

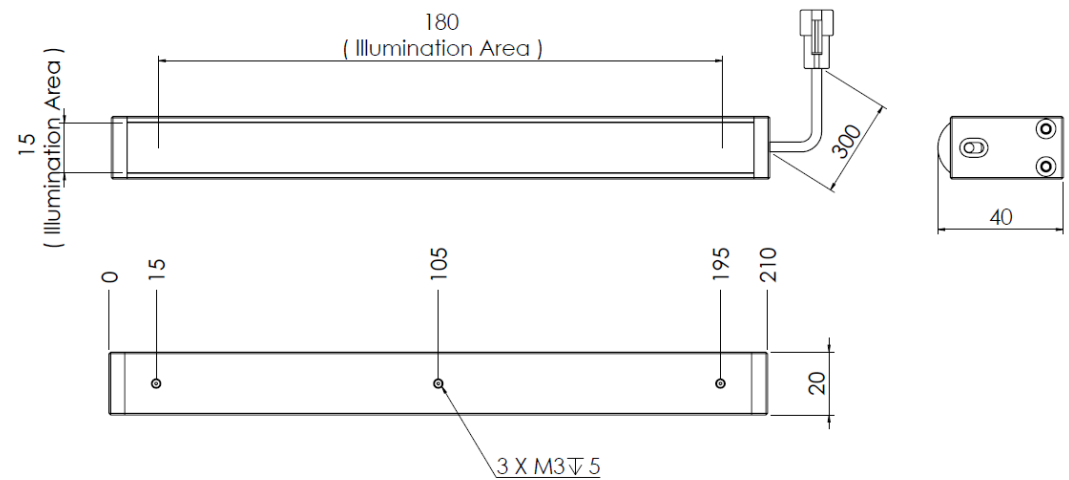
# Line Light

## FLLN-i180

### Lighting Picture



### Lighting Dimension



Mechanical Information	
Casing Material	Aluminum + Acrylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	260 g
Lighting Dimension, WxLxH	20.0 x 210.0 x 40.0mm
IP Rating	IP 30


Unit in mm

Optical Information		
Led Color	RED (R24)	WHITE (W)
Wavelength	xy=(0.7,0.299)	xy=(0.31,0.32)
Illumination (number of LED)	20	21
Illumination Area	180 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)	22.0 V	21.0 V
Continuous Current	0.10A(MAX)	0.15A(MAX)
Power Consumption	2.40 W	3.60 W
Lighting casing temperature, Operating after 60 minutes	33°C	34°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)	0.38A(MAX)
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FLLN-i180-R24/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLLN-i180-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	50,000 hours		
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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