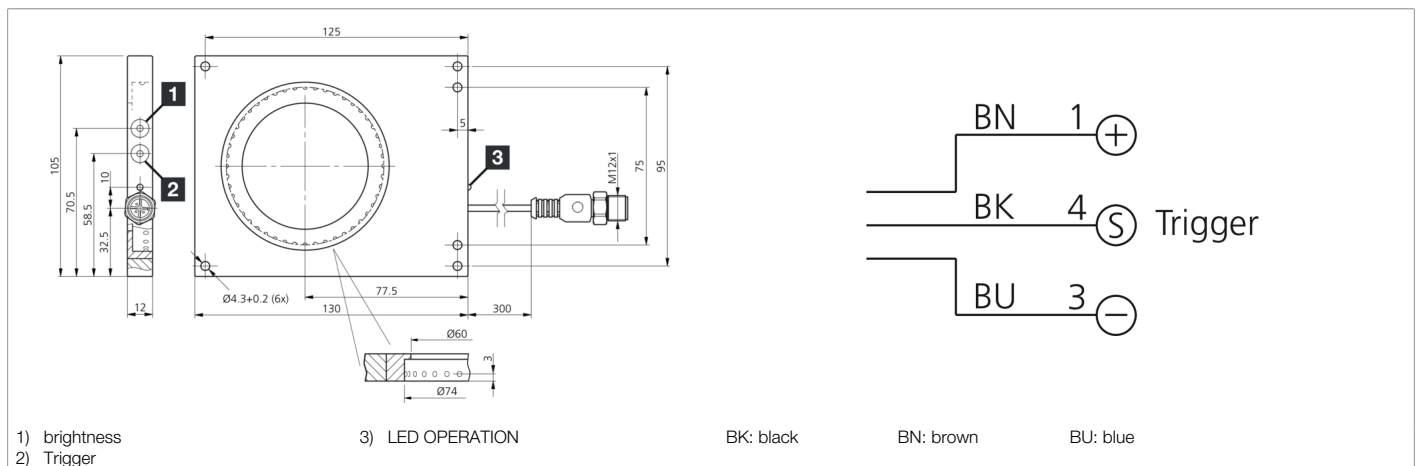




207442 BEK-D70-G3TI-K-BS Dark field light

- To detect the finest changes in surface
- Constant level of light intensity over the entire voltage range
- Homogeneous illumination
- Protection class IP 67
- Low levels of heat produced
- External trigger input
- High efficiency
- Light intensity can be adjusted
- Sturdy housing design



Function											

Technical data (typ.)										+20°C, 24 V DC	
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Electrical features	
Service voltage	10 ... 35 V DC (Supply Class 2)
No-load current (max.)	200 mA (24 V DC)
Power	5.0 W (24 V DC)
Inverse polarity protection	Yes
Insulation voltage endurance	500 V
Mechanical features	
Illuminated area	Ø 70
Housing dimensions	105 x 130 x 12 mm
Diameter	Ø 70 mm (Diameter)
Housing material	Aluminum (Black, Anodized)
Certifications, approvals	
Protection class	III, operation on protective low voltage
Risk group (DIN EN 62471)	Risk group 1
Approvals	UL
General features	
Design	Dark field light
Characteristics	Trigger input



207442

BEK-D70-G3TI-K-BS

Dark field light

Technical data (typ.)		+20°C, 24 V DC
Output, input, interface		
Trigger input high level		3.3 ... 35.0 V
Trigger input low level		< 2.8 V
Optical data		
Light source		LED
Color		Blue
Wavelength		465 nm
Deflection angle FWHM		30°
Display, operation		
Control		Integrated power control
Display		LED green - Operating display
Time behavior		
On-delay time (Trig.)		0.400 ms
Switch off delay (Trig.)		0.120 ms
Ambient conditions		
Shock/vibration load		30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation		0 ... +40 °C (Continuous operation)
Protection type		IP 67
Electrical connection		
Connection		Pigtail, 0.3 m, M12, 3-pin
Accessories		
Connection cable		VK ...
More information / accessories		https://www.di-soric.com/207442