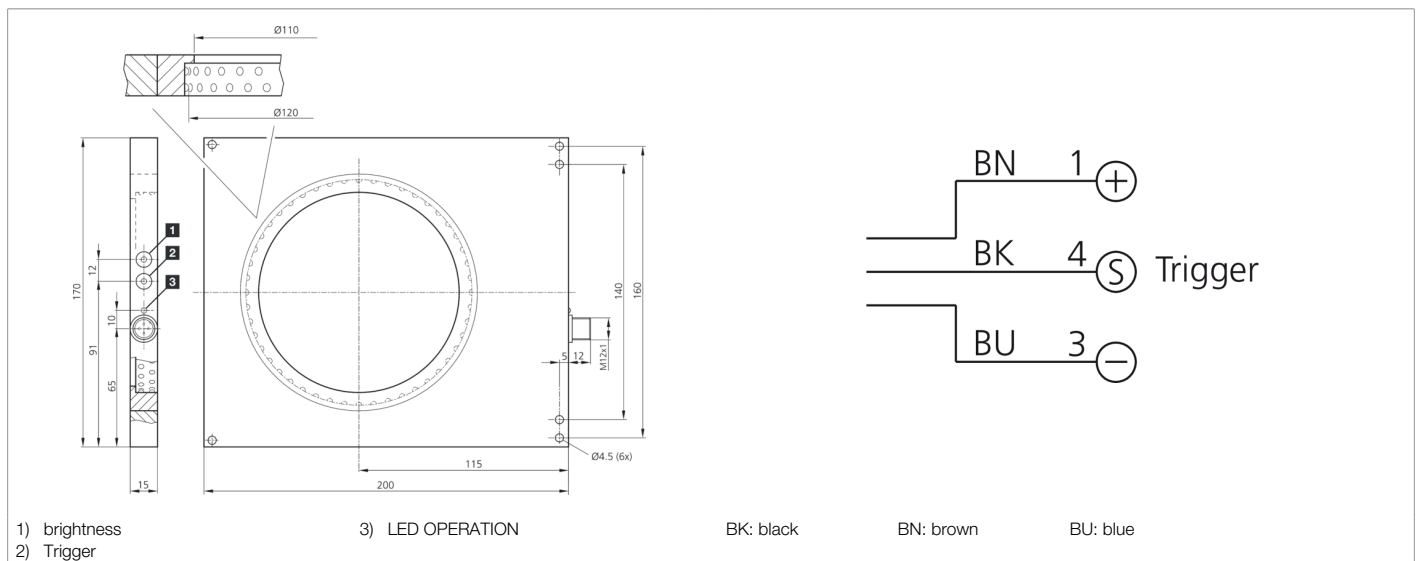




204986 BEK 1-D120-G3TI-IBS Dark field light

- 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

Electrical features

Service voltage	10 ... 35 V DC (Supply Class 2)
No-load current (max.)	340 mA (24 V DC)
Power	8.0 W (24 V DC)
Inverse polarity protection	Yes
Insulation voltage endurance	500 V

Mechanical features

Illuminated area	Ø 120
Housing dimensions	170 x 200 x 15 mm
Diameter	Ø 120 mm (Diameter)
Housing material	Aluminum (Black, Anodized)

Certifications, approvals

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

General features

Design	Dark field light
Characteristics	Trigger input



204986
BEK 1-D120-G3TI-IBS
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		20°
Display, operation		
Control		Integrated power control
Display		LED green - Operating display
Time behavior		
On-delay time (Trig.)		0.270 ms
Switch off delay (Trig.)		0.070 ms
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		Connector, M12, 3-pin
Accessories		
Connection cable		VK ...
More information / accessories		https://www.di-soric.com/204986