

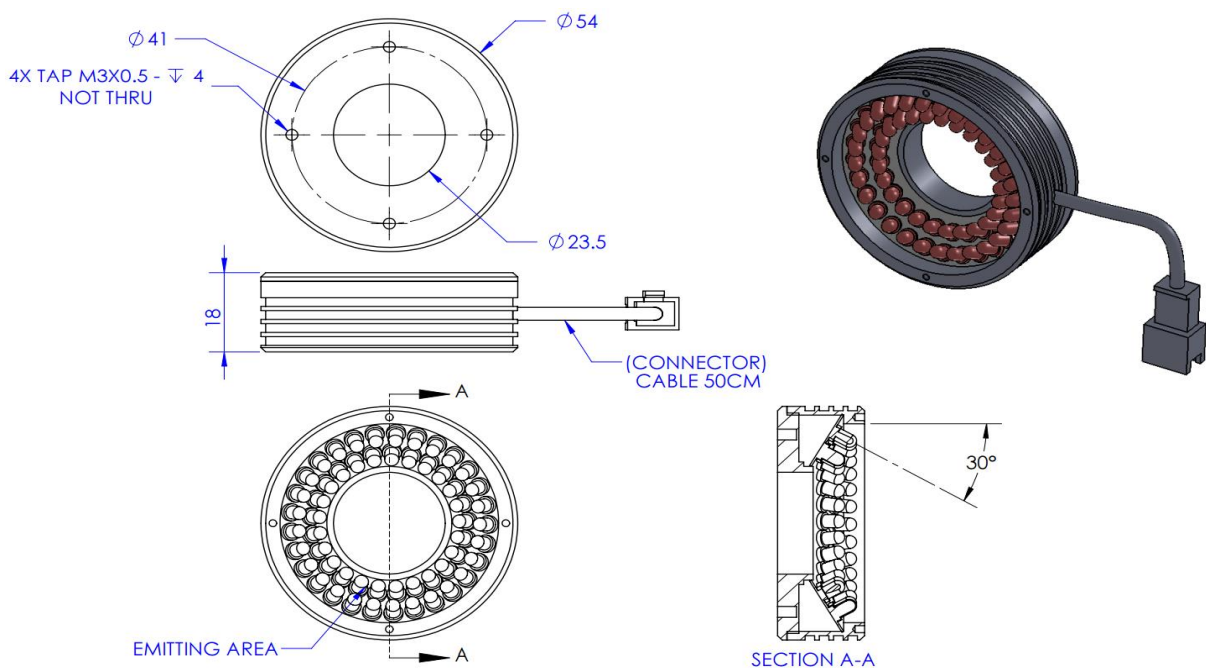


OPTO ENGINEERING

ILLUMINATOR DATA

LTZGK050-30-2-W-24V

Lighting Dimension



Mechanical Information

Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	60g
Length / Outer Diameter	54mm
Width / Inner Diameter	23.5mm
Thickness / Height	18.3mm

ILLUMINATOR DATA

LTZGK050-30-2-W-24V

Lighting Information										
Part Number	LTZGK050-30-2-W-24V									
LED Color	WHITE									
Wavelength	REFER TO CHROMACITY TABLE									
Working Distance	19 mm		24 mm		29 mm					
Intensity (±15%)	170400 lx		136100 lx		108700 lx					
Illumination (number of row)	2									
Illumination Active Area	Active Length / Outer Dia.			46 mm						
	Active Width / Inner Dia.			26.3 mm						
Emission angle	30									
Eye Safety Class (IEC62471)	EXEMPT									
Chromaticity Table For White colour only	X	0.296	0.287	0.307	0.311	X	0.311	0.307	0.33	0.33
	Y	0.276	0.295	0.315	0.294	Y	0.294	0.315	0.339	0.318

Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	120mA
Power Consumption	2.88W
Casing temperature, After 60 minutes operation	41.7 °C

Strobe Mode Specification	
*Normal Strobe Voltage	24 V
*Normal Strobe Current	120 mA
Overdrive Voltage Range	Min: 36V Max: 48V
Overdrive Current Range	Min: 0.47 A Max: 0.8 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.

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LTZGK050-30-2-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	Direct Illumination
Application Use	Label Inspection, Substrate Inspection, Flat surface, Fiducial Recognition

ILLUMINATOR DATA

LTZGK050-30-2-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%	