

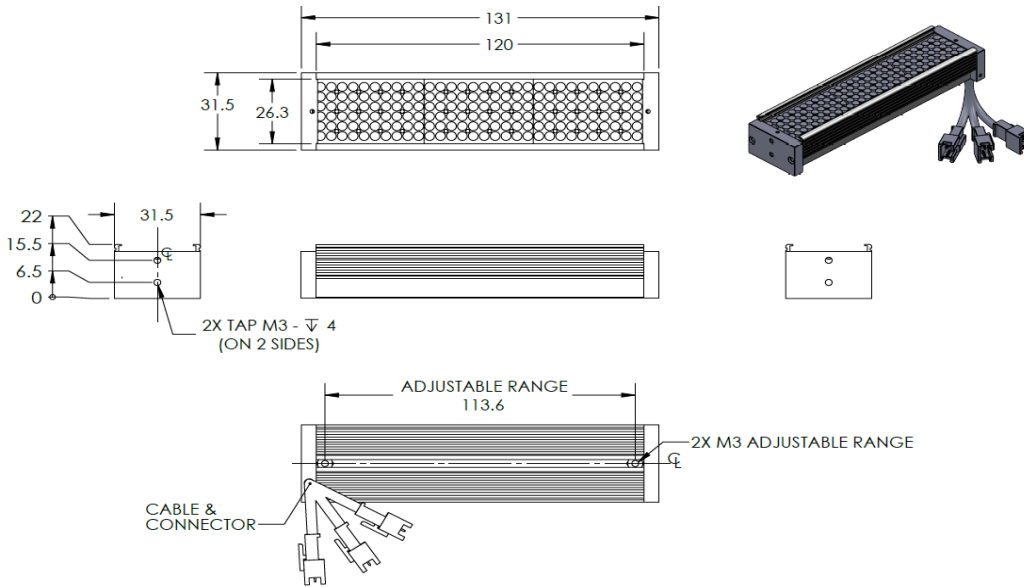


OPTO ENGINEERING

# ILLUMINATOR DATA

## LTZPFL120-00-6-RGB-24V

### Lighting Dimension



### Mechanical Information

Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	130g
Length / Outer Diameter	132mm
Width / Inner Diameter	31.5mm
Thickness / Height	22mm



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## LTZPFL120-00-6-RGB-24V

Lighting Information									
Part Number	LTZPFL120-00-6-RGB-24V								
LED Color	RED			GREEN			BLUE		
Wavelength	630			525			470		
Working Distance	100	130	150	100	130	150	100	130	150
Intensity (±15%)	*FOR FURTHER INFORMATION PLEASE CONTACT US								
Illumination (number of row)	6								
Illumination Active Area	Active Length / Outer Dia.			120mm					
	Active Width / Inner Dia.			26.3mm					
Emission angle	0								
Eye Safety Class ( IEC62471 )	EXEMPT			EXEMPT			II		
Chromaticity Table <i>For White colour only</i>	NIL								

Electrical Information			
Rated Constant Voltage	24V		
Rated Constant Current	360mA	360mA	360mA
Power Consumption	8.64W	8.64W	8.64W
Casing temperature, After 60 minutes operation	59.1		
Max. continous current of RED, GREEN & BLUE LEDs on at the same time	*It is not recommended to turn on Red, Green and Blue colour at the same time. Refer to Maximum Simultaneous Current Output section in the last page for maximum current that can be supplied for each colour. Failure in following this may results in damaging the lighting.		


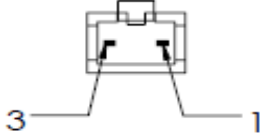
Strobe Mode Specification			
*Normal Strobe Voltage	24V		
*Normal Strobe Current	360mA	360mA	360mA
Overdrive Voltage Range	MIN: 2930mA MAX: 3600mA	MIN: 2930mA MAX: 3600mA	MIN: 2930mA MAX: 3600mA
Overdrive Current Range	MIN: 36V MAX: 48V	MIN: 36V MAX: 48V	MIN: 36V MAX: 48V
Max. pulse current of RED, GREEN & BLUE LEDs on at the same time	*It is not recommended to turn on Red, Green and Blue colour at the same time. Refer to Maximum Simultaneous Current Output section in the last page for maximum current that can be supplied for each colour. Failure in following this may results in damaging the lighting.		
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. Failure in following this may results in damaging the lighting.

# ILLUMINATOR DATA

## LTZPFL120-00-6-RGB-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	General Illumination, label inspection, character inspection, code recognition.



OPTO ENGINEERING

# ILLUMINATOR DATA

## LTZPFL120-00-6-RGB-24V

Maximum Simultaneous Current Output Information		
Colour	Current Limit (A)	Remarks
 SINGLE COLOUR : RED		TOTAL CURRENT OUTPUT : 0.5 A RECOMMENDED OVERDRIVE CURRENT : 1 A (36 V) ** OPTIMUM FOR SINGLE COLOUR
 SINGLE COLOUR : GREEN		TOTAL CURRENT OUTPUT : 0.4 A RECOMMENDED OVERDRIVE CURRENT : 1.17 A (36 V) ** OPTIMUM FOR SINGLE COLOUR
 SINGLE COLOUR : BLUE		TOTAL CURRENT OUTPUT : 0.45 A RECOMMENDED OVERDRIVE CURRENT : 1.21 A (36 V) ** OPTIMUM FOR SINGLE COLOUR
 COMBINE 2 COLOUR: RED & BLUE		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : RED = 0.25 A , BLUE = 0.25 A) ****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.5 A , BLUE = 0.5 A) FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C ENSURE CURRENT MUST NOT EXCEED 0.5 A 
 COMBINE 2 COLOUR: RED & GREEN		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : RED = 0.25 A , GREEN = 0.25 A) FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C ENSURE CURRENT MUST NOT EXCEED 0.5 A 
 COMBINE 2 COLOUR: GREEN & BLUE		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : GREEN = 0.25 A , BLUE = 0.25 A) ****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.5 A , BLUE = 0.5 A) FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C ENSURE CURRENT MUST NOT EXCEED 0.5 A 
 COMBINE COLOUR: RED, GREEN & BLUE		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : RED = 0.16 A , GREEN = 0.16 A , BLUE = 0.16 A) ****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.33 A , GREEN = 0.33 A , BLUE = 0.33 A) FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C ENSURE CURRENT MUST NOT EXCEED 0.5 A 



# ILLUMINATOR DATA

## LTZPFL120-00-6-RGB-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%	