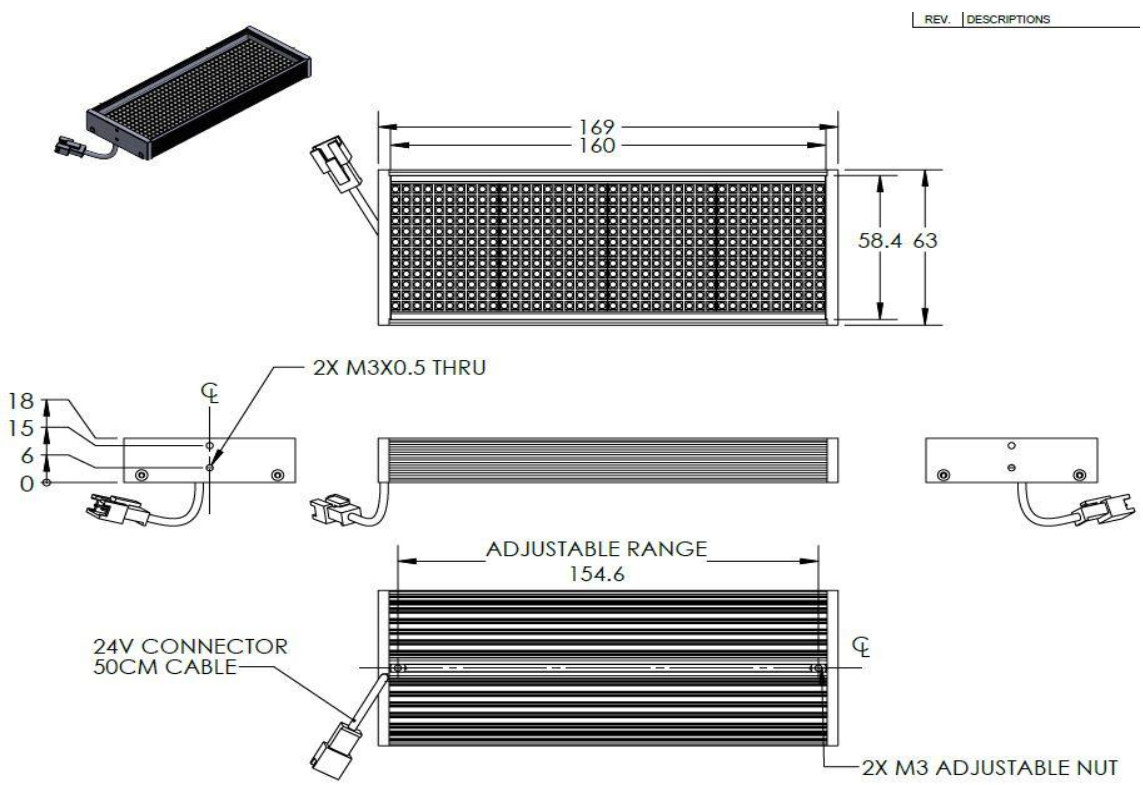
ILLUMINATOR DATA

LTZPFL160-00-12-W-24V

Lighting Dimension


Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	152 g
Length / Outer Diameter	169 mm
Width / Inner Diameter	63 mm
Thickness / Height	18 mm

OPTO ENGINEERING

ILLUMINATOR DATA

LTZPFL160-00-12-W-24V

Lighting Information			
Part Number	LTZPFL160-00-12-W-24V		
LED Color	WHITE		
Wavelength	REFER TO CHROMACITY TABLE		
Working Distance	80 mm	90 mm	100 mm
Intensity (±15%)	*FOR FURTHER INFORMATION PLEASE CONTACT US		
Illumination (number of row)	12		
Illumination Active Area	Active Length / Outer Dia.	160 mm	
	Active Width / Inner Dia.	58.4 mm	
Emission angle	0		
Eye Safety Class (IEC62471)	EXEMPT		
Chromaticity Table For White colour only	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 Constant Voltage	24V±2%
Rated Constant Current	560 mA
Power Consumption	13.44 W
Casing temperature, After 60 minutes operation	59.3 °C

Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	560 mA	
Overdrive Voltage Range	Min: 36 V	Max: 48 V
Overdrive Current Range	Min: 982 mA	Max: 1244 mA
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.

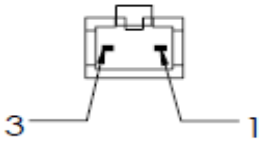
**Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle.

OPTO ENGINEERING

ILLUMINATOR DATA

LTZPFL160-00-12-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	Direct Illumination
Application Use	Label Inspection, Character Inspection, Code Recognition

OPTO ENGINEERING

ILLUMINATOR DATA

LTZPFL160-00-12-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%	