

## SCHURTER LUMINOS (Lum) your illuminated input system

Luminos, the multi-colour illuminated keypad system can provide significant advantages for your applications. Keys, frames, symbols, information fields, text or your logo are illuminated precisely and evenly. We design the different colours and shapes according to your individual requirements.



### 1 Multi-colour illuminated keys

Key surfaces or frames, symbols and text are illuminated precisely and evenly. When reaching defined values, for example filling levels, volume or brightness, this can be indicated by a colour change in the illumination of the keys.

### 2 Multi-colour illuminated led indicators

Led indicators in your desired colours and shapes can visualize the status of the device function with the well-known colour signals. You find all the technical led specifications on the Luminos flyer.

### 3 Multi-colour illuminated informations

Information or warning text as well as your Logo can be indicated in any colour. The daylight design with white leds and the night design, mostly with blue leds, can be customized according to your requirements.

### 4 Led arrangements

2 RGB leds and 2 single colour leds, or any other combination up to 4 leds per switch.

### 5 Housing and assembly

For the integration of your product into a full assembly, SCHURTER is the partner to support you for housings in aluminium or plastic injection and any kind of front panels with the mechanical integration to your device.

### 6 Electronics

Customer electronics integration is possible on the same PCB as the led driver, decoder with controller (assembly on the backside).

### Markets

- Medical
- Laboratory
- Machine control
- Railway
- Security
- Space & Avionics

### Benefits

- "Dimension light" in the design
- Homogeneous illumination
- Customer electronics integration
- Cost effective compared to EAO and Rafi switches with illumination
- Complete system with HW and SW out from one hand

### Key specifications

- Integration of double contact security
- circuit (DualTip function)
- I2C, SPI, CAN, RS232, digital I/O
- 20mV up to 42V operating voltage
- Temperature range -40°C +85°C
- Operating force 3N