

TECHNICAL DATA SHEET



LINE LASER

Technical data sheet
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INTRODUCTION


Powerful laser projector for the projection of road markings in the industry. It is easy to install and adjust, with the capability to adjust the length of the projection line and to adjust the line thickness in advance. Line laser is classified as a 3R laser class. It is ideal for industrial applications that require a sufficiently powerful laser to project bright lines over long distances. It is safe enough so special safety goggles are not needed. Line Laser is available in Green color 520-530nm and Red color 638nm.



TECHNICAL SPECIFICATIONS

Wavelength (nm)	530±5	638
Laser power (*inner) (mW)	1000, ≤1400	700, ≤1200
Laser class	3R	3R
Technology	Diode	Diode
Operating temperature	-40°C ~ +40°C	-40°C ~ +40°C
Storage temperature	-40°C ~ +85°C	-40°C ~ +85°C
Expected lifetime (MTTF)	>20,000 hour	>20,000 hour
Warranty	12 months	12 months

ELECTRICAL SPECIFICATIONS

Input voltage	12-24 VDC
Input current	max. 2000 Ma
Input M12 connector	 <p>Pin 1 + (12-24V DC) – brown wire Pin 3 – (12-24V DC) – blue wire Pin 2 opto-isolated laser ON/OFF + Pin 4 opto-isolated laser ON/OFF -</p>
Temperature protection	Yes
Electrical protection	polarity reversal, overvoltage protection, overheating protection
Connection	M12, 4 PIN industrial connector, IP 67
Powel cable lenght	5/10/15/20 m (on request)
Power supply unit	A: plug & play adapter 24V/36W, SKU: GST-36E24-P1J B: switching power supply, SKU: LPV-35-24

OPTICAL SPECIFICATIONS

Projection line	Angle 90°, 110°, 120°		
Focus	Fixed		
Line thickness	20 ~ 80mm		
Line lenght	The line lenght is calculated depending on the projection angle and distance to the surface		
	Angle	Distance	Approx. Line lenght
	110°	5m	14m
	110°	10m	28m
	120°	5m	17m
	120°	10m	34m
	90°	5m	10m
	90°	10m	20m

MECHANICAL SPECIFICATIONS

Dimensions	Ø80 x 175±5
Net Weight	1,8 kg
Protection rating	IP67

DRAWING SPECIFICATIONS

