

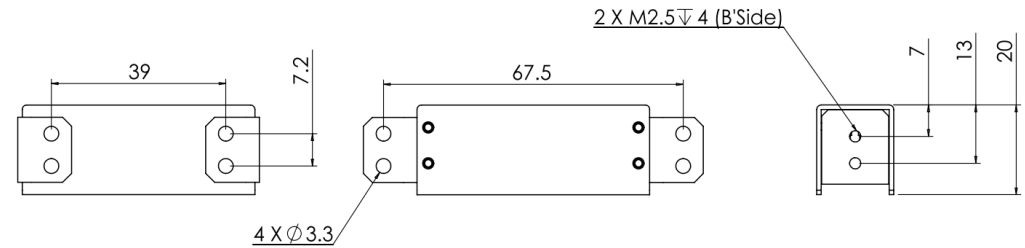
UV Bar Light

FLDL-i44X15-UV

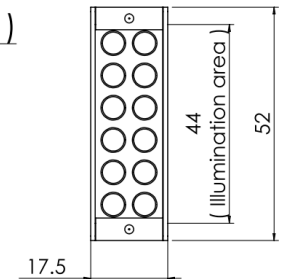
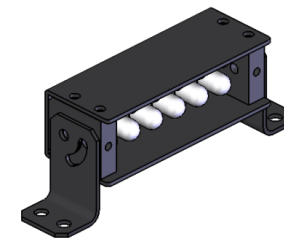
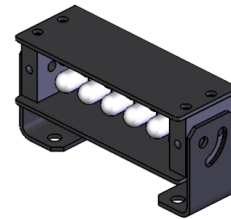
Lighting Picture



Lighting Dimension



FLDL-i44X15-UV with Mounting Brackets (Optional)



Mechanical Information	
Casing Material	Metal
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	40 g
Lighting Dimension, WxLxH	17.5 x 52.0 x 20.0 mm
IP Rating	N/A

NOTE : UV light come without diffuser

Unit in mm





Optical Information	
Led Color	Ultra Violet (UV12-375/UV12-400 / UV24-375/UV24-400)
Wavelength	375nm / 400nm
Illumination (number of LED)	12
Illumination Area	44 x15 mm
Led Package	T1 ¼ 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	
Typical Lighting Forward voltage, Vf (for zero internal resistor value)	10.5V	21.0V
Continuous Current	0.08A (MAX)	0.04A(MAX)
Power Consumption	0.96 W	0.96 W
Lighting casing temperature, Operating after 60 minutes	41°C	39°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)	0.20A(MAX)	0.10A(MAX)
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FLDL-i44x15-UV12-375/UV12-400/UV24-375/UV24-400	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-i44x15- UV12-375/UV12-400/UV24-375/UV24-400-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		UV12-375/UV12-400				UV24-375/UV24-400			
Connector Type (Default):		JST SMR-02V				JST SMR-03V			
	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		
Cable Length out from lighting:		300 mm							

Additional Information	UV12-375/UV12-400 UV24-375/UV24-400
Additional Cooling Method	Attached to machine part for better heat dissipation
Life span in continuous mode	5,000 hours
Life span in strobe light mode Lighting drop to 50% intensity (at 25°C ambient temperature)	10,000 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	0-100 mm



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