Manual SLC Expander

Content

Product description

The SLC Expander allows the parallel connection of two LEDs to a Light Driver 5.0 SLC.

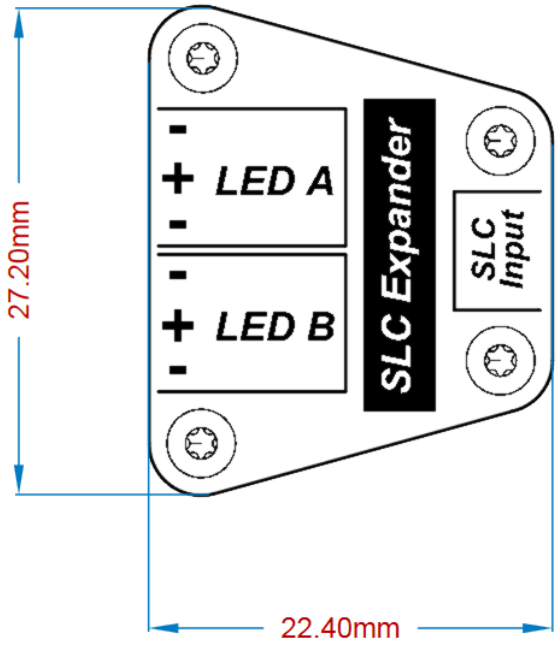
Thereby extending the lighting system by one port simply and at low cost.
This is ideal, for example, for combining two landing lights or two ACLs with the same colour and blinking pattern.

The MLT functions and temperature monitoring, as with every Light Driver 5.0 standard SLC, are not available on the SLC Expander.

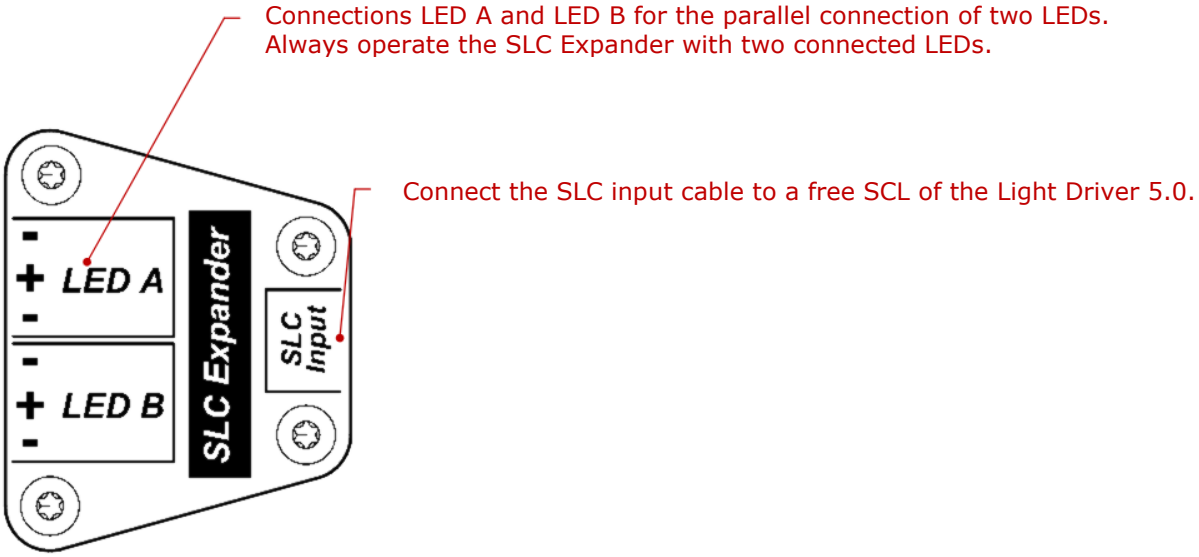
Specifications

SLC Power Rating:	Up to 2W continuous power -> up to 1W per parallel port (LED A / LED B)
Number of SLC ports:	1x In 2x Out (parallel)
Compatible LED:	Power LED with I_F > 70mA and 2.4V < U_F < 3.4V All innoflyer aircraft LED lights.
Weight:	10g
Special functions:	The SLC Expander allows the operation of two LEDs on one SLC (parallel). The SLC Expander is automatically recognized by the Light Driver 5.0. The appropriate current is automatically selected for all innoflyer aircraft LED lights.

Measurements



Layout and connection assignment



Important information:

- Only operate with two connected LEDs.
- Only connect **LEDs with identical colour** (in parallel). Ideally,they are exactly the same LED type.
- Do not use series resistors.
- innoflyer aircraft LED lights are protected against polarity reversal and cannot be connected to the SLC Expander incorrectly.
- The SLC Expander is protected against polarity reversal and cannot be connected incorrectly to the Light Driver 5.0.
- The cable length from LED to the SLC Expander may be up to 4m. **Always use twisted cables** (see accessories).
- The current set in the Light Driver 5.0 is split by the SLC Expander between ports LED A and LED B.
  Example: Light Driver 5.0 set current = 560mA, current in ports LED A and LED B = 560mA / 2 = 280mA.
- The MLT function and temperature monitoring of the Light Driver 5.0 are not available for the LEDs connected to LED A and LED B.

Start-up

Connect the two LEDs to ports LED A and LED B.
Make sure that the LEDs always have the same colour. Ideally, they are the same type of LED.

The SLC Expander is connected to a free SLC of the Light Driver 5.0. The Light Driver 5.0 automatically detects the SLC Expander and sets an optimum current for all innoflyer aircraft LED lights.

When using third-party LEDs, the desired LED current must be set manually by deactivating Plug & Play on the corresponding SLC of the Light Driver 5.0 (see Manual Light Driver 5.0 S.10). Please note that the adjusted current in the Light Driver 5.0 is always halved by the parallel circuit on the SLC Expander for LED A and LED B.

Example: Light Driver 5.0 set current = 560mA, effective current for the ports LED A and LED B = 560mA / 2 = 280mA.

Recycling

Electrical components shall not be thrown away with domestic waste; they must be disposed of in an appropriate and environmentally safe manner!
Please comply with national and regional waste disposal regulations. Electronic waste shall be sorted in keeping with the provided disposal systems.

Warranty

The warranty in accordance with the following provisions is 2 years, unless expressly agreed otherwise in writing.

The warranty period starts from the date of delivery. In case of failure to comply with our operating or maintenance instructions, alterations, the replacement of parts or the use of consumables that do not comply with the original specifications, the warranty will not apply as long as the defect can be traced back to this. This also applies if the defect can be traced back to improper use, storage and manipulation of the devices, third-party intervention or a fall. Minor deviations from the guaranteed characteristics of the goods do not trigger warranty rights.

Liability for normal use and parts subject to wear and tear is excluded.

In case of a defect of the purchased item for which raible eflugtechnik is responsible, raible eflugtechnik will be entitled to subsequent fulfillment (corrective action and replacement delivery). Should raible eflugtechnik be unable to rectify the defect within a suitable period, the contracting party will have recourse to the legal institutions of the Swiss Code of Obligations.

We are liable for our own faults and those of our legal representatives and employees only as far as the fault is intentional or due to gross negligence. This does not apply to lack of assured properties.

In case of commercial use of raible eflugtechnik products and services, in keeping with the Product Liability Act, no liability is accepted.

innoflyer by raible eflugtechnik

weissensteinstrasse 81

CH-4500 solothurn

Switzerland

Phone: 0041 32 623 19 68

info@innoflyer.ch

www.innoflyer.ch