

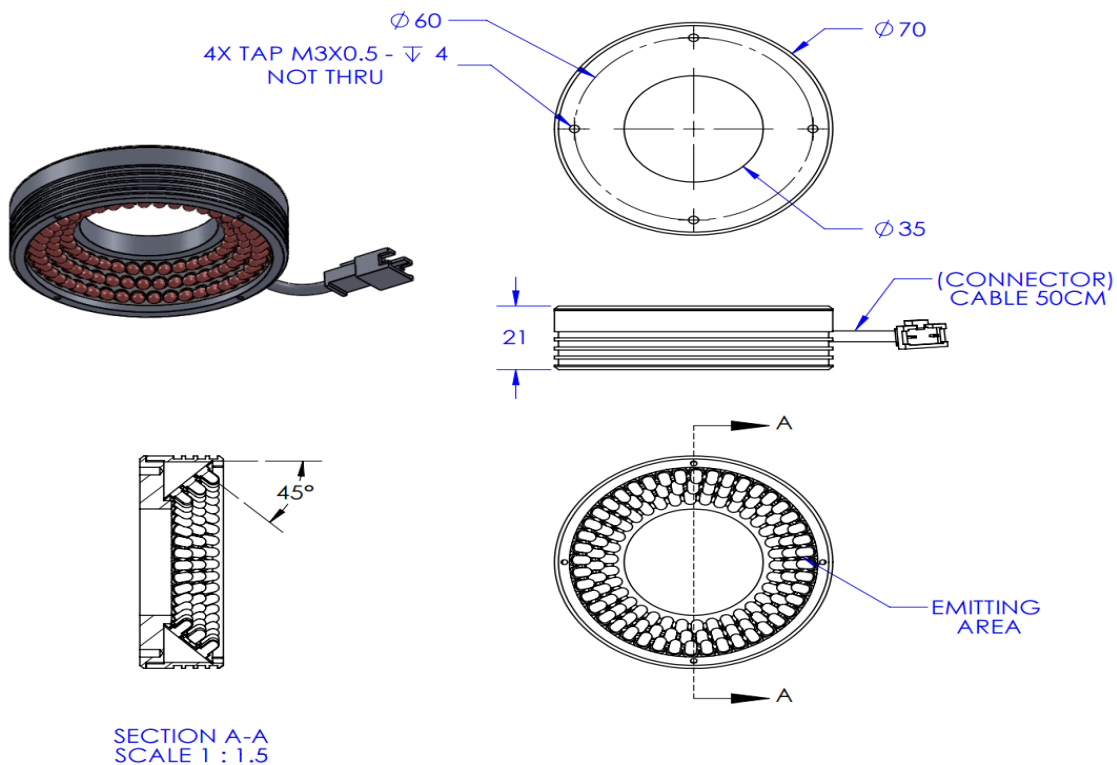


OPTO ENGINEERING

ILLUMINATOR DATA

LTZGK070-45-3-R-24V

Lighting Dimension



Mechanical Information

Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	120g
Length / Outer Diameter	70mm
Width / Inner Diameter	35mm
Thickness / Height	21mm

ILLUMINATOR DATA

LTZGK070-45-3-R-24V

Lighting Information																														
Part Number	LTZGK070-45-3-R-24V																													
LED Color	WHITE																													
Wavelength	REFER TO CHROMACITY TABLE																													
Working Distance	13 mm		18 mm		23 mm																									
Intensity (±15%)	151088 lx		115162 lx		82928 lx																									
Illumination (number of row)	3																													
Illumination Active Area	Active Length / Outer Dia.			62.5 mm																										
	Active Width / Inner Dia.			40.5 mm																										
Emission angle	45																													
Eye Safety Class (IEC62471)	EXEMPT																													
Chromaticity Table For White colour only	<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td></tr></table>					X	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	<table><tr><td>X</td><td>0.311</td><td>0.307</td><td>0.33</td><td>0.33</td></tr><tr><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table>					X	0.311	0.307	0.33	0.33	Y	0.294	0.315	0.339	0.318
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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	240mA
Power Consumption	5.76W
Casing temperature, After 60 minutes operation	53.4 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	240 mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 0.89 A	Max: 1.6 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

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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, Substrate Inspection, Flat surface, Fiducial Recognition

ILLUMINATOR DATA

LTZGK070-45-3-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%	