

LED Strip and Profiles

GLI-2835 2219RGB

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.



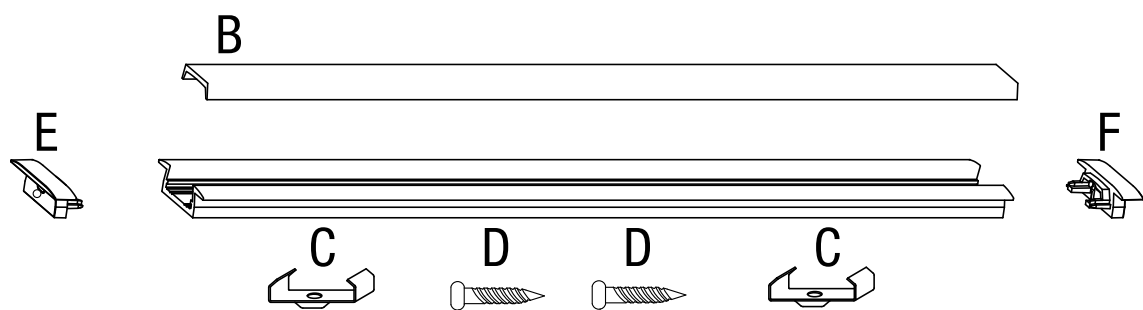
May result in serious injury or death.
Turn power OFF at circuit breaker prior to installation or servicing.

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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 5m(16.4ft).
- Strips are supplied with 150mm (5-29/32in) connection whips.
- Do not extend the wiring between the driver and the strip. If extension is unavoidable, ensure strict adherence to the DRIVER TO STRIP FEEDER WIRING tables and confirm that minimum voltage requirements at the strip are met to avoid excessive voltage drop.
- If using an aluminum channel, plan the channel installation length based on strip 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

ATTENTION: INSTALL IN ACCORDANCE WITH LOCAL AND NATIONAL BUILDING AND ELECTRIC CODES.

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CUTTING DETAILS



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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

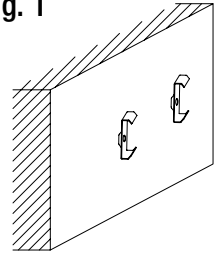


Fig. 2

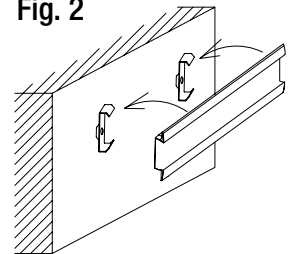


Fig. 3

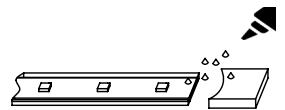


Fig. 4



Fig. 6

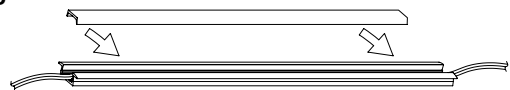


Fig. 5

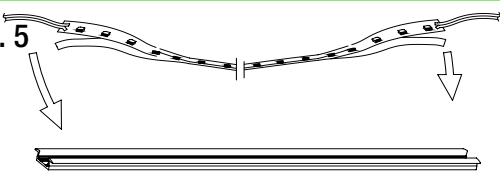


Fig. 7



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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.

Fig. 1



Fig. 2

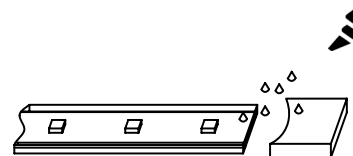


Fig. 3

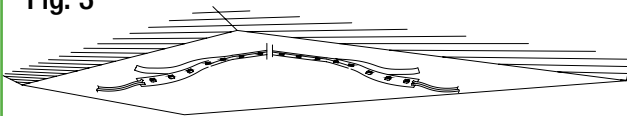
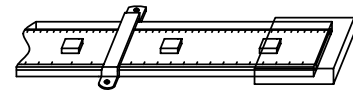


Fig. 4



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DRIVER TO STRIP FEEDER WIRING

STRIP			VOLTAGE		LOAD	FEEDER CABLE SPECS		
STRIP	LENGTH	WATTAGE	Strip Vmin	Driver Vout	AMPs	Cable AWG	Type	Len FTmax
GLI-2835_2219RGB	16.4ft	70W	24V	25.5V	2.92A	6	Stranded	523ft
						8	Solid	336ft
						8	Stranded	330ft
						10	Solid	212ft
						10	Stranded	207ft
						12	Solid	133ft
						12	Stranded	129ft
						14	Solid	83ft
						14	Stranded	81ft
						16	Solid	52ft
						16	Stranded	51ft
						18	Solid	33ft
						18	Stranded	32ft