



LED-LIGHTING
TWLED-4PD2 (LED-KIT)
for 4 post double parking lifts

TWLED-4PD2

INSTALLATION, OPERATION AND MAINTENANCE MANUAL



Always read these operating instructions carefully before putting the LED KIT into operation. Follow the instructions carefully.

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1. General information

The Twin Busch LED lighting **TWLED-4PD2** has been specially developed for our TW436PD2-G 4-post car park lift. A set consists of 4 flexible and magnetic LED light strips / LED strips, a transformer, power and connection cables, a remote control and the necessary mounting and installation material. The LED strips are equipped with four RGBW diodes (red, green, blue, white), allowing a variety of colour mixing and white light to be set. These LED lights provide a pleasant light in any colour and brightness.

Four LED strips are attached to the upper or optionally lower level using a magnetic backing - no drilling or screws required. The LED lights can be connected externally to a power source, but can also be connected directly in the switch box to 230 V/AC (to be carried out by a qualified electrician). It goes without saying that they are impact-resistant thanks to their flexible design and waterproof to IP67. The RGBW LED strips feature an additional LED chip that emits white light. RGBW therefore offers even more flexibility in terms of the colour spectrum offered and the associated lighting effects. In addition, you are not exposed to glare due to the diffuse scattering from the flexible cover material. The light intensity can also be adjusted to suit the circumstances using the dimming function.

Assembly and installation is carried out via plug and play connections, the cable length and plugs have been specially developed for our 4-post double parking lifts. Suitable for the following models, can also be retrofitted at any time: TW436PD2 and TW436PD2-G.

Mounting is child's play as the LED strips, the transformer and the remote control are fitted with magnets.

The transformer can be positioned behind the motor bracket in a visually appealing way.

A second TWLED-4PD2 set is required to illuminate both levels.

2. Identification of the instructions for use

Instructions for use **TW LED -4PD2**

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3. Technical data

IP class	IP67
Power supply	230 V
Energy consumption	229 W
Average service life*	ca. 50.000 h
Ambient temperature	-10° C bis +45° C
Width x height	15 x 9 mm

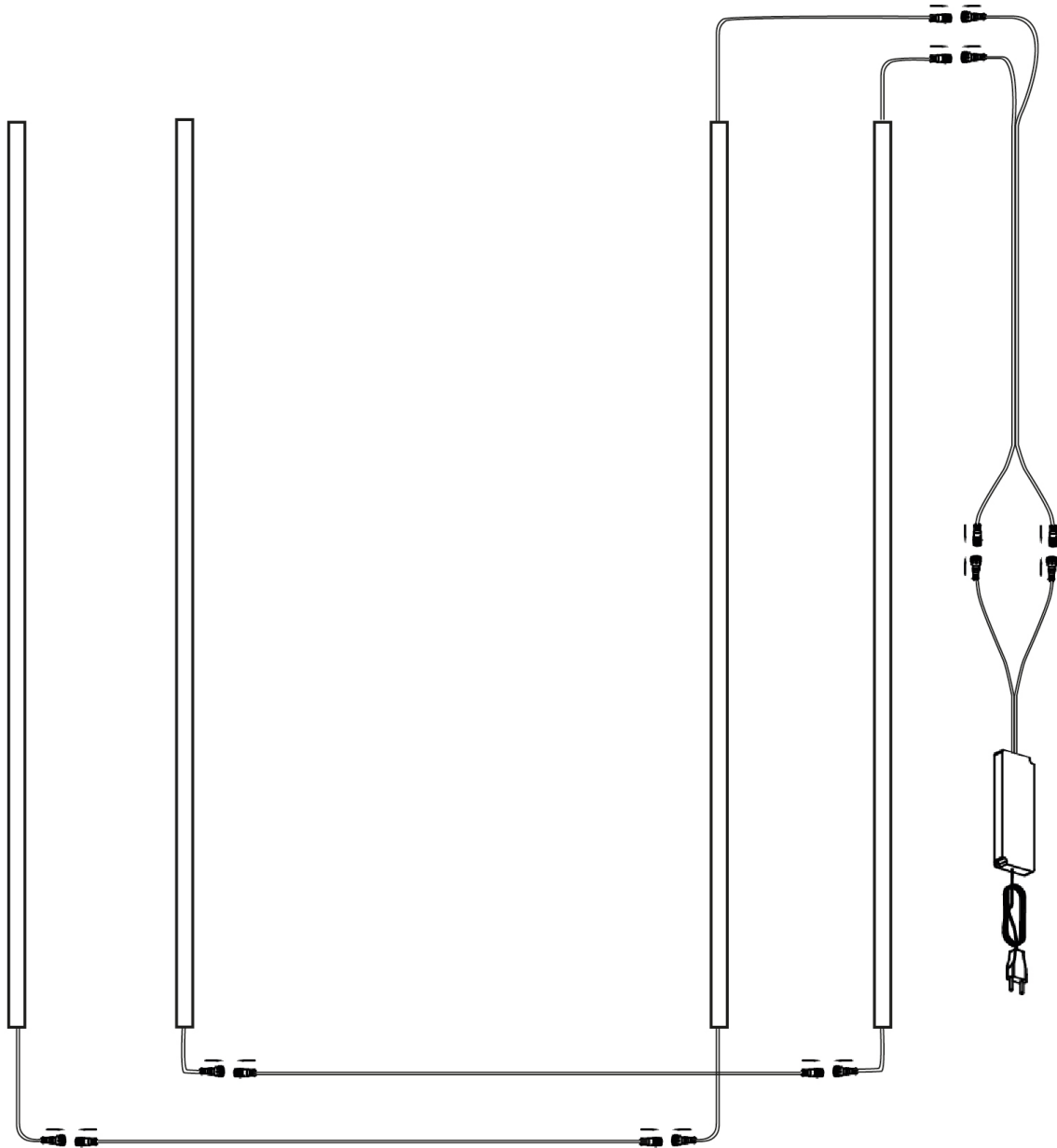
*When installed correctly with product-compliant thermal management.

