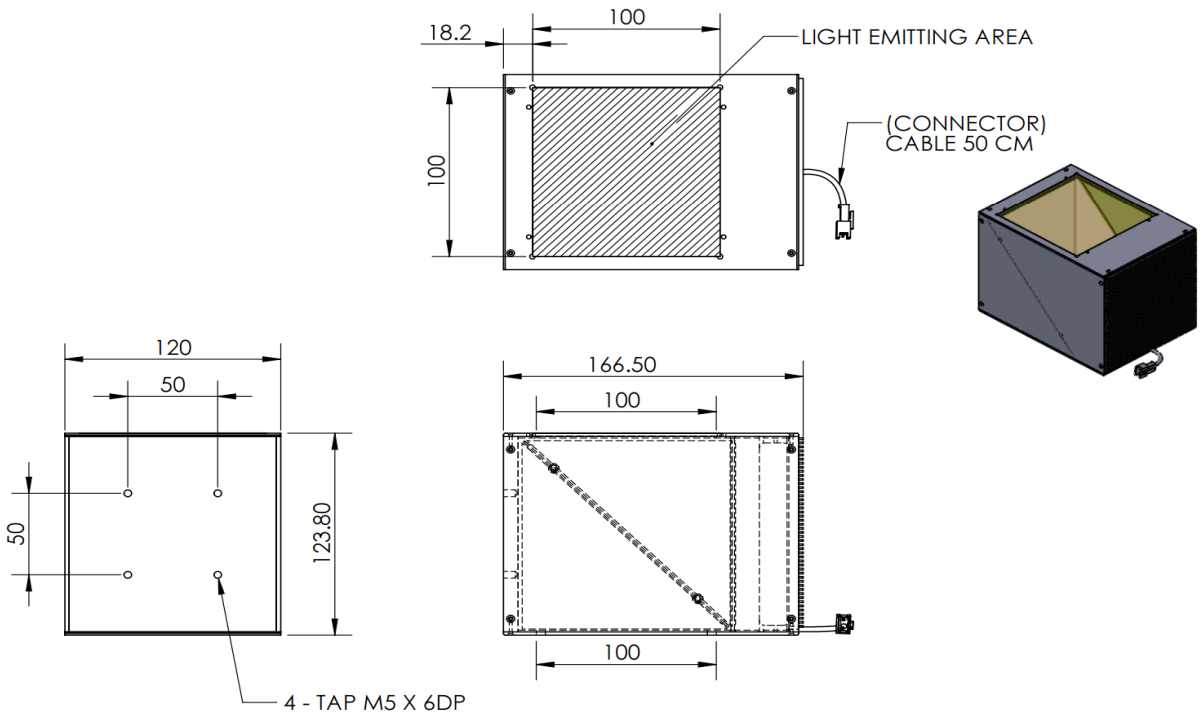
OPTO ENGINEERING

ILLUMINATOR DATA

LT2QOG100-00-X-W-24V

Lighting Dimension



RoHS COMPLIANT CE

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	1310 g
Length / Outer Diameter	166.5 mm
Width / Inner Diameter	120 mm
Thickness / Height	123.8 mm

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Lighting Information			
Part Number	LT2QOG100-00-X-W-24V		
LED Color	WHITE		
Wavelength	REFER TO CHROMACITY TABLE		
Working Distance	40 mm	50 mm	60 mm
Intensity (±15%)	17300 lx	14900 lx	12700 lx
Illumination (number of row)	X		
Illumination Active Area	Active Length / Outer Dia.	100 mm	
	Active Width / Inner Dia.	100 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	781 mA
Power Consumption	18.74 W
Casing temperature, After 60 minutes operation	47.8 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	781 mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 5.5 A	Max: 5.5 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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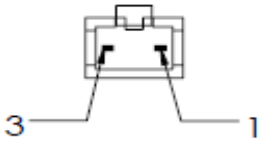
Connection Information			
Connector Type (Default)	JST SMR-03V		
Cable Length	50 cm		
Pin Configuration	Pin	Signal	Cable Colour
	1	LED +	Red
	2	N.C	-
	3	LED -	White



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.

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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)
	90%		90%	
	80%		80%	
	70%		70%	
	60%		60%	
	50%		50%	
	40%		40%	
	30%		30%	
	20%		20%	
	10%		10%	