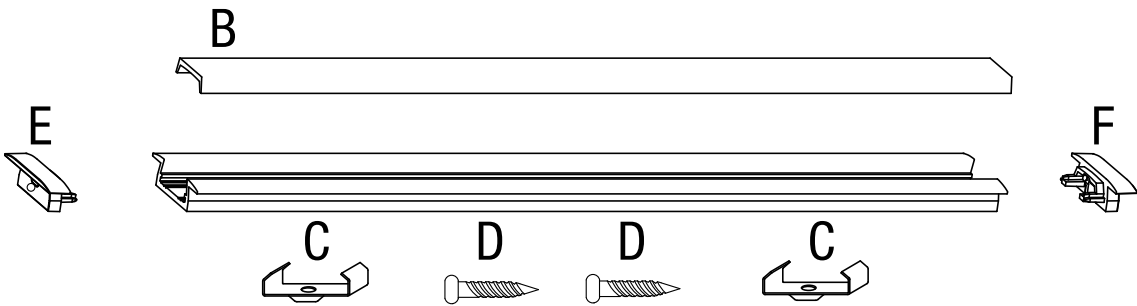
May result in serious injury or death.
Turn power OFF at circuit breaker prior to installation or servicing.

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CAUTION

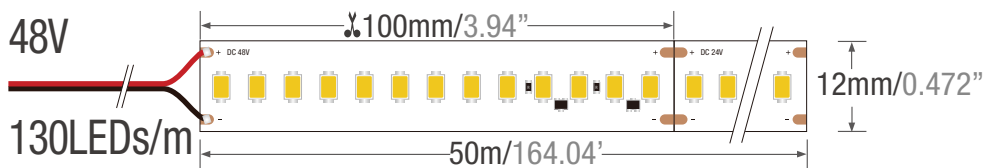
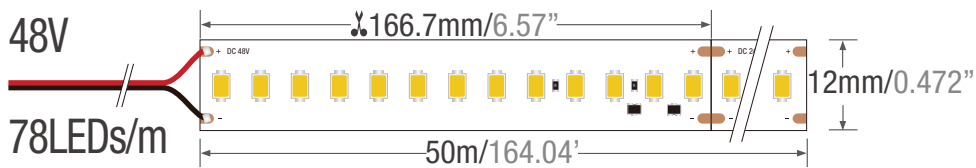
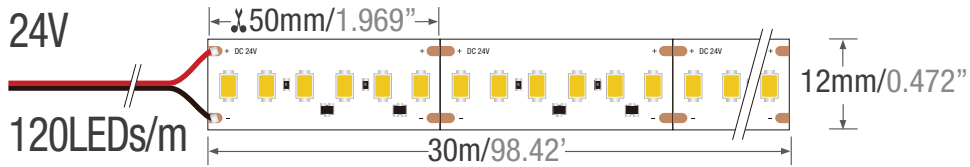
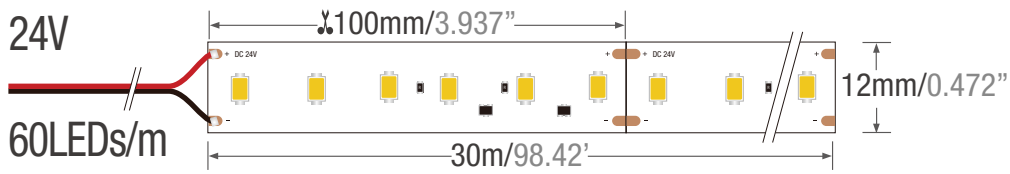
- Make precise cuts at the indicated locations on the strip.
- Refer to the “CUTTING DETAILS” page for detailed cutting length information for each strip.
- The maximum length of the strip is 30 meters for the 24V strip and 50 meters for the 48V strip.
- Ensure the driver wattage is appropriate for the strip’s power usage.
- The strip’s power usage should not exceed 80% of the rated wattage of the driver.
- To ensure optimal performance, avoid extending the wiring between the driver and strip. It’s recommended to directly connect the wires of the driver to those of the strip.
- In cases where extending the wiring becomes necessary, please refer to the “EXTENDING WIRING” page for detailed instructions and guidelines.
- If using an aluminum channel, plan the channel installation length based on the strip’s cutting points and the maximum length.
- For outdoor applications, seal the cut ends with neutral cure silicone.
- Avoid powering the LED ribbon while it is coiled on a reel.
- Avoid direct staring into the illuminated LED lights.
- Always check the polarity for connections, ensuring positive (+) to positive and negative (-) to negative.
- Do not install indoor versions in areas exposed to the elements.

COMPONENTS



ITEM	A	B	C	D	E	F	E	F
PICTURE								
NAME	Aluminum channel	PC Cover	Bracket	Screw	Cable end cap	End cap	Strip end cap	Strip bracket
QTY	1x	1x	2X	2X	1X	1X	1x	1/30cm

CUTTING DETAILS



EXTENDING WIRING

NOTE

- It is crucial to rigorously adhere to the recommended wire gauges table for the extension.
- Once the wiring has been extended, it's essential to measure the voltage at the strip. Adjust the driver's Vo ADJ. screw until the strip's voltage matches the specified voltage outlined in the strip's specifications (24V or 48V).
- Size the driver considering added wire load.

