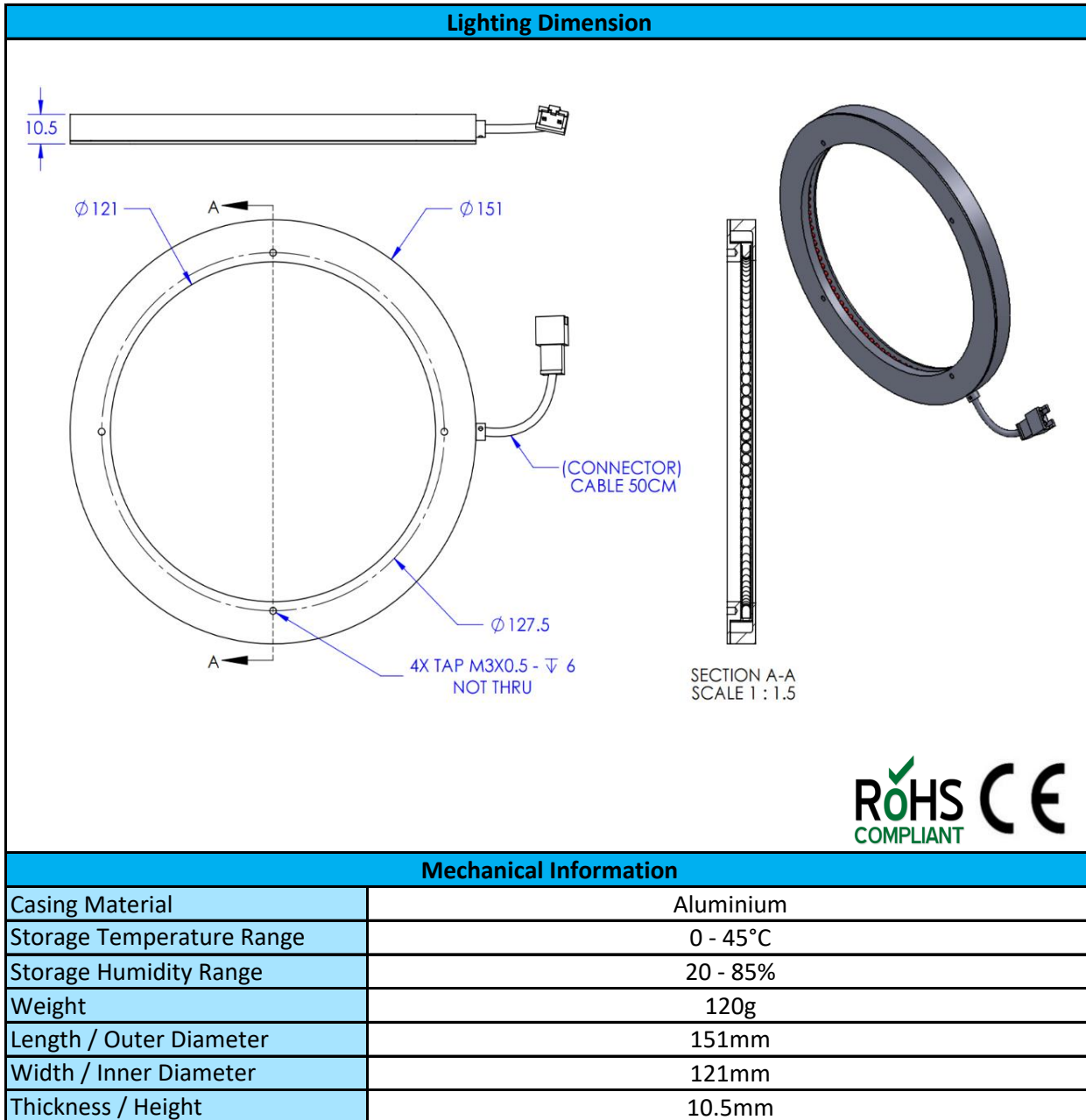




OPTO ENGINEERING

# ILLUMINATOR DATA

## LTZZ0150-90-1-R-24V





OPTO ENGINEERING

# ILLUMINATOR DATA

## LTZZO150-90-1-R-24V

Lighting Information			
Part Number	LTZZO150-90-1-R-24V		
LED Color	RED		
Wavelength	630nm		
Working Distance	15 mm	20 mm	25 mm
Intensity (±15%)	3390lx	2800lx	1900lx
Illumination (number of row)	1		
Illumination Active Area	Active Length / Outer Dia.	122 mm	
	Active Width / Inner Dia.	121 mm	
Emission angle	0		
Eye Safety Class ( IEC62471 )	EXEMPT		
Chromaticity Table For White colour only	Nil		

Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	165mA
Power Consumption	3.96W
Casing temperature, After 60 minutes operation	41.5 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	165mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 0.73 A	Max: 1.22 A
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.

# ILLUMINATOR DATA

## LTZZ0150-90-1-R-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 Illumination
Application Use	Label Inspection, Character Inspection, Code Recognition



OPTO ENGINEERING

# ILLUMINATOR DATA

## LTZZ0150-90-1-R-24V

Lighting Pattern				
Working Distance	20mm			
Display and Image				
Data Results	Horizontal	Meas.(mm)	Vertical	Meas.(mm)
	90%	21	90%	19
	80%	34	80%	29
	70%	48	70%	45
	60%	63	60%	61
	50%	77	50%	74
	40%	114	40%	104
	30%	120	30%	120
	20%	130	20%	133
	10%	161	10%	165
Max	Meas.(cd/m2)			
	911.826			