

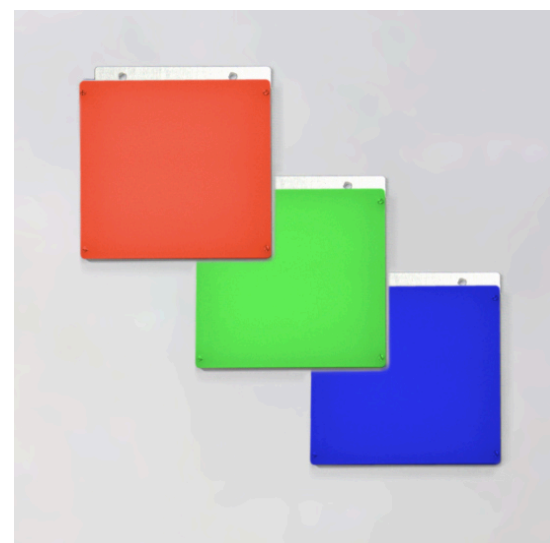


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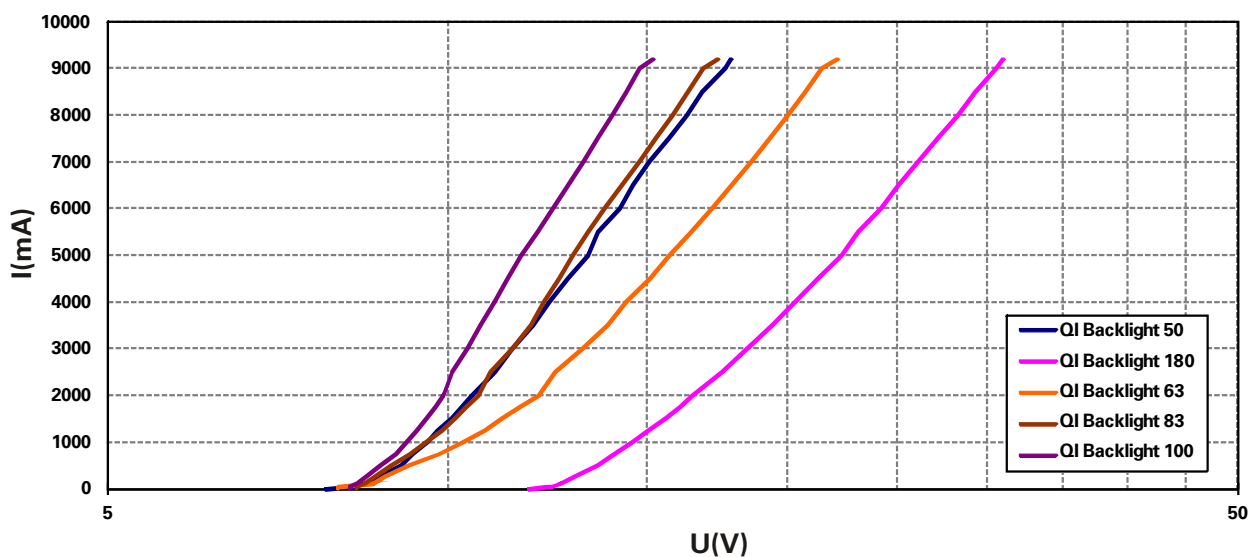
Backlight light tables

LED backlighting tables
 for industrial image processing

The LED illuminators of the backlight family are designed for testing applications in industrial environments. The possibility of continuous and flash operation enables a wide range of testing tasks. The specially developed design of the backlights ensures homogeneous luminance distribution and illumination. The use of an aluminium core PCB and an aluminium housing additionally offer a high level of robustness as well as optimal heat dissipation. This is reflected in high reliability and a long service life. The LEDs of the backlights have a dominant wavelength of 645 nm (red).



A combination of LED illumination from the backlight family with optionally available red filters for the camera lenses ensures a reduction of disturbing reflections and extraneous light, minimising the influence of interfering factors during measurement.



Voltage-current characteristic for flash control with backlights



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

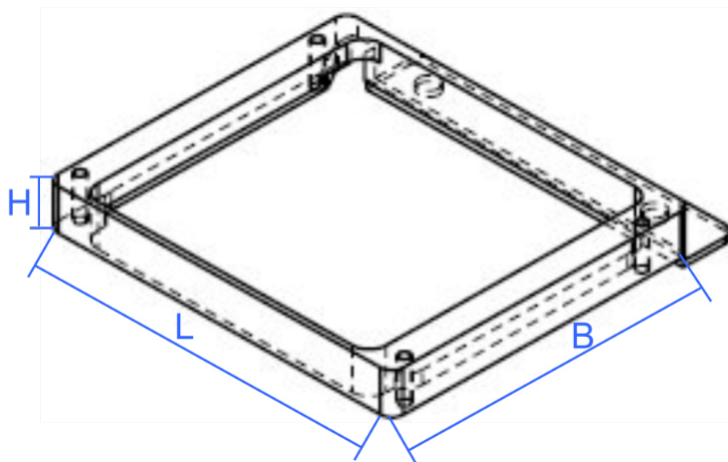
Technical data

- LED peak wavelength: 645 nm
- LED colour: red*1
- Cable length: 30 cm, optional lengths: 5m, 10m*1
- Connector: SMR-02 V-B or on request

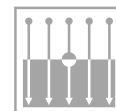
Possible applications

- Metric image processing
- Dimensional accuracy inspection
- Contour inspection / form inspection
- Visual inspection
- Technical recognition
- Optical coordinate measuring technique
- In-process inspection systems
- Integration in test equipment

Illuminated Area in mm	Dimensions in mm			P max in Watt	Max. Luminance*2 in cd/m ²
	L	B	H		
25 x 17	38	18	8,5	1,80	on request
25 x 25	38	26	8,5	2,50	on request
50 x 50	61	54	9,0	12,10	13730
63 x 60	73	70	9,0	18,00	on request
83 x 75	86	86	9,0	29,04	18400
100 x 100	111	103	9,0	48,40	19010
180 x 150	215	177	9,0	127,00	20450



Products Service



Development Research



Consulting Training

*1 others on request

*2 in the central circular measuring field