4. Photometric data

LED type	RGBW
Luminous flux	red 100 lumens per m green 280 lumens per m blue 60 lumens per m white 790 lumens per m R+G+B+W 1230 lumens per metre
Wavelength	red 620 nm green 525 nm blue 470 nm
Colour temperature	white 6000 K
Beam angle	180°

5. Scope of delivery

- 4x RGBW LED strip lights, 400 cm
- 1x transformer
- 1x cable set with connectors
- 1x remote control, magnetic mounting
- 1x fixing material for cable laying



6. Installation

Inspect the outer packaging for external damage or signs of improper handling during transport. Open the packaging carefully and check the contents for completeness. Ensure that all components listed in the scope of delivery are present (see **Scope of delivery**).

IMPORTANT!

Only connect the LED strip lights, the controller and the power supply unit when the device is switched off. The device may only be switched on when all accessories are fully connected.

1. Positioning the LED strip lights

- Place the magnetic light strips under the carriageways. Install the light strips with one connection cable on the left-hand side. The other two with two connection cables on the right-hand side. These are then connected crosswise to the connection cable and routed to the front of the controller.

Note: You can also mount the light strips on the tracks.

2. Mounting the LED strip lights

- Start with the light strips with only one connection cable. Roll them out on the floor and mount them on the outer carriageway. Thanks to its magnetic back, it adheres without gluing or drilling.
- Bend the end of the light strip slightly to relieve the tension caused by transport.
- Mount the next light strip on the second track in the same way.
- Now open the packaging containing the light strips with the two connection cables. Start with the extension cable and unroll it. Fit the light strip to the second lane. The extension cable is attached to the side of the vehicle roll-off protection.
- The second associated light strip is also mounted on the outside of the carriageway.

3. Installing the light strips

- First guide the end of the outer light strip upwards into the carriageway and secure it with a cable tie.
- The light strips are connected crosswise in the centre.
Note: Ensure that the plugs and sockets are in the correct position.
- Now connect the outer light strip to the cable and run the cable to the second carriageway.
- Clean the bonding points with the cleaning cloth so that the adhesive pads can be properly attached to the lifting platform.
- Stick an adhesive pad in the centre of the track and secure the cable with a cable tie.
Note: When laying the cables, make sure that the cables do not touch the steel cables of the lift and that the cables are not crushed when the lift is lowered.
- Stick another adhesive pad between the left and right lanes.
- Then lay the cables crosswise, fix the two connecting cables with a cable tie and then connect the connecting cable of the first lane.
- Now also connect the second connection cable. Again, secure the cable with an adhesive pad and a cable tie.
- Stow all excess cables under the side of the carriageway.

4. Installing the light strips on the front

- Lay the permanently connected connecting cable and fix it to the control box using an adhesive pad and cable ties towards the pillar.

5. Mounting the controller and transformer

- First connect the connecting cable to the already installed light strips. To do this, feed the connecting cable through the opening in the track.
- Then connect the plugs of the light strips to the connecting cable.
- Magnetically attach the controller and transformer to the column and connect them with the connecting cables.

6. Installation

- Connect the TWLED-4PD2 to a standard 230 V socket or directly in the switch box of the lift. Refer to the wiring diagram of the lift for the exact information.

7. Controlling the remote control

7.1 Connection of remote control and controller

1. Connection of the LED strip lights

- Connect the LED strip lights, the controller and the power supply unit. This should be done with the power switched off to ensure safe installation.

2. Switch on the device

- Only switch on the appliance after all accessories have been fully connected.

3. Pairing success

- Within 5 seconds of switching on the device, press and hold these two buttons simultaneously.



4. Pairing success

- If the LED bar flashes white, this indicates that pairing has been successfully completed.

7.2 Operating the light colour

The upper buttons are used to control the RGB lighting, in which white light (W) is generated by mixing red (R), green (G) and blue (B).

The buttons on the white background in the centre area are intended for controlling the 6000 K white light.

You can use the buttons at the bottom to set the mode for the light change.



Notes on simultaneous use:

After switching on the RGB light, you can also activate the 6000 K white light.

Please note, however, that as soon as the 6000 K white light is switched on, it is no longer possible to control the RGB colour.

If you want to change the RGB colour, first switch off the 6000 K white light and then carry out the desired RGB colour change.



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The technical specifications and illustrations provided in the user manual are not binding. Our products are subject to technical changes, so the delivered condition may vary.