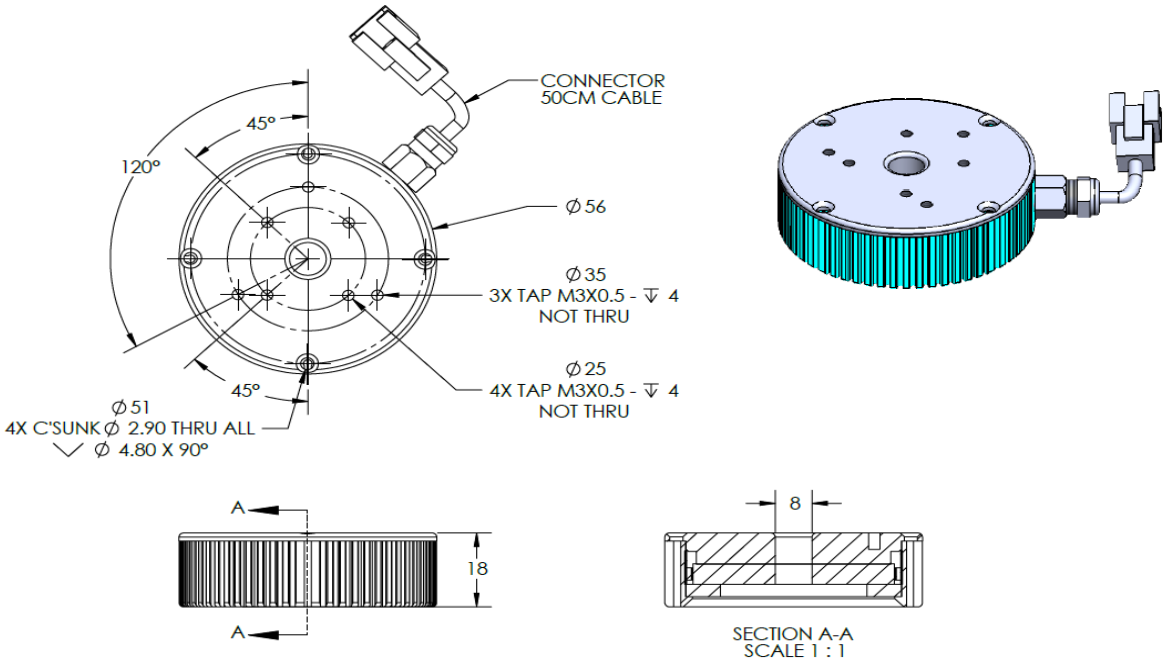
ILLUMINATOR DATA

LT4RTF050-00-1-W-24V

Lighting Dimension


RoHS COMPLIANT CE

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	60 g
Length / Outer Diameter	56 mm
Width / Inner Diameter	8 mm
Thickness / Height	18 mm

OPTO ENGINEERING

ILLUMINATOR DATA

LT4RTF050-00-1-W-24V

Lighting Information			
Part Number	LT4RTF050-00-1-W-24V		
LED Color	WHITE		
Wavelength	REFER TO CHROMACITY TABLE		
Working Distance	10 mm	15 mm	20 mm
Intensity (±15%)	56090 lx	47712 lx	40470 lx
Illumination (number of row)	1		
Illumination Active Area	Active Length / Outer Dia.	31.8 mm	
	Active Width / Inner Dia.	8 mm	
Emission angle	0		
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	108 mA
Power Consumption	2.6 W
Casing temperature, After 60 minutes operation	47 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	108 mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 2.7 A	Max: 2.7 A
Recommended Overdrive Voltage	36V	
**Max. Trigger Pulse Duration	10 msec	
**Max. Duty Cycle	10%	

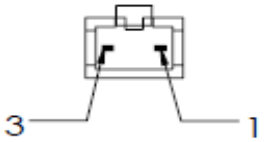
*Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.

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

OPTO ENGINEERING

ILLUMINATOR DATA

LT4RTF050-00-1-W-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.

OPTO ENGINEERING

ILLUMINATOR DATA

LT4RTF050-00-1-W-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%	