



MultiLights

16-channel lighting system for optimised illumination for specific features

Stable and reproducible illumination scenes are an important prerequisite for industrial image processing.

In applications such as object recognition, detection of surface defects and detection of PCB faults, the lighting directions are very relevant.

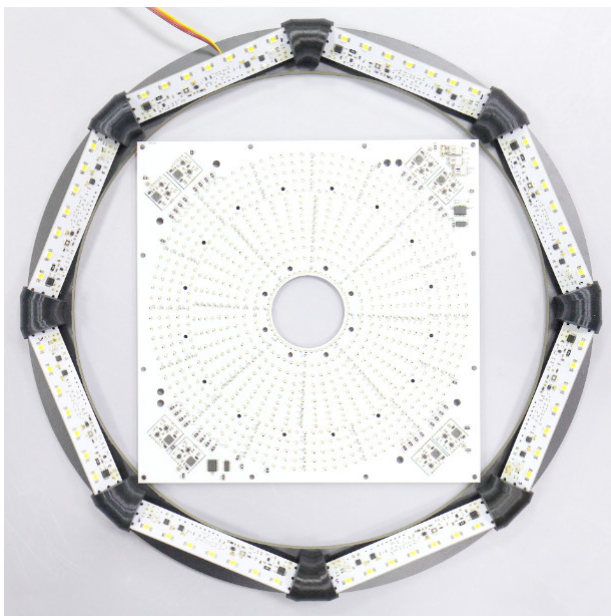
The optimisation of lighting scenes can only be realised with a controllable multi-channel lighting system suitable for this purpose.

With MultiLight, maximum information content of the image of the test objects can be achieved.

For this purpose, the image information is evaluated depending on the illumination settings and the information content of the image is optimised.

Features

- Compact and system-flexible design
- Operation in flash and continuous mode possible
- Very flexible solution for your lighting application
- 16 LED segments with serial interface can be controlled independently
- Quick adjustment to your lighting problem by setting lighting duration and current via USB
- Trigger outputs for synchronisation with the camera
- Integrated power electronics
- Control software for optimised illumination of the object scene according to customer requirements (optional)



16 differently arranged LED segments for feature-specific optimised illumination of test objects



PCB test by comparison with digital twin as OK. Good part



Steinbeis
Qualitätssicherung und
Bildverarbeitung GmbH

Werner-von-Siemens-Straße 9
98693 Ilmenau / Germany

Phone +49 (0) 36 77 · 46 90 59 0
Telefax +49 (0) 36 77 · 46 90 59 11

E-Mail info@sqb-ilmenau.de
Internet www.sqb-ilmenau.de

Contact

Dipl.-Ing. Steffen Lübbecke
Phone +49 (0) 36 77 · 46 90 59 12
E-Mail steffen.luebbecke@sqb-ilmenau.de

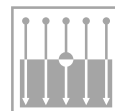
M. Sc. Norbert Jahn
Phone +49 (0) 36 77 · 46 90 59 15
E-Mail norbert.jahn@sqb-ilmenau.de

Technical data

- Pulse duration and pulse delay adjustable
- Trigger inputs opto-isolated 5 - 24 V (optional)
- Trigger outputs opto-isolated 5 - 24 V (optional)
- Trigger level TTL or PLC (otherwise on request)
- Brightness adjustable with 8-bit resolution
- Luminous flux incident light 8100 lm
- Luminous flux ring light 5600 lm
- Colour temperature incident light 4000 K
- Colour temperature of ring light 4000 K
- Operating voltage 24 V
- Electrical power, incident light 77 W
- Electrical power ringlight 58 W
- Configuration and control via USB
- 16 independently controllable segments
- Customised mounting
- Dimensions incident light LxWxH 300 mm x 300 mm x 10 mm
- Dimensions ring light Ø 500 mm, H 50 mm
- Ambient temperature in operation 5 - 40°C
- Air humidity max. 80% rel. humidity



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