LTZZO120-90-1-G-24V

Lighting Dimension

SECTION A-A
SCALE 1 : 1.5

(CONNECTOR) CABLE 50CM

10.3
Ø95
Ø125
Ø101.5
4X TAP M3X0.5 - ⩒ 6 NOT THRU
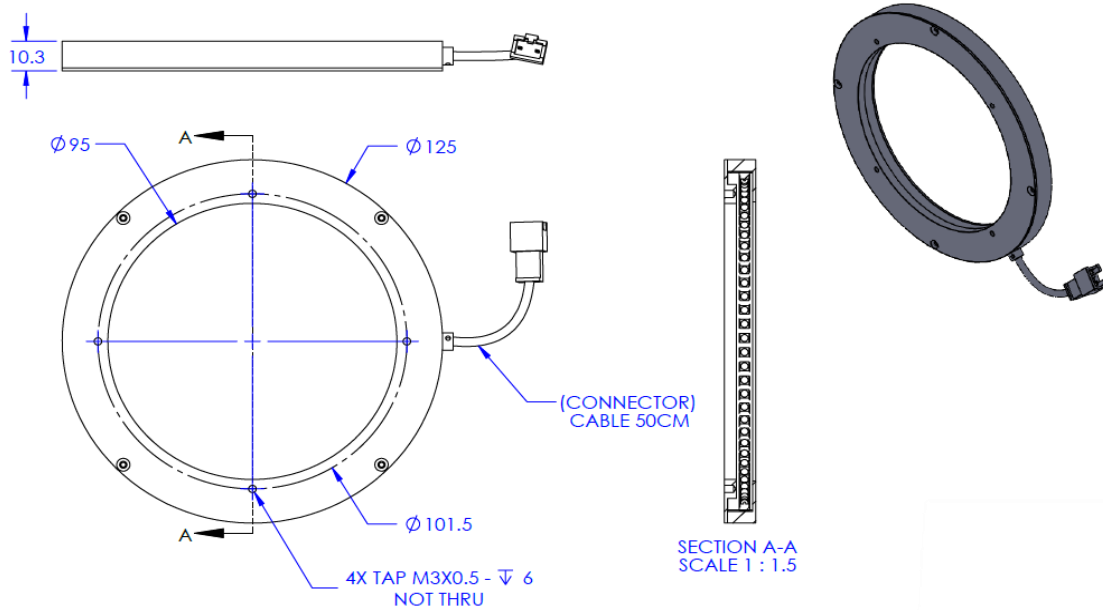
RoHS COMPLIANT   C E

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	100g
Length / Outer Diameter	125mm
Width / Inner Diameter	95mm
Thickness / Height	10.3mm

ILLUMINATOR DATA

OPTO ENGINEERING

LTZZO120-90-1-G-24V

Lighting Information			
Part Number	LTZZO120-90-1-G-24V		
LED Color	Green		
Wavelength	525		
Working Distance	20	25	30
Intensity (±15%)	* for further information please contact us		
Illumination (number of row)	1		
Illumination Active Area	Active Length / Outer Dia.	117mm	
	Active Width / Inner Dia.	96mm	
Emission angle	90		
Eye Safety Class (IEC62471)	EXEMPT		
Chromaticity Table For White colour only			

X	0.296	0.287	0.307	0.311
Y	0.276	0.295	0.315	0.294

X	0.311	0.307	0.33	0.33
Y	0.294	0.315	0.339	0.318

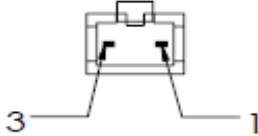| Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	160mA
Power Consumption	3.84W
Casing temperature, After 60 minutes operation	49.6

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	160mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 340mA	Max: 576mA
Recommended Overdrive Voltage	36V	
**Max. Trigger Pulse Duration	10 msec	
**Max. Duty Cycle	10%	

*Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.
**Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle.

LTZZO120-90-1-G-24V

Connection Information			
Connector Type (Default)	JST SMR-03V		
Cable Length	50 cm		
Pin Configuration	Pin	Signal	Cable Colour
	1	LED +	Red
	2	N.C	-
	3	LED -	White

Additional Information	
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	SD, ST, ANG, LC, SDA, SDP series
CE Conformity	YES
RoHS Compliance	YES

Application	
Illumination Type	Direct, Low Angle, Ring Illumination
Application Use	Edge Detection, Scratch on Metal or Glossy Surface

ILLUMINATOR DATA

LTZZO120-90-1-G-24V

Lighting Pattern				
Working Distance	For further details please contact us.			
Display and Image				
Data Results	Horizontal	Meas.(mm)	Vertical	Meas.(mm)
	90%		90%	
	80%		80%	
	70%		70%	
	60%		60%	
	50%		50%	
	40%		40%	
	30%		30%	
	20%		20%	
	10%		10%	