



CONNECTION System for LINEARlight FLEX and TEC Flex IP00 Quick installation guide

Light is OSRAM

OSRAM

1 Installation

1.1 Precautionary measures

Before installing LINEARlight FLEX and TEC Flex LED strips, the following precautions should always be observed.

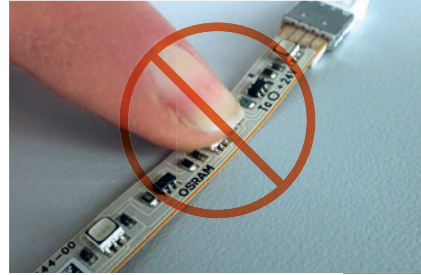
ESD

Be aware that the products can be damaged by electrostatic discharge (ESD). Earthing is a very effective measure to avoid the damaging effects of electrostatic discharge. Therefore, a personal earthing system (ESD field kit) should be used during mounting to prevent the build-up of static charge.



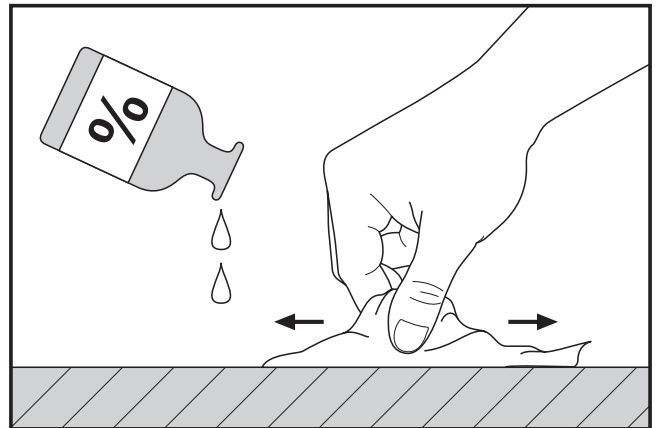
Mechanical forces

Keep the connector straight in order to avoid bending forces on the connection areas. Try to connect the connector as the last step of the installation. A strain relief is recommended. In addition, mechanical stress must not be applied to the module itself (e.g. no twisting or bending in excess of the allowed radius).

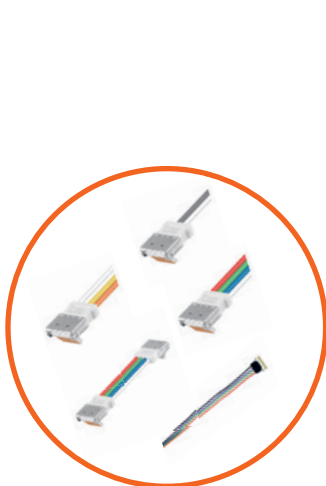


Cleaning







Depending on the surface, use a multi-purpose cleaner (e.g. isopropyl alcohol) to provide a clean and dry mounting surface which is free of oils, release coatings and dirt particles.









2 Products and tools



CONNECTION System

Type	Image	Product name	EAN10	Cable length [mm]
2pin		CONN-FLEX-2P-050 KIT 10PCS	4062172179591	500
		CONN-FLEX-2P-200 KIT 10PCS	4062172179614	2000
3pin		CONN-FLEX-3P-050 KIT 10PCS	4062172179690	500
		CONN-FLEX-3P-200 KIT 10PCS	4062172179720	2000
4pin		CONN-FLEX-4P-050 KIT 10PCS	4062172179744	500
		CONN-FLEX-4P-200 KIT 10PCS	4062172179768	2000
		CORNER-FLEX-4P-003 KIT 10PCS	4062172179638	30
		CORNER-FLEX-4P-015 KIT 10PCS	4062172179676	150
		FX-SC08-G2-CT4PJ	4052899464858	-
		LF-4PIN FLEX	4008321514585	500

Combination options between LED strips and connection accessories

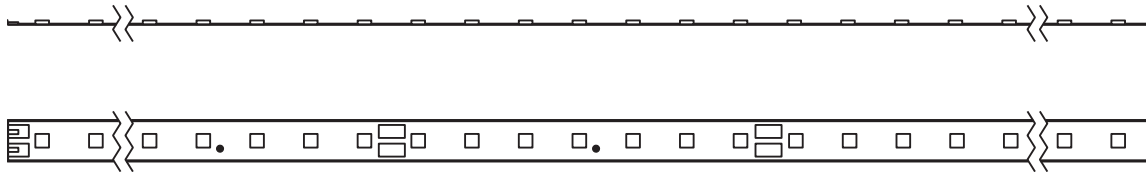
Product name	Image	LF Power & Shop White (LF1200/2000/3000/4000-G3; LF1200/2000/3000-G3-SW)	LF Uniformity (LF800/1200/2000S-G5)	LF Low Power (LF500)	LF Shortpitch (LF800S-G4)	TEC Flex (TF300/1000/2000; TF600/1000/1500/2000S)	LF TW (LF1200/2000/3000/4000TW; LF1100/3400TW)	TEC Flex TW (TF2000TW)	LF Colormix (LF05CA2)	LF Colormix (LF200C)	TEC Flex RGB (TF400RGB)
CONN-FLEX-2P		■	■	■	■	■					
CONN-FLEX-3P							■	■			
CONN-FLEX-4P		■	■	■	■	■	■	■	■		■
FX-SC08-G2-CT4PJ		■	■	■	■	■	■	■	■		■
LF-4PIN FLEX										■	
CORNER-FLEX-4P		■	■	■	■	■	■	■	■		■

