OPTO ENGINEERING

LT3PVZL240X240-00-X-W-24V

Lighting Dimension

CABLE & CONNECTOR

EMITTING AREA

276
268
240
140
240
258
4 X Ø 3.20 THRU
30
2

RoHS COMPLIANT CE
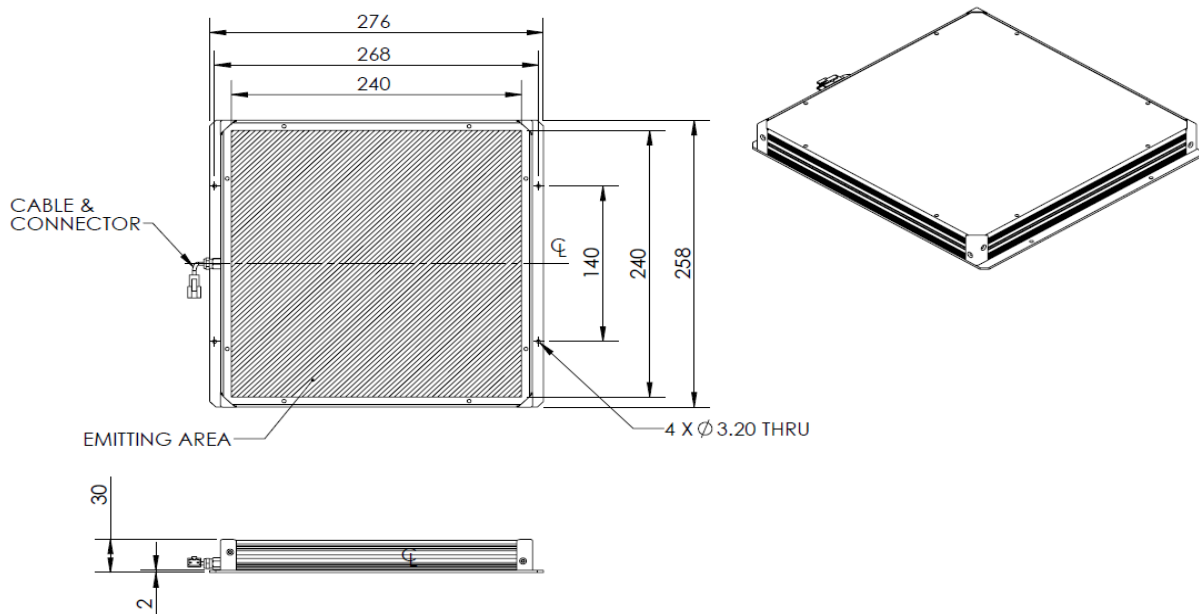
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	1170 g
Length / Outer Diameter	276 mm
Width / Inner Diameter	258 mm
Thickness / Height	30 mm

ILLUMINATOR DATA

OPTO ENGINEERING

LT3PVZL240X240-00-X-W-24V

Lighting Information								
Part Number	LT3PVZL240X240-00-X-W-24V							
LED Color	WHITE							
Wavelength	REFER TO CHROMACITY TABLE							
Working Distance	10 mm		20 mm			30 mm		
Intensity (±15%)	41890 lx		39476 lx			38482 lx		
Illumination (number of row)	X							
Illumination Active Area	Active Length / Outer Dia.			240 mm				
	Active Width / Inner Dia.			240 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

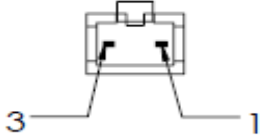| Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	1620 mA
Power Consumption	38.88 W
Casing temperature, After 60 minutes operation	52.8 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	1620 mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 10.8 A	Max: 10.8 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	Backlight Illumination
Application Use	Lead Frame Inspection, Shape Recognition, Size Measurement, edge detection.

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