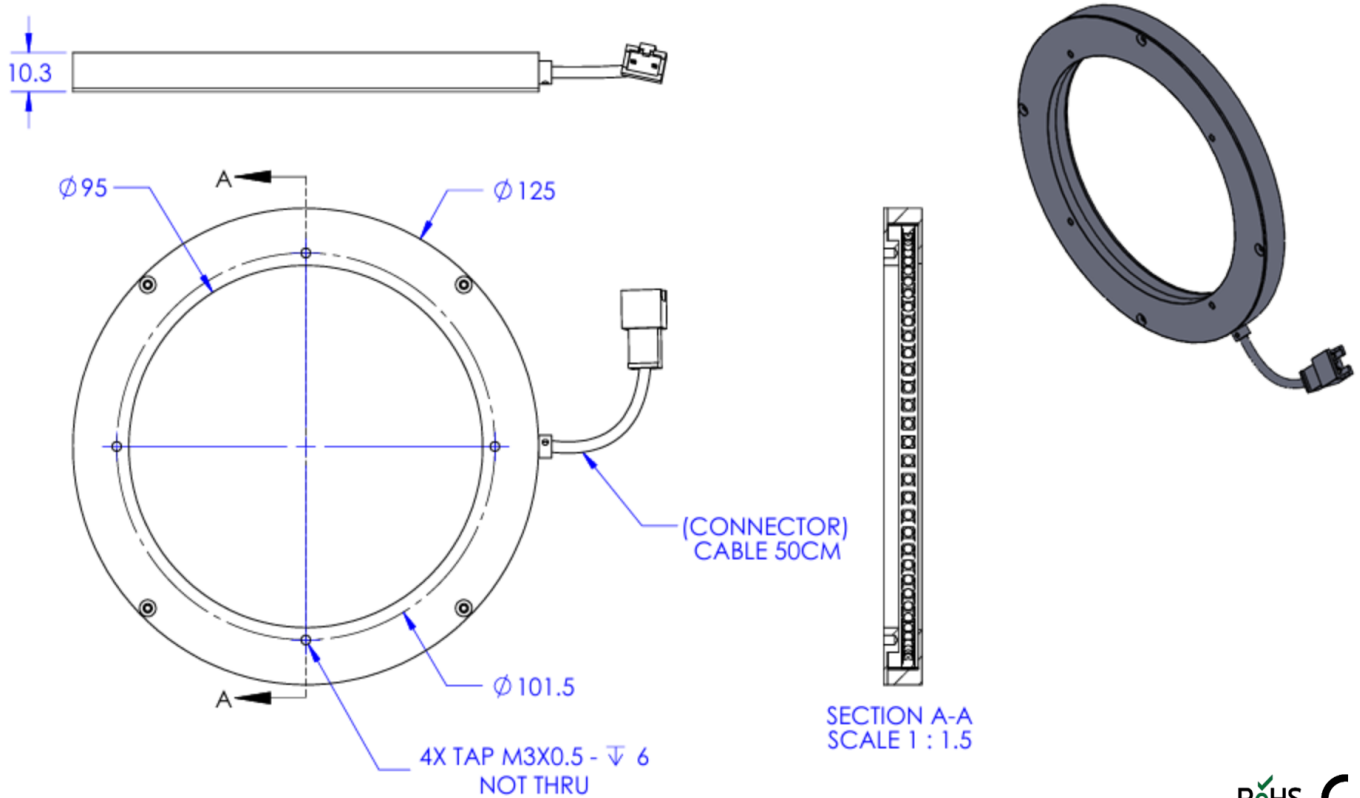


LTZZ0120-90-1-B-24V

Lighting Dimension

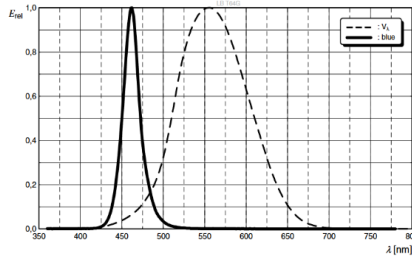


Mechanical Information

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

ILLUMINATOR DATA

LTZZ0120-90-1-B-24V

Lighting Information			
LED Color	BLUE		
Wavelength	<div></div> <div>461 nm - 477 nm</div>		
Working Distance	20mm	25mm	30mm
Intensity (±15%)	4189lx	2456.6lx	1817.6lx
Illumination (Number of Row)	1		
Illumination Active Area	Active Outer Diameter	96	
	Active Inner Diameter	96	
Emission Angle	90°		
Eye Safety Class (IEC62471)	EXEMPT Products with sources, which do not pose any potential photobiological hazard even for the continuous and unrestricted exposure. Example: 8 hours of exposure poses no acute hazard to either eye or skin, and 10,000 seconds (2.8 hours) of the intent starting causes no blue light retinal hazard.		
Chromaticity Table For White Colour Only			

Electrical Information	
Rated Voltage	24V _(Min) - 24V _(Max)
Rated Current	180mA
Power Consumption	4.320W
Casing Temperature, After 60 minutes operation	60°C

Strobe Mode Specification		
*Normal Strobe Voltage	24V	
*Normal Strobe Current	180mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 660mA	Max: 1140mA
Recommended Overdrive Voltage	36V	
**Max. Trigger Pulse Duration	10%	
**Max. Duty Cycle	10msec	

*Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.

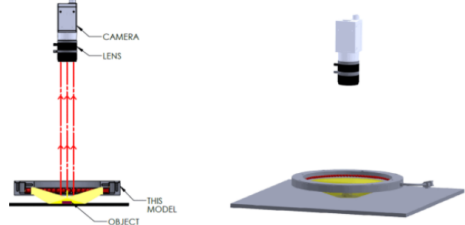
**Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle.

ILLUMINATOR DATA

LTZZ0120-90-1-B-24V

Connection Information			
Connector Type	JST SMR-03V-B		
Cable Length	500mm		
Pin Configuration 	Pin	Signal	Cable Color
	1	24V	RED
	2	-	-
	3	GND	WHITE / BLACK
			

Additional Information	
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	LTIC series
CE Conformity	YES
RoHS Compliance	YES

Application	
Illumination Type	Direct Low Angle, Ring Illumination
Application Use	<ul style="list-style-type: none"> • Edge Detection • Scratch on Metal or Glossy Surface 

ILLUMINATOR DATA

LTZZ0120-90-1-B-24V

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