3 Assembly

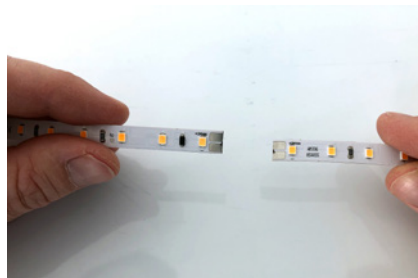
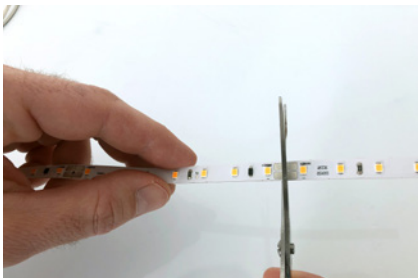
Cutting

Please ensure that the LED modules are cut properly at an angle of 90° before attaching them to the connector.

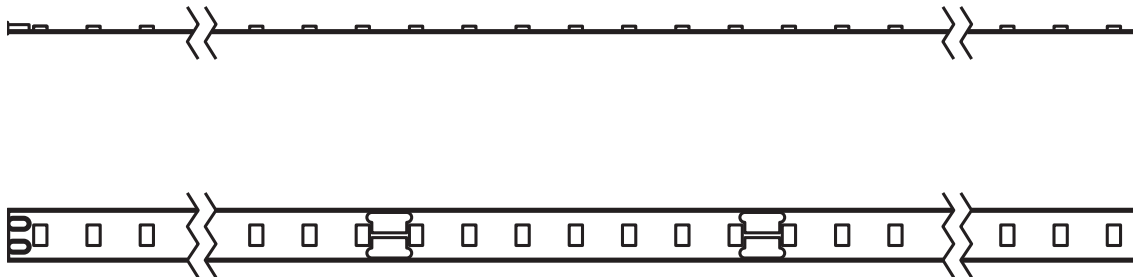
70 LED/m



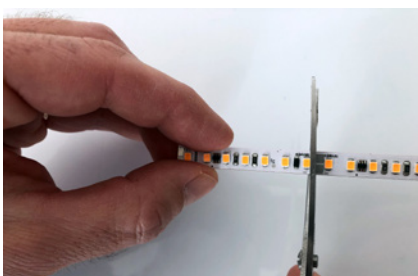
For additional details, please refer to the specific product user instructions



140 LED/m

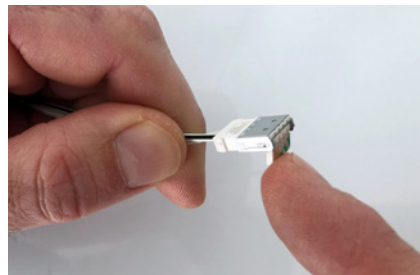


For additional details, please refer to the specific product user instructions



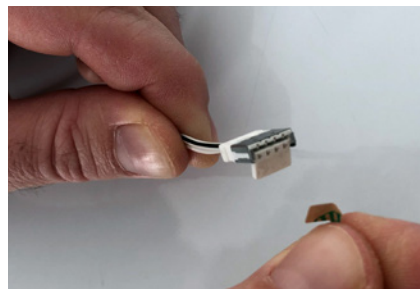
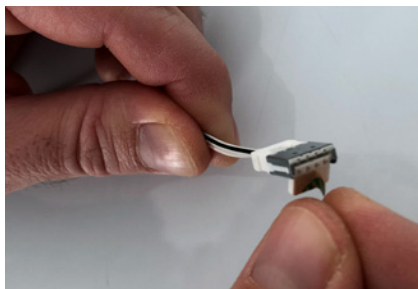
Step 1

Without using too much force, carefully open the small flap on the connector at the end of the cable.



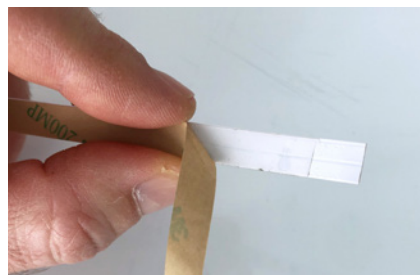
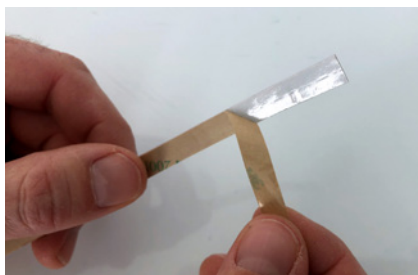
Step 2

Peel off the release liner from the adhesive tape on the inside of the flap.

