OPTO ENGINEERING

LTPVZE320X320D50-X-R-24V

Lighting Dimension

336
328
300

24V CONNECTOR &
50CM CABLE

120

318
300

Ø 50

4 X Ø 3.20 THRU

EMITTING AREA

30

2

RoHS COMPLIANT CE
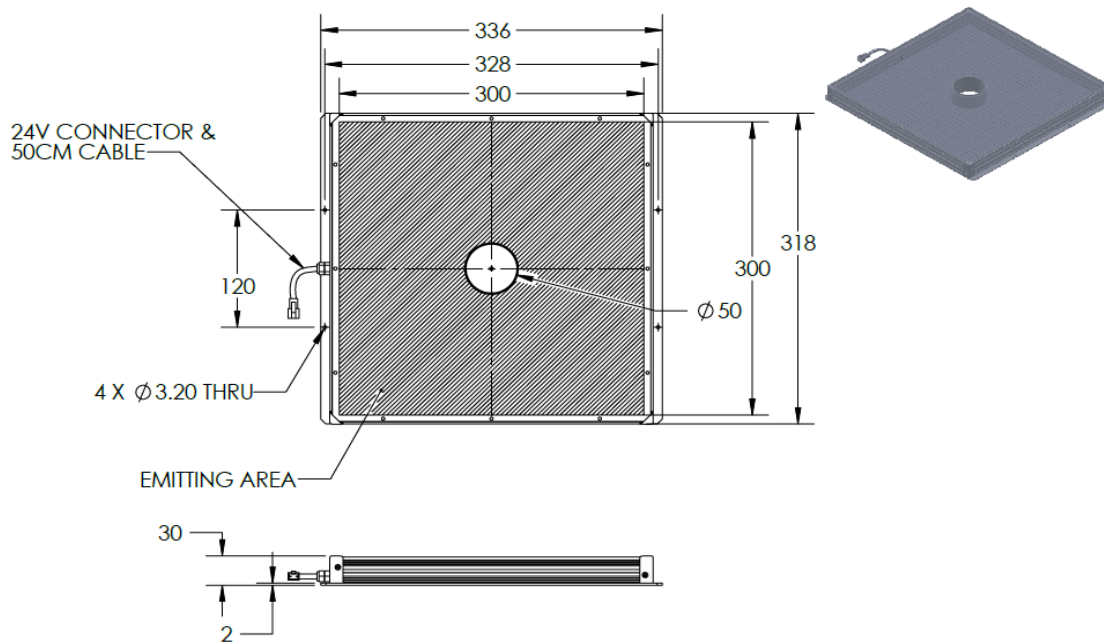
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	1450g
Length / Outer Diameter	336mm
Width / Inner Diameter	318mm
Thickness / Height	30mm

ILLUMINATOR DATA

LTPVZE320X320D50-X-R-24V

Lighting Information			
Part Number	LTPVZE320X320D50-X-R-24V		
LED Color	RED		
Wavelength	630		
Working Distance	10	20	30
Intensity (±15%)	*FOR FURTHER INFORMATION PLEASE CONTACT US		
Illumination (number of row)	X		
Illumination Active Area	Active Length / Outer Dia.	320mm	
	Active Width / Inner Dia.	320mm	
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

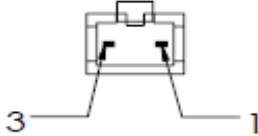| Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	2145mA
Power Consumption	51.48W
Casing temperature, After 60 minutes operation	52.4

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	2856mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 3442mA	Max: 4590mA
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	Diffused Illumination
Application Use	Robotic picking, identification & missing part, measurement, shape recognition

ILLUMINATOR DATA

LTPVZE320X320D50-X-R-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%	