

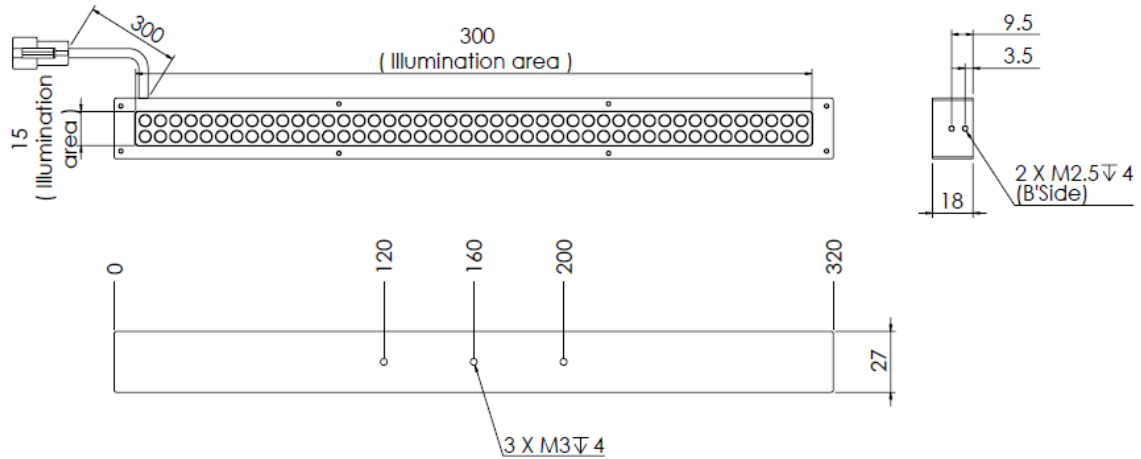
UV Bar Light

FLDL-i300x15-UV

Lighting Picture





Lighting Dimension



All unit in mm

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	310 g
Lighting Dimension, WxLxH	27.0 x 320.0 x 18.0 mm
IP Rating	N/A



Optical Information						
Led Color	Ultra Violet, UV375			Ultra Violet, UV400		
Wavelength	375nm			400nm		
Number of LED	90					
Illumination Area	300 x15 mm					
Led Package	T1 ¾ 5 mm					
Eye Safety (EN 62471:2008)	RG3 (High Risk): Caution. Do not look at exposed lamp in operation. May result in eye injury					
Electrical Information						
	UV12-375, UV12-400			UV24-375, UV24-400		
Lighting Supply Voltage (constant voltage mode)	12V ± 2%			24V ± 2%		
Supply Ripple Voltage	≤ Vs ± 5%					
Reverse Battery Protection	YES					
Lighting Forward voltage, (for zero internal resistor value)	10.8 V			21.6V		
Continuous Current	0.60A (MAX)			0.30A (MAX)		
Power Consumption	7.20 Watts					
Lighting casing temperature, Operating after 60 minutes	42°C					
Strobe Mode Specification						
	UV12-375, UV12-400			UV24-375, UV24-400		
Max. Lighting Supply Voltage (Constant voltage power supply)	Pulsing at 12VDC to 24VDC, 0-10% Duty Cycle Recommended at 15VDC			Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC		
Pulse Current, (Max. 10msec) (Constant current power supply)	1.50 A (MAX)			0.75 A (MAX)		
Max. Trigger Pulse Duration, msec	10 msec					
Duty Cycle	0 - 10%					
Additional Information						
Additional Cooling Method	Attached to machine part for better heat dissipation					
Life span in continuous mode	5,000 hours (drop to 50% intensity) at 25°C					
Life span in strobe light mode	Est. >10,000 hours (drop to 50% intensity) at 25°C					
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series					
CE Conformity	YES					
RoHS Compliance	YES					
ISO 9001:2008	SG11/03751					
Ordering Option						
FLDL-i300x15-UV12-375, UV24-375 FLDL-i300x15-UV12-400, UV24-400	With resistor to limit the current (Use with both constant voltage/ current power supply)					
FLDL-i300x15-UV12-375-0, UV24-375-0 FLDL-i300x15-UV12-400-0, UV24-400-0	Internal resistor value= zero ohms (only use with constant current power supply)					
Connection						
	UV12-375, UV12-400			UV24-375, UV24-400		
Connector Type (Default):	JST SMR-02V			JST SMR-03V		
Cable Length out from lighting:	300 mm					
Pin Configuration:	Pin	Signal	Cable Color	Pin	Signal	Cable Color
	1	LED +	Black/White	1	LED +	Black/White
	2	LED -	Black	2	N.C.	---
				3	LED -	Black
						
Application						
Optimal Working Distance	0-100mm					



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