

High Brightness Diffuse Back Light

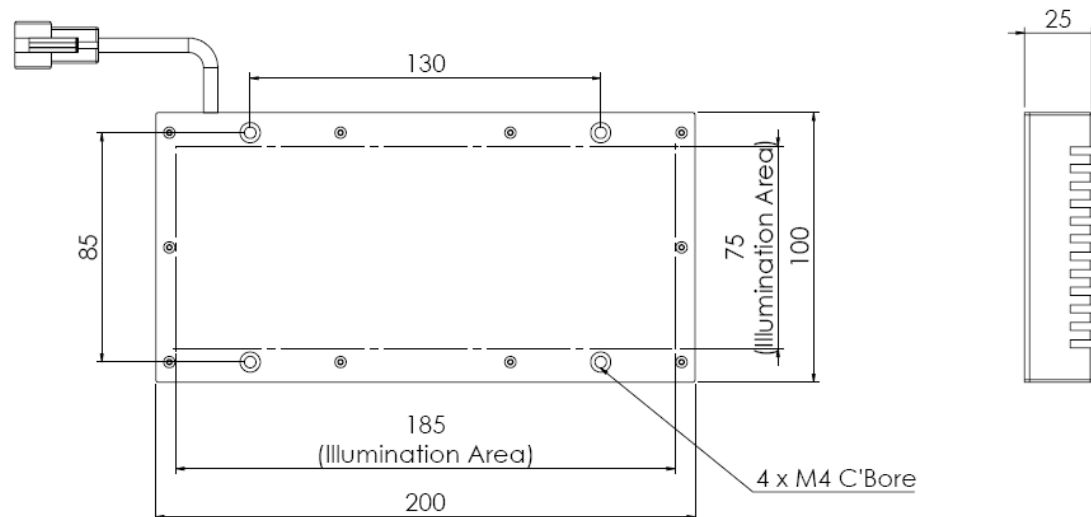


FLDL-TP-Si185x75

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser
Weight	710g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension W x L x H	100.0 x 200.0 x 25.0 mm
IP Rating	N/A



Led Colour	RED (R24)	InfraRed (IR24)
Optical Information		
Wavelength / Color temperature	626nm	875nm
Illumination (Number of LED)	230	
Illumination Area	185 x 75mm	
Led Package	SMD	
Eye Safety (EN 62471:2008)	Exempt Group	
Optimal Working Distance	0-100 mm	

Continuous Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	R24	IR24	R24	IR24
Supply Voltage To Controller	24VDC $\pm$ 2%		21VDC $\pm$ 2%	22VDC $\pm$ 2%
Lighting Forward Voltage, Vf	20Vf	21Vf	20Vf	21Vf
Max. Current	0.92A (MAX)	0.40A (MAX)	0.92A (MAX)	0.40A (MAX)
Max. Power	22.08W	9.60W	19.32W	8.80W

Strobe Mode	Voltage Drive		Current Drive	
	R24	IR24	R24	IR24
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 21VDC	Pulsing at 22VDC
Max. Current	0.92 – 2.30A (MAX)	0.40 – 1.00A (MAX)	0.92 – 2.30A (MAX)	0.40 – 1.00A (MAX)
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			

Ordering Part Number	Controller Type	Description
FLDL-TP-Si185x75- R24/IR24	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDL-TP-Si185x75- R24/IR24-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection	R24/IR24			
Connector Type (Default):	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	2	N.C.	---	
	3	LED -	Black	
Cable Length out from lighting:	300 mm			

Additional Information	Details
Life span in continuous mode	20,000 hours
Life span in strobe light mode	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	MY21/1811030613



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