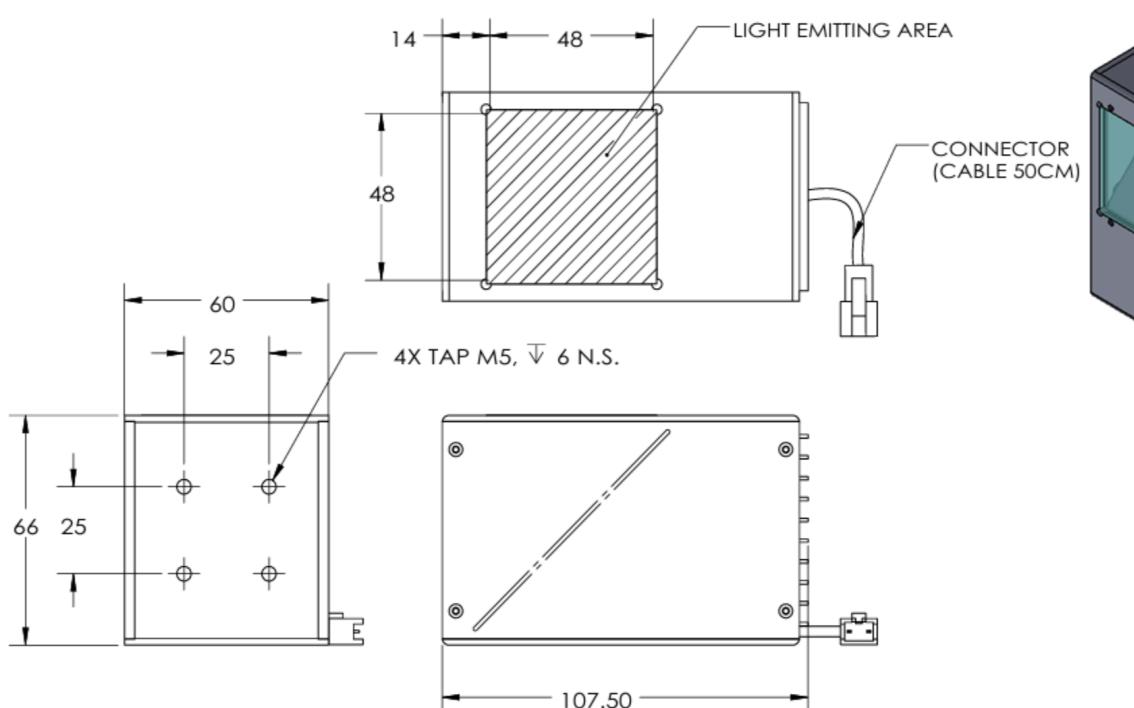


# ILLUMINATOR DATA

## LT2QOG040-00-X-W-24V

### Lighting Dimension



RoHS  
COMPLIANT 

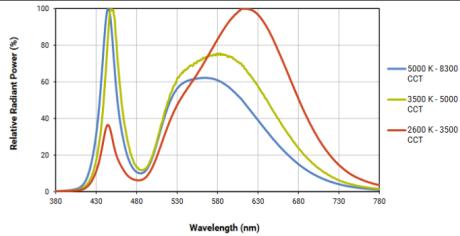
### Mechanical Information

Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	360g
Width / Inner Diameter	60mm
Length / Outer Diameter	107.5mm
Height / Thickness	66mm

# ILLUMINATOR DATA

## LT2QOG040-00-X-W-24V

### Lighting Information

LED Color	WHITE																						
LED Wavelength																							
Lighting Wavelength	6500 k																						
Working Distance	20mm	30mm	50mm																				
Intensity ( $\pm 15\%$ )	15400lx	11960lx	6470lx																				
Illumination (Number of Row)	6																						
Illumination Active Area	Active Outer Diameter	48mm																					
	Active Inner Diameter	48mm																					
Emission Angle	0°																						
Eye Safety Class (IEC62471)	EXEMPT																						
	Products with sources, which do not pose any potential photobiological hazard even for the continuous and unrestricted exposure. Example: 8 hours of exposure poses no acute hazard to either eye or skin, and 10,000 seconds (2.8 hours) of the intent starting causes no blue light retinal hazard.																						
Chromaticity Table For White Colour Only	<table border="1" style="display: inline-table; vertical-align: middle;"> <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> <table border="1" style="display: inline-table; vertical-align: middle;"> <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	0.296	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
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 Voltage	24V <sub>(Min)</sub> - 24V <sub>(Max)</sub>
Rated Current	350mA
Power Consumption	8.400W
Casing Temperature, After 60 minutes operation	60°C

### Strobe Mode Specification

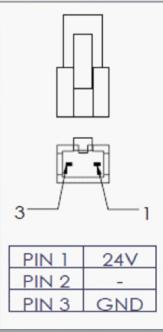
*Normal Strobe Voltage	24V
*Normal Strobe Current	350mA
Overdrive Voltage Range	Min: 36V
Overdrive Current Range	Min: 988mA
Recommended Overdrive Voltage	36V
**Max. Trigger Pulse Duration	10%
**Max. Duty Cycle	10msec

\*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

## LT2QOG040-00-X-W-24V

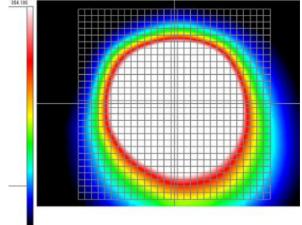
Connection Information									
Connector Type	JST SMR-03V-B								
Cable Length	500mm								
Pin Configuration	Pin	Signal	Cable Color						
	1	24V	RED						
	2	-	-						
	3	GND	WHITE / BLACK						
		 <table border="1"> <tr> <td>PIN 1</td><td>24V</td></tr> <tr> <td>PIN 2</td><td>-</td></tr> <tr> <td>PIN 3</td><td>GND</td></tr> </table>	PIN 1	24V	PIN 2	-	PIN 3	GND	
PIN 1	24V								
PIN 2	-								
PIN 3	GND								

Additional Information	
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	LTIC series
CE Conformity	YES
RoHS Compliance	YES

Application	
Illumination Type	Uniform Mid Power Coaxial Illumination
Application Use	<ul style="list-style-type: none"> <li>Surface Inspection and Alignment, Wafer and Metal Surface Inspection, Film, LCD &amp; Glass, Pattern on PCB Inspection.</li> </ul>

# ILLUMINATOR DATA

## LT2QOG040-00-X-W-24V

Lighting Pattern				
Working Distance	20mm			
Display and Image				
Data Results	Horizontal	Meas. (mm)	Vertical	Meas. (mm)
	90%	203	90%	209
	80%	209	80%	219
	70%	218	70%	232
	60%	229	60%	248
	50%	243	50%	269
	40%	264	40%	277
	30%	297	30%	288
	20%	350	20%	308
	10%	396	10%	316