

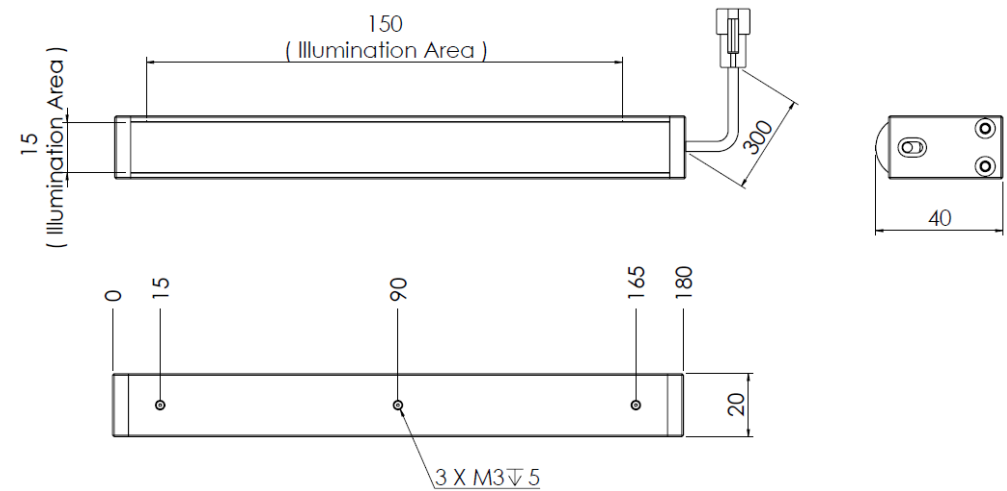
# Line Light

## FLLN-i150

### Lighting Picture



### Lighting Dimension



Unit in mm


Mechanical Information	
Casing Material	Aluminum + Acrylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	240 g
Lighting Dimension, WxLxH	20.0 x 180.0 x 40.0mm
IP Rating	IP 30

Optical Information		
Led Color	RED (R24)	WHITE (W)
Wavelength	xy=(0.7,0.299)	xy=(0.31,0.32)
Illumination (number of LED)	18	18
Illumination Area	150 x 15 mm	
Led Package	P4	
Eye Safety (EN 62471:2008)	Exempt Group	

Electrical Information		R24	W
Lighting Supply Voltage (constant voltage mode)		24V ± 2%	
Supply Ripple Voltage		≤ Vs ± 5%	
Reverse Battery Protection		YES	
Typical Lighting Forward voltage, Vf (for zero internal resistor value)		19.8 V	18.0 V
Continuous Current		0.10A(MAX)	0.30 A(MAX)
Power Consumption		2.40 W	7.20 W
Lighting casing temperature, Operating after 60 minutes		40°C	48°C

Strobe Mode Specification		R24	W
Max. Lighting Supply Voltage (Constant voltage power supply)		Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC	
Pulse Current, (Max. 10msec) (Constant current power supply)		0.25A(MAX)	0.75A(MAX)
Max. Trigger Pulse Duration, msec		10 msec	
Duty Cycle		0 - 10%	

Ordering Option	
FLLN-i150-R24/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLLN-i150-R24/W-0	Internal resistor value= zero ohms (only use in constant current power supply)

Connection		R24/W	
Connector Type (Default):	JST SMR-03V		
	Pin	Signal	Cable Color
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
Cable Length out from lighting:	300 mm		

Additional Information		R24/W	
Additional Cooling Method	Attached to machine part for better heat dissipation		
Life span in continuous mode	20,000 hours		
Life span in strobe light mode Lighting drop to 50% intensity (at 25°C ambient temperature)	50,000 hours		
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series		
CE Conformity	YES		
RoHS Compliance	YES		
ISO 9001:2008	SG11/03751		

Application	
Optimal Working Distance	10-100 mm

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