STRIP	STRIP LENGTH	DRIVER TO STRIP DISTANCE	WIRE AWG
24V Strip			
GLI-2835CC-60-24V	50ft	10ft	14AWG
GLI-2835CC-60-24V	50ft	50ft	14AWG
GLI-2835CC-60-24V	50ft	100ft	12AWG
GLI-2835CC-60-24V	100ft	10ft	14AWG
GLI-2835CC-60-24V	100ft	50ft	14AWG
GLI-2835CC-60-24V	100ft	100ft	10AWG
GLI-2835CC-120-24V	50ft	10ft	14AWG
GLI-2835CC-120-24V	50ft	50ft	12AWG
GLI-2835CC-120-24V	50ft	100ft	10AWG
GLI-2835CC-120-24V	100ft	10ft	14AWG
GLI-2835CC-120-24V	100ft	50ft	10AWG
GLI-2835CC-120-24V	100ft	100ft	8AWG
48V Strip			
GLI-2835CC-78-48V	50ft	10ft	14AWG
GLI-2835CC-78-48V	50ft	50ft	14AWG
GLI-2835CC-78-48V	50ft	100ft	14AWG
GLI-2835CC-78-48V	100ft	10ft	14AWG
GLI-2835CC-78-48V	100ft	50ft	14AWG
GLI-2835CC-78-48V	100ft	100ft	12AWG
GLI-2835CC-78-48V	164ft	100ft	10AWG
GLI-2835CC-130-48V	50ft	10ft	14AWG
GLI-2835CC-130-48V	50ft	50ft	14AWG
GLI-2835CC-130-48V	50ft	100ft	12AWG
GLI-2835CC-130-48V	100ft	10ft	14AWG
GLI-2835CC-130-48V	100ft	50ft	14AWG
GLI-2835CC-130-48V	100ft	100ft	10AWG
GLI-2835CC-130-48V	164ft	100ft	6AWG

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CHANNEL INSTALLATION

1. Install two support brackets (C) for every 1 meter of aluminum channel (A) (Fig. 1).
2. Position the brackets (C) approximately 25cm and 45cm along the channel.
- ! Use bracket anchors suitable for the mounting surface and the anticipated forces
3. Place the required number of support brackets for the aluminum channels.
4. Snap the aluminum channel(s) securely into the supporting brackets (Fig. 2).
5. Measure the desired length of the LED strip and, if necessary, cut it precisely at the indicated location (Fig. 4).
6. If the strip is cut, apply neutral cure silicone to the cap (E) and firmly push it onto the strip (Fig. 3).
7. Remove the adhesive backing from the LED strip and attach it firmly to the channel (Fig. 5).
8. Securely attach the PC-cover (B) to the channel by firmly pushing it into place (Fig. 6).
9. Thread the power feed cable through the end cap with a hole (E) and push the end cap onto the channel (Fig. 7).
10. At the end of the run, attach the end cap (F) to the channel (Fig. 7).
11. Connect the power feed tail to the strip connector.
12. Finally, connect the power feed tail to the LED driver.

Fig. 1

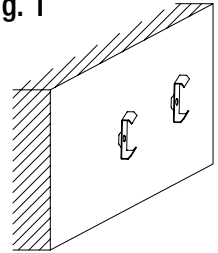


Fig. 2

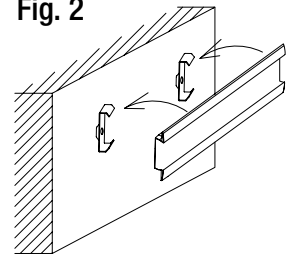


Fig. 3

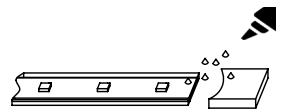


Fig. 4



Fig. 6

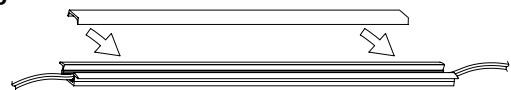


Fig. 5

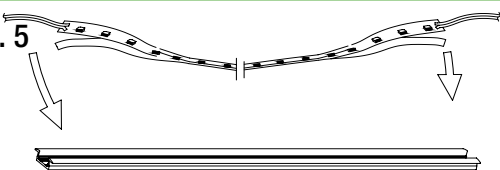


Fig. 7



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DIRECT INSTALLATION

1. Measure the required length of the LED strip and, if needed, cut it precisely at the indicated location (Fig. 1).
 2. If the strip was cut, apply neutral cure silicone to the cap (E) and firmly push it onto the strip (Fig. 2).
 3. Remove the adhesive backing from the LED strip and attach it to the mounting surface (Fig. 3).
- ! Ensure mounting surface is clean and free from debris
4. Install a supporting bracket (F) at the start and end of the strip and every 30cm along the length (Fig. 4).
- ! Use bracket anchors suitable for the mounting surface and the anticipated forces
5. Plug the power feed tail into the strip connector.
 6. Connect the power feed tail to the LED driver.

Step 1



Fig. 2

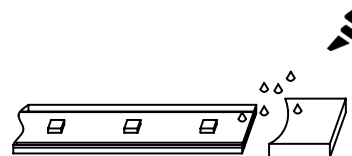


Fig. 3

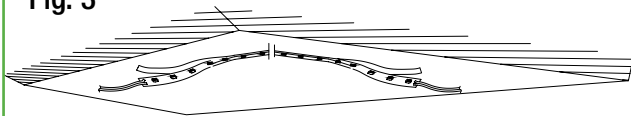


Fig. 4

