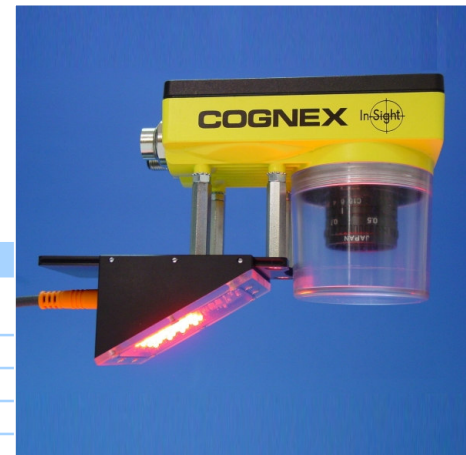




## ILP Low Angle 30° In-Sight Illumination

P/N: 75053.600



### Optical characteristics

Area illuminated	depending on working distance (100 x 80 mm <sup>2</sup> )
Light source	red LED, 617nm ±7nm
Emittance <sup>1)</sup>	≥ 40 W/m <sup>2</sup>
Degradation period of LEDs <sup>2)</sup>	> 50,000 h <sup>3)</sup> / > 35,000 h
Regulation of emittance on V <sub>s</sub>	Constant at V <sub>s</sub> =24V ±10%
LED Radiation Class	1M LED Product

### Electrical characteristics

Supply voltage V <sub>s</sub>	24 V DC ±10% <sup>4)</sup>
Ripple	5 V <sub>pp</sub>
Current Consumption	Max. 350 mA
Trigger input	Light on: 0V-2V; Light off: 3.5V-VIn
VDE protection class <sup>5)</sup>	EMC directive 89/336
Connector	sealed M8 male; 4 poles <sup>6)</sup>

### Mechanical characteristics

Enclosure rating	IP 67 - NEMA 6 NEMA 6P/IP68 upon request
Weight	Approx. 230g / 0.51lbs

### Ambient conditions

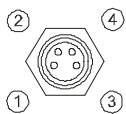
Ambient temperature	Operation: 0°C ... 50°C / 32°F ... 104°F <sup>7)</sup> Storage: -25°C ... 70°C / 32°F ... 158°F
Shock load	single: 15g, continuous: 10g
Vibration	± 0,35 mm at 10-58/s, 5g, at 58-150/s
Humidity	Max. 90%, relative

### Accessories

Connecting cable, 2m	P/N: 90040.185
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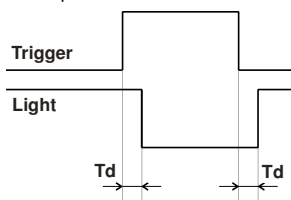
- 1) At distance of 100mm 4"
- 2) Drop in intensity to 50%
- 3) In triggered mode at pulse-interval ratio of ≤ 20%
- 4) Inverse-polarity protection
- 5) Reference voltage 50 V DC
- 6) Assignment, see connection diagram
- 7) Under certain conditions the ambient temperature may be increased, yet the device must never exceed 60°C / 140°F

Connecting Diagram:  
4 poles M8



1 = brown +24V DC  
 2 = white Trigger  
 3 = blue GND  
 4 = black nc

Pulse Delay:  
T<sub>d</sub> ≤ 10μs



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