OPTO ENGINEERING

LT2QOG025-00-X-W-24V

Lighting Dimension
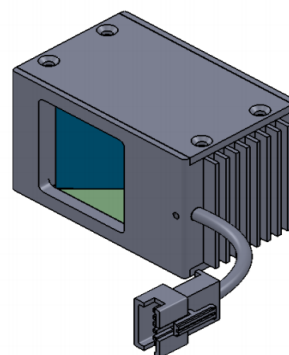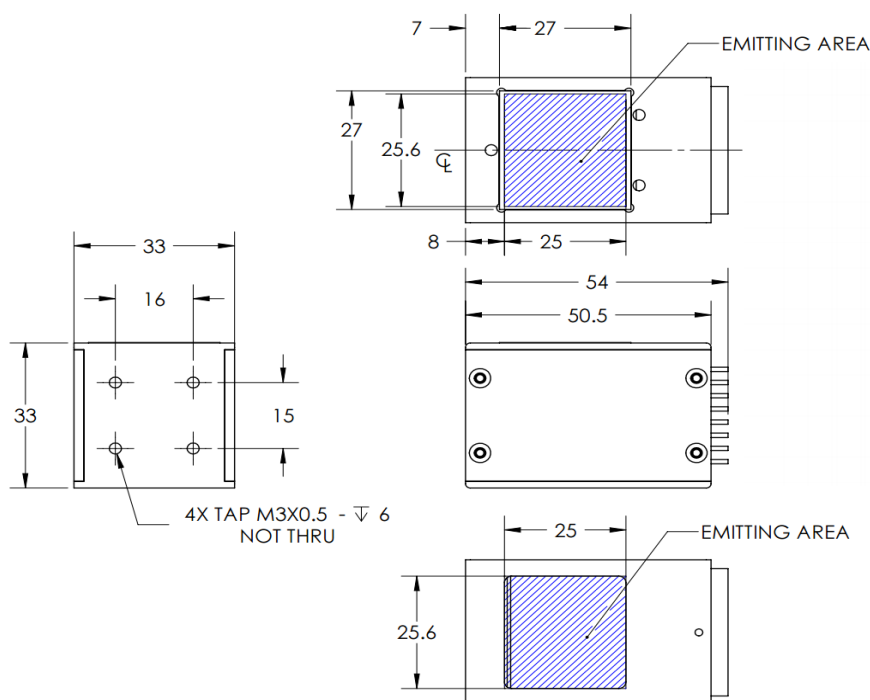
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	80 g
Length / Outer Diameter	54 mm
Width / Inner Diameter	33 mm
Thickness / Height	33 mm

ILLUMINATOR DATA

LT2QOG025-00-X-W-24V

Lighting Information								
Part Number	LT2QOG025-00-X-W-24V							
LED Color	WHITE							
Wavelength	REFER TO CHROMACITY TABLE							
Working Distance	20 mm		30 mm			40 mm		
Intensity (±15%)	17500 lx		10400 lx			6760 lx		
Illumination (number of row)	X							
Illumination Active Area	Active Length / Outer Dia.			25.6 mm				
	Active Width / Inner Dia.			25 mm				
Emission angle	0							
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

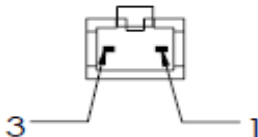| Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	160 mA
Power Consumption	3.84 W
Casing temperature, After 60 minutes operation	63.3 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	160 mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 0.8 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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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	Coaxial Illumination
Application Use	Surface Inspection and Alignment, Wafer and Metal Surface Inspection, Film, LCD, and Glass, Pattern on PCB Inspection.

ILLUMINATOR DATA

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Lighting Pattern			
Working Distance	For further details please contact us.		
Display and Image			
Data Results	Horizontal	Meas.(mm)	Vertical	Meas.(mm)

Horizontal	Meas.(mm)	Vertical	Meas.(mm)
90%		90%	
80%		80%	
70%		70%	
60%		60%	
50%		50%	
40%		40%	
30%		30%	
20%		20%	
10%		10%	