

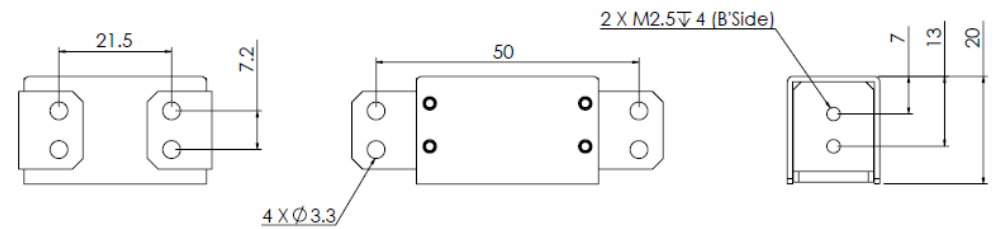
# Bar Light

## FLDL-i24X15

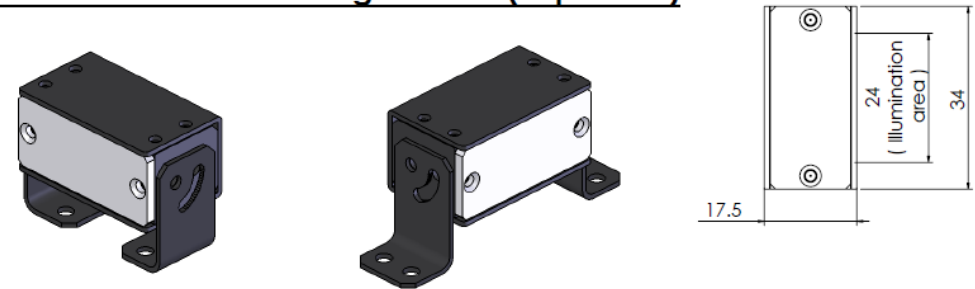
### Lighting Picture



### Lighting Dimension



### FLDL-i24X15 with Mounting Bracket ( Optional )



Mechanical Information	
Casing Material	Metal + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	30g
Lighting Dimension, WxLxH	17.5 x 34.0 x 20.0 mm
IP Rating	IP 30

Unit in mm

Optical Information					
Led Color	RED (SR/SR24)	InfraRed (IR/IR24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	626nm	875nm	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	18/11	14/15	14	14	14
Illumination Area	24 x15 mm				
Led Package	T1 3mm				
Eye Safety (EN 62471:2008)	Exempt Group				

Electrical Information		SR	IR	SR24	IR24	G/B/W
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)	11.4V	9.8V	22.0V	21.0 V	21.0 V	
Continuous Current	0.06A(MAX)	0.05A(MAX)	0.03A(MAX)	0.03A(MAX)	0.04A(MAX)	
Power Consumption	0.72 W	0.60 W	0.72 W	0.60 W	0.96 W	
Lighting casing temperature, Operating after 60 minutes	34°C	38°C	34°C	38°C	41°C	

Strobe Mode Specification		SR	IR	SR24	IR24	G/B/W
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)	0.15A(MAX)	0.13A(MAX)	0.08A(MAX)	0.06A(MAX)	0.10A(MAX)	
Max. Trigger Pulse Duration, msec	10 msec					
Duty Cycle	0 - 10%					

Ordering Option	
FLDL-i24x15-SR/SR24/IR/IR24/G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-i24x15-SR/SR24/IR/IR24/G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		SR/IR			SR24/IR24/G/B/W			
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:		300mm						

Additional Information	SR/SR24/G/B/W/IR/IR24
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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