

VARDA-Flex / VARDA-Flex-IP68

The VARDA-Flex LED board is only suitable for installation in dry indoor rooms.

The VARDA-Flex-IP68 LED board is only suitable for installation out of doors and in wet rooms.



Risk of electric shock!

Be sure to have a professional electrician complete installation. There is no warranty coverage for any lights installed without observing European safety directives.



Caution!

Only connect the LED board to a suitable power supply. Only operate when completely unrolled. Connect LED boards in parallel.

Delivery includes

VARDA-Flex/VARDA-Flex-IP68

- 1 x 5 metre LED board
- 5 x feeder connectors

VARDA-Flex-IP68

- 1 x silicon gel
- 2 x silicon end caps
- 2 x silicon caps for supply connectors
- 10 x fixing brackets

Technical data

Power supply	12 V power supply with constant output voltage.
Power	24 W, single-colour 36 W, RGB
Current strength	2 A, single-colour 3 A, RGB
Radiation angle	120°
Length	Maximum 10 metres per connection.
Dimensions	5000 x 8 mm, single-colour, 5000 x 10 mm, RGB
Bending radius	20 mm



Suitable for furniture mounting.



Safety class 3 - low voltage protection



Mounting on normally flammable surfaces, e.g. on wood and particle board materials with a thickness of more than 2 mm.



Suitable for indoor use only (VARDAFlex).



Compliant with the applicable European CE directives.

Deliverable accessories

Article number	Article
88568	Fixing bracket
88538	Single straight connector
88539	RGB straight connector
88671 – 88672	Silicone hose for straight connector
88480, 88495, 88499	RGB controller - CT308RF
88470 – 88471	Power supply units, 12 Volt constant
88460 – 88463	IP66 power supply units, 12 Volt constant

Installation



Risk of electric shock!

Switch off voltage prior to installation. Ensure that voltage cannot be accidentally switched on again.



First connect the RGB LED board to an RGB controller and then to the power supply (not included in the scope of delivery).



Mounting – VARDA-Flex

Caution!

On conducting surfaces, place an insulation layer between the LED board and surface. Surfaces must be flat, free of dust and grease and dry.

1. Prepare surface.

2. Shorten LED board if necessary (Fig. 2).
3. Peel off adhesive film and gently press on LED board, do not press directly on the LEDs.
4. Connect LED board to power supply.

Mounting – VARDA-Flex-IP68

1. Shorten LED board if necessary (Fig. 3).
2. Attach LED board with fixing brackets (recommended spacing: every 15 – 20 cm).

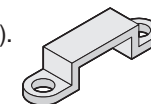


Figure 1

Shortening the LED board



Risk of electric shock!

Always disconnect the mains plug before shortening. LED boards can be disconnected in each case after three LEDs (Fig. 2).

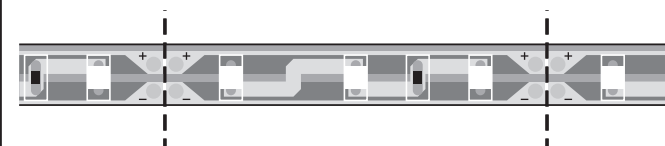


Figure 2

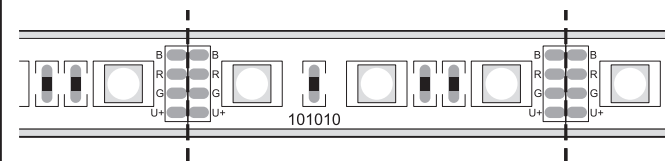


Figure 3

1. Cut through the LED board at the marked position (Fig. 2 single-colour, Fig. 3 RGB).

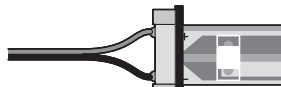
Connecting LED boards

Connecting LED boards

To connect two LED boards together, use a straight connector (not included in the scope of delivery).

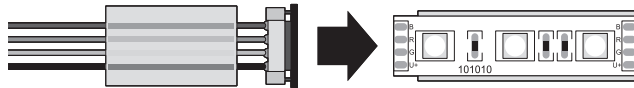
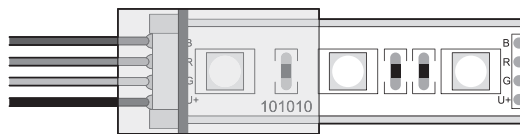
With feeder connector:

To connect an LED board to a power supply, use a feeder connector.

VARDA-Flex**Figure 4****Figure 5**

The figures show a single-colour LED board. The following steps are identical for RGB LED boards.

1. Remove adhesive strips at the connection position.
2. Pull the fastener off the feeder connector (Fig. 4).
3. Connect the feeder connector to the end of the LED board (observe polarity) and close the fastener (Fig. 5).
4. Secure the supply connector to the LED board (e.g. with insulation tape).

VARDA-Flex-IP68**Figure 6****Figure 7**

The figures show an RGB-LED board. The following steps are identical for single-colour LED boards.

1. Insert feeder connector into the silicon cap (Fig. 6).
2. Open the fastener of the feeder connector (Fig. 6).
3. Connect the feeder connector to the end of the LED board (observe polarity) and close the fastener.
4. Secure the feeder connector to the LED board (e.g. with insulation tape).
5. Push silicon cap over the connection position (Fig. 7).
6. Seal the connection position so it is watertight with the enclosed silicon gel.

With soldered connections:**Caution!**

With soldered connections note that the soldering temperature is 260 °C and the soldering duration a maximum of 10 seconds.

**Disposal**

Dispose of electrical and electronic equipment in an environmentally friendly manner. Please contact your local council for further information.

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