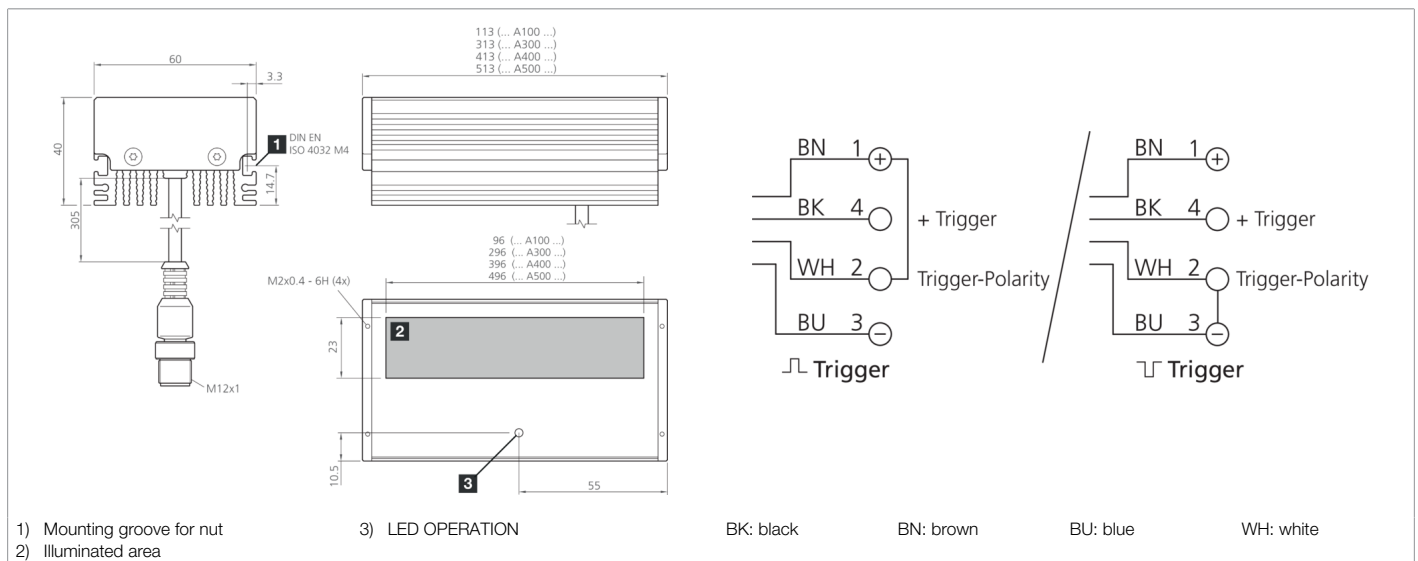




208173
BEK-A100-G0T-K-BS
Barlight

- Extremely high illuminance due to the most modern high-power LEDs
- Integrated power control with high efficiency
- Intelligent temperature control with switch-off automatic
- Homogeneous light field thanks to special LED optics
- High protection type
- Separate inputs for trigger signal and trigger polarity
- Robust metal housing
- Universal mounting options
- Scratch-resistant safety screen
- Crossbars and attachment optics available as an option



Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	18 ... 30 V DC (Supply Class 2)
Internal power consumption	550 mA (24 V DC)
Power	12.5 W (24 V DC)
Inverse polarity protection	Yes

Mechanical features

Illuminated area	96 x 23 mm
Housing dimensions	40 x 60 x 113 mm
Housing length	113 mm
Housing height	40 mm
Housing width	60 mm
Housing material	Aluminum (Black, Anodized)
Material	PMMA, hardcoated (Safety screen)
Weight	470 g

Certifications, approvals

Protection class	III, operation on protective low voltage
Risk group (DIN EN 62471)	Risk group 1
Approvals	UL



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Technical data (typ.)		+20°C, 24 V DC
General features		
Design	Barlight	
Output, input, interface		
Trigger input high level	3.3 ... 30.0 V	
Trigger input low level	< 2.8 V	
Optical data		
Light source	LED	
Color	Infrared	
Wavelength	850 nm	
Deflection angle FWHM	30°	
Light intensity	■ 44000 µW/cm² (100.0 mm) ■ 18000 µW/cm² (200.0 mm) ■ 3900 µW/cm² (500.0 mm)	
Display, operation		
Control	Integrated power control	
Display	LED green - Operating display	
Ambient conditions		
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm	
Ambient temperature during operation	0 ... +40 °C	
Protection type	IP 67	
Electrical connection		
Connection	Pigtail, 0.3 m (+ Connector M12), 4-pin	
Accessories		
Connection cable	VK ...	
More information / accessories		https://www.di-soric.com/208173