![Opto Engineering logo] **OPTO ENGINEERING**

ILLUMINATOR DATA

LT4RTF130-00-1-R-24V

Lighting Dimension
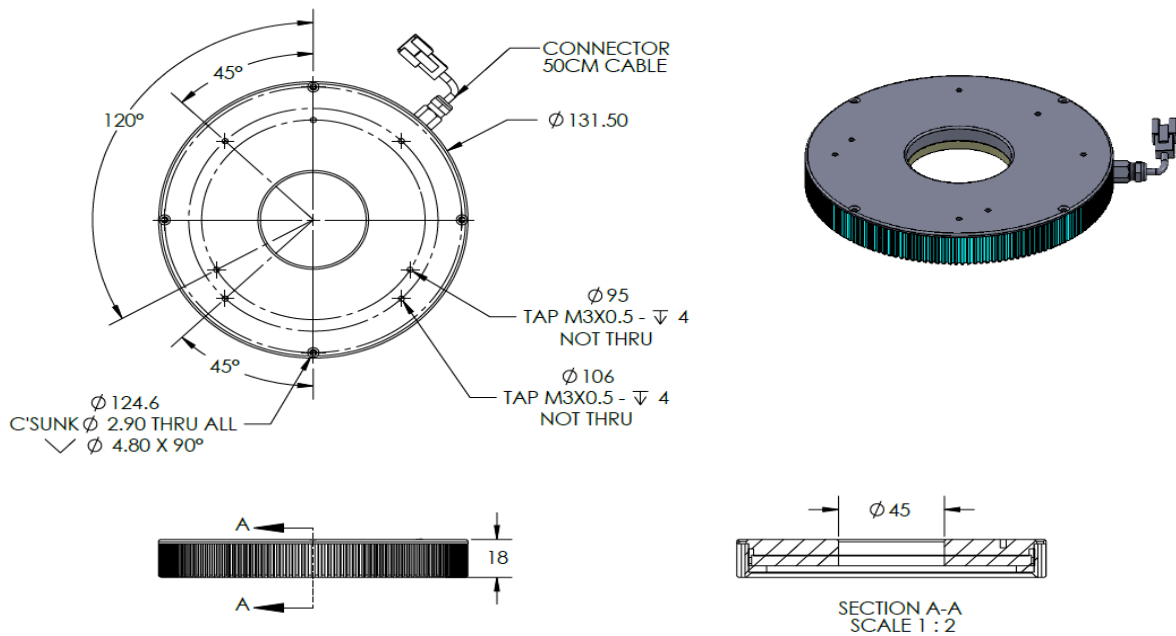
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	230 g
Length / Outer Diameter	131.5 mm
Width / Inner Diameter	45 mm
Thickness / Height	18 mm

LT4RTF130-00-1-R-24V

Lighting Information			
Part Number	LT4RTF130-00-1-R-24V		
LED Color	RED		
Wavelength	630nm		
Working Distance	65 mm	70 mm	75 mm
Intensity (±15%)	4387 lx	4089 lx	3706 lx
Illumination (number of row)	1		
Illumination Active Area	Active Length / Outer Dia.	121.3 mm	
	Active Width / Inner Dia.	45 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	300 mA
Power Consumption	7.2 W
Casing temperature, After 60 minutes operation	53 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	300 mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 6.9 A	Max: 6.9 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.
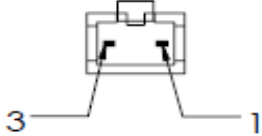**Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle.

LT4RTF130-00-1-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	Diffused Illumination
Application Use	Printed Character on IC Chips, PCB Components Inspection, Printing on Caps and Wafer OCR Inspection.

ILLUMINATOR DATA

LT4RTF130-00-1-R-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%	