

Line laser, blue, 405 nm, 60°, 50 mW

LB405-50-24(19x88)60DEG-PWL-TTL
Order Number: 70150223

Main Parameters (*)	min	typ	max	Unit
Wavelength		405		nm
Optical Output Power		50		mW
Operating Voltage	12	24	24	V DC
Operating Current	15	35	75	mA
Operating Temperature	-10		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	3B
Divergence	B - 0.3 mrad
Fan Angle	60°
Line Thickness	adjustable
Operating Distance	0.5 m
Optics	Powell Lens
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	< 3 %
Protection Lens	yes
Axial Divergence	± 0.2°
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
ESD Protection	yes
Max. Mod. Frequency	10 kHz

Power Supply
Power Supply, Output: 24V DC,
Input: 100-240V AC, 50-60Hz,
Output Power: 24W max.

Mechanical Parameters

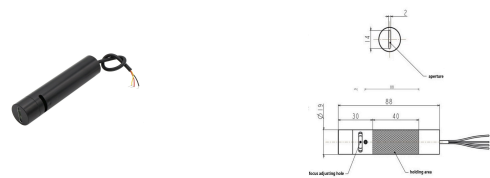
Size	Ø19x88 mm
Material	aluminium
Cable length	500 mm
Wire type	Belden 9533
Output Aperture	6.8 mm
Housing Color	black
Weight	20 g

(*) Over the complete operating temperature range

Features



Picture



Cable color

Ground		black	GND
Positive		red	12 - 24, typ 24 V DC
Modulation		yellow	10 kHz

Safety Label



Valid Revision

| 17-MAR-2023