

Bar Light

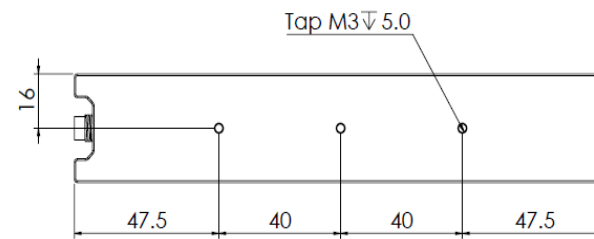
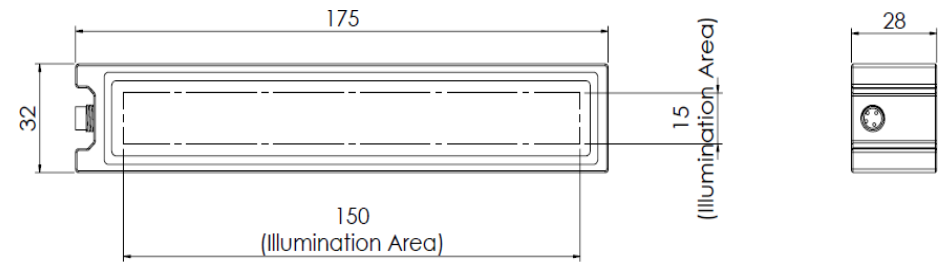


FLDL-i150x15-IP67

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminum + Diffuser
Weight	305g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension Ø x IØ x HØ	32.0 x 175.0 x 28.0 mm
IP Rating	IP 67

Unit in mm



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Led	RED(SR/SR24)	InfraRed(IR24)	GREEN(G/G12)	BLUE(B/B12)	WHITE(W/W12)
Colour					
Optical Information					
Wavelength / Color temperature	626nm	850nm	525nm	470nm	xy=(0.31,0.32)
Illumination (Number of LED)	90/90	90	91/90	91/90	91/90
Illumination Area	150 x 15 mm				
Led Package	T1 3mm				
Eye Safety (EN 62471:2008)	Exempt Group				
Optimal Working Distance	0-100 mm				

Continuous Mode	Voltage Drive (With resistor)					Current Drive (Without resistor)			
	SR	G12/B12/W12	SR24	IR24	G/B/W	SR	SR24	IR24	G/B/W
Supply Voltage To Controller	12VDC ± 2%		24 VDC ± 2%			11VDC ± 2%	21VDC ± 2%	22VDC ± 2%	22VDC ± 2%
Lighting Forward Voltage, Vf	10.0 V	9.0 V	20.0 V	21.0 V	21.0 V	10.0 V	20.0 V	21.0 V	21.0 V
Max. Current	0.54A (MAX)	0.60A (MAX)	0.27A (MAX)	0.15A (MAX)	0.26A (MAX)	0.54A (MAX)	0.27A (MAX)	0.15A (MAX)	0.26A (MAX)
Max. Power	6.48 W	7.20 W	6.48 W	3.60 W	6.24 W	5.94 W	5.67 W	3.30 W	5.72 W

Strobe Mode	Voltage Drive					Current Drive			
	SR	G12/B12/W12	SR24	IR24	G/B/W	SR	SR24	IR24	G/B/W
Max. Lighting Supply Voltage	Pulsing at 12VDC to 24VDC, 0-10% Duty Cycle Recommended at 18VDC		Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC			Pulsing at VDC 11	Pulsing at VDC 21	Pulsing at VDC 22	Pulsing at VDC 22
Max. Current	1.35A (MAX)	1.50A (MAX)	0.68A (MAX)	0.38A (MAX)	0.65A (MAX)	1.35A (MAX)	0.68A (MAX)	0.38A (MAX)	0.65A (MAX)
Max. Trigger Pulse Duration	10 msec								
Duty Cycle	< 10%								

Ordering Part Number	Controller Type	Description
FLDL-i150x15-SR/SR24/IR24/G12/G/B12/B/W12/G/B/W-IP67	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDL-i150x15-SR/SR24/IR24/G12/G/B12/B/W12/G/B/W-IP67	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection		IR24/G/B/W	
Connector Type (Default):		Pico M8 male	
	Pin	Signal	
	1	LED +	
	2	N.C.	
	3	LED -	
	4	N.C.	

Additional Information	Details
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
Supply Ripple Voltage	$\leq V_s \pm 5\%$
Reverse Battery Protection	YES
Cooling Method	Natural air-cooling
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series
CE Conformity	YES
ISO 9001:2015	SG11/03751



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