OPTO ENGINEERING

LTPVZE160X160D50-X-B-24V

Lighting Dimension

RoHS COMPLIANT CE
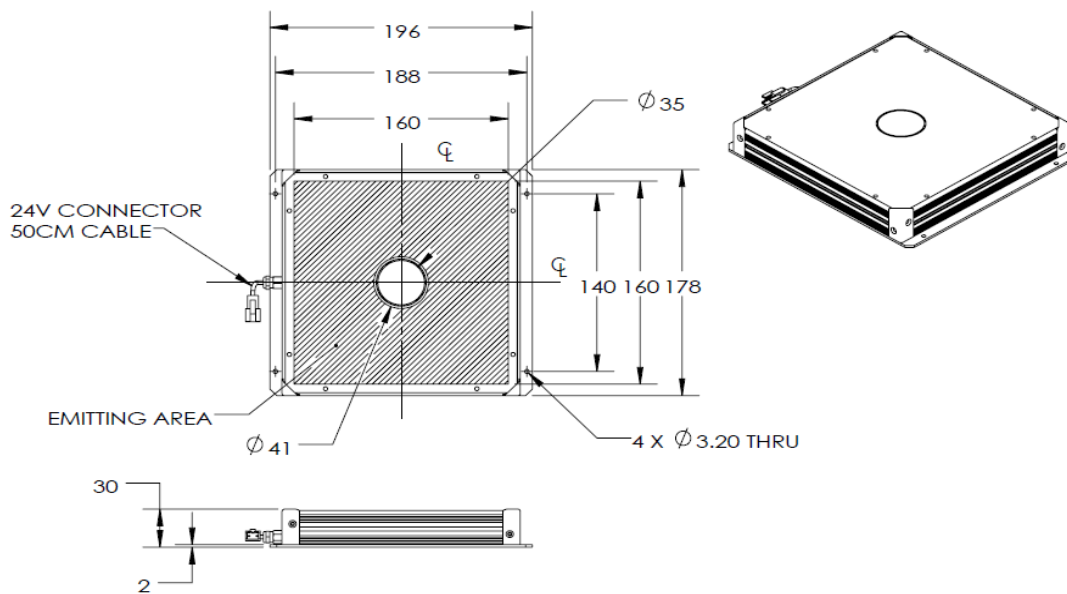
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	665g
Length / Outer Diameter	196mm
Width / Inner Diameter	178mm
Thickness / Height	30mm

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Lighting Information			
Part Number	LTPVZE160X160D50-X-B-24V		
LED Color	BLUE		
Wavelength	470		
Working Distance	10	20	30
Intensity (±15%)	* FOR FURTHER INFORMATION PLEASE CONTACT US		
Illumination (number of row)	0		
Illumination Active Area	Active Length / Outer Dia.	160mm	
	Active Width / Inner Dia.	160mm	
Emission angle	0		
Eye Safety Class (IEC62471)	II		
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

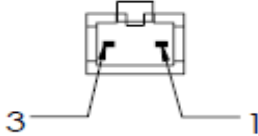| Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	705mA
Power Consumption	16.92W
Casing temperature, After 60 minutes operation	52.4

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	705mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 1057mA	Max: 1410mA
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

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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%	