

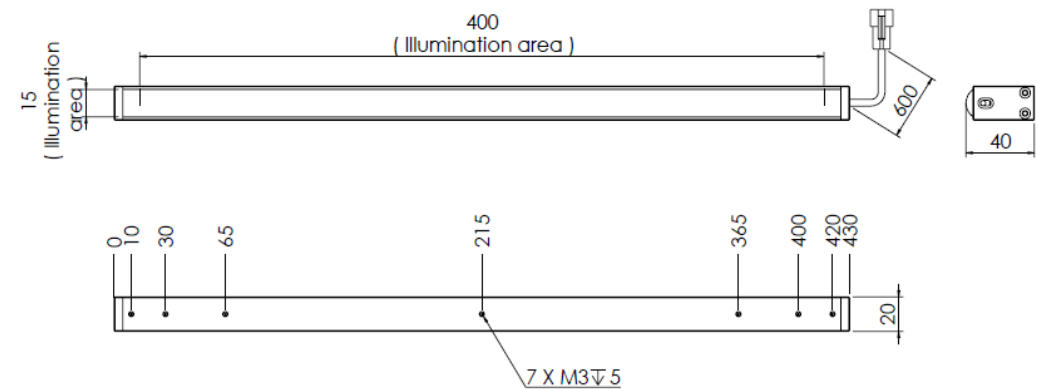
Line Light

FLLN-i400

Lighting Picture



Lighting Dimension



Unit in mm


Mechanical Information	
Casing Material	Aluminum + Acrylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	540 g
Lighting Dimension, WxLxH	20.0 x 430.0 x 40.0mm
IP Rating	IP 30

Optical Information				
Led Color	RED (R24)	INFRARED (IR24)	WHITE (W)	Ultra Violet (UV24)
Wavelength	xy=(0.7,0.299)	880nm	xy=(0.31,0.32)	375nm
Illumination (number of LED)	48	45	49	105
Illumination Area	400 x 15 mm			
Led Package	P4			SMD
Eye Safety (EN 62471:2008)	Exempt Group			RG-3 (High Risk): Caution. Do not look at exposed lamp in operation. Eye injury can result.

Electrical Information	R24	IR24	W	UV24
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	22.5 V	21.0 V	23.0 V
Continuous Current	0.30A(MAX)	0.60A(MAX)	0.35A(MAX)	0.30A(MAX)
Power Consumption	7.20 W	14.40 W	8.40 W	7.20 W
Lighting casing temperature, Operating after 60 minutes	34°C	34°C	36°C	40°C

Strobe Mode Specification	R24	IR24	W	UV24
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)	0.75A(MAX)	1.50A(MAX)	0.88A(MAX)	0.75A(MAX)
Max. Trigger Pulse Duration, msec	10 msec			
Duty Cycle	0 - 10%			

Ordering Option	
FLLN-i400-R24/IR24/W FLLN-Si400-UV24	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLLN-i400-R24/IR24/W-0 FLLN-Si400-UV24-0	Internal resistor value= zero ohms (only use in constant current power supply)

Connection		R24/IR24/W/UV24	
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:	600 mm		

Additional Information	R24/W/IR24	UV24
Additional Cooling Method	Attached to machine part for better heat dissipation	
Life span in continuous mode	20,000 hours	10,000 hours
Life span in strobe light mode	50,000 hours	25,000 hours
Lighting drop to 50% intensity (at 25°C ambient temperature)		
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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