

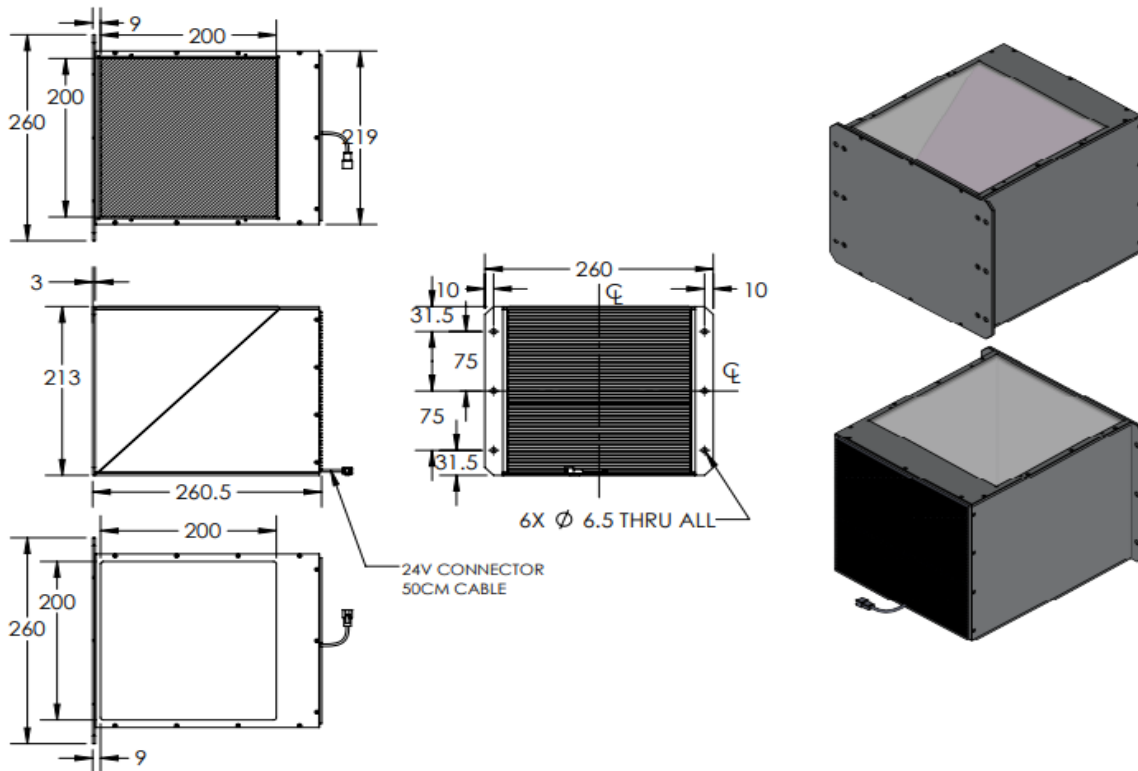


OPTO ENGINEERING

ILLUMINATOR DATA

LT3QOG200-00-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	3200 g
Length / Outer Diameter	260.5 mm
Width / Inner Diameter	219 mm
Thickness / Height	213 mm

ILLUMINATOR DATA

LT3QOG200-00-X-W-24V

Lighting Information										
Part Number	LT3QOG200-00-X-W-24V									
LED Color	WHITE									
Wavelength	REFER TO CHROMACITY TABLE									
Working Distance	100 mm	110 mm			120 mm					
Intensity (±15%)	20277 lx	18603 lx			16969.5 lx					
Illumination (number of row)	X									
Illumination Active Area	Active Length / Outer Dia.			200 mm						
	Active Width / Inner Dia.			200 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	1584 mA
Power Consumption	38.02 W
Casing temperature, After 60 minutes operation	65.1 °C


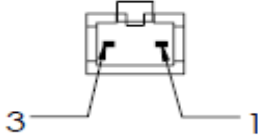
Strobe Mode Specification	
*Normal Strobe Voltage	24 V
*Normal Strobe Current	1584 mA
Overdrive Voltage Range	Min: 36V Max: 48V
Overdrive Current Range	Min: 3.86 A Max: 6.48 A
Recommended Overdrive Voltage	36V
**Max. Trigger Pulse Duration	10 msec
**Max. Duty Cycle	10%

*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

LT3Q0G200-00-X-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	Coaxial Illumination
Application Use	Surface Inspection and Alignment, Wafer and Metal Surface Inspection, Film, LCD and Glass, Pattern on PCB Inspection.

ILLUMINATOR DATA

LT3Q0G200-00-X-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%	