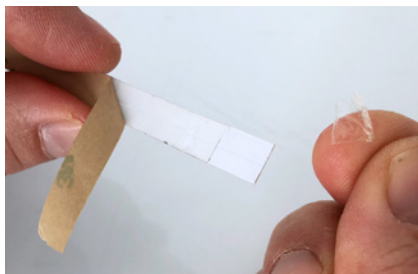


Step 3

Peel off the release liner from the adhesive tape on the back of the LINEARlight FLEX or TEC Flex LED strip.

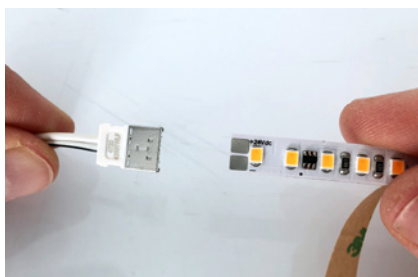


Only for the TEC Flex products, remove 8mm of the adhesive tape.



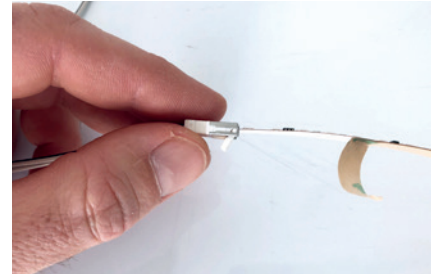
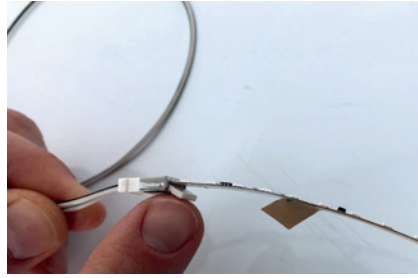
Step 4

Make sure that the connector is in the right position and not upside down. Control the polarity of the LED strip with the colors of the cables (see table on the next page). Then carefully slide the LED strip into the connector.



Step 5

Close the flap of the connector so that it sticks to the back of the LED strip.

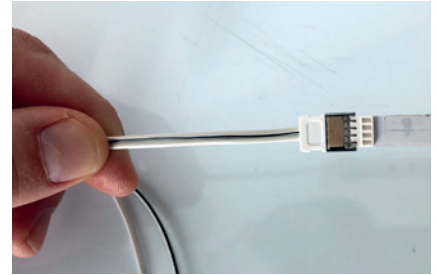
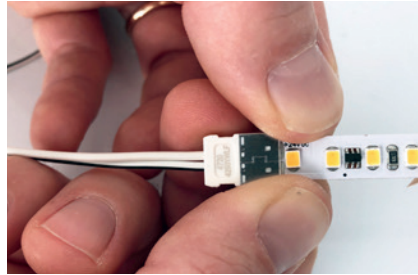


Step 6

Apply a small amount of pressure on the connector in order to ensure a reliable fixation on the back of the LED strip.

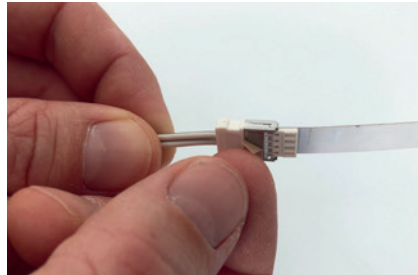
Attention:

Do not apply any pressure on the LEDs and electrical components.



Step 7

Peel off the entire release liner from both the adhesive tape of the LED strip and the connector. Attach the back of the LED strip and of the connector to the surface of the metal track.



Attention:

When connecting the LED strips to the connectors, make sure to observe the correct order and polarity of the wires. The colors of the wire covers will help you make the right decision:

2pin connectors

- Connect the **grey** wire to “-24 V”
- Connect the **white** wire to “+24 V”



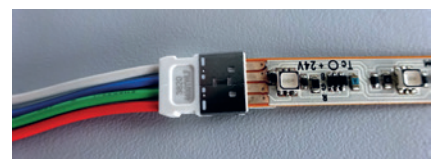
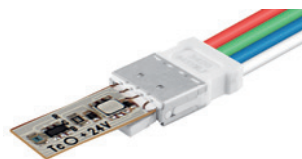
3pin connectors

- Connect the **orange** wire to “-CW”
- Connect the **yellow** wire to “-WW”
- Connect the **white** wire to “+24 V”



4pin connectors

- Connect the **red** wire to “R”
- Connect the **green** wire to “G”
- Connect the **blue** wire to “B”
- Connect the **white** wire to “+24 V”



Need more support? As a registered customer,
you can contact our experts by e-mail

support-ds@osram.com



Not a registered customer?
Please use our contact form

<https://www.osram.com/apps/cbcontact/contacts/add>



OSRAM GmbH

Headquarters Germany:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

OSRAM