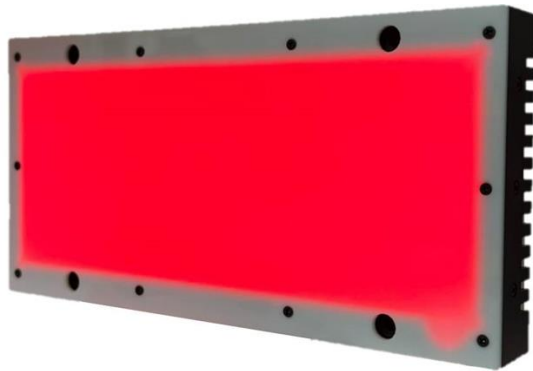


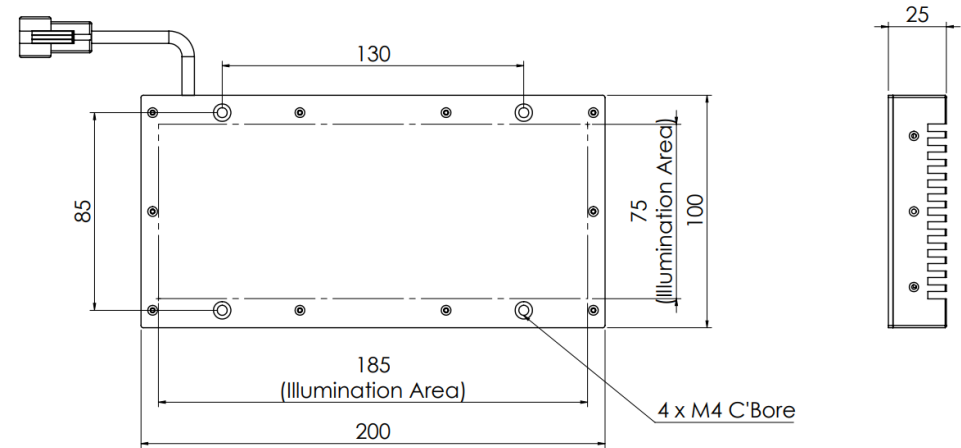
High Brightness Diffuse Back Light

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	IP40




Led Colour	RED(R24)
Optical Information	
Wavelength / Color temperature	626nm
Illumination (Number of LED)	230
Illumination Area	185 x 75 mm
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	R24
Supply Voltage To Controller	24VDC \pm 2%	21VDC \pm 2%
Lighting Forward Voltage, Vf	20.0 V	20.0 V
Max. Current	0.92A (MAX)	0.92A (MAX)
Max. Power	22.08W	19.32W

Strobe Mode	Voltage Drive	Current Drive
	R24	R24
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 21VDC
Max. Current	0.92A – 2.30A (MAX)	0.92A – 2.30A (MAX)
Max. Power	22.08W – 11.04W	19.32W – 48.30W
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

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



Connection		(Voltage & Current drive)	
Connector Type (Default):	Pin	Signal	Cable Color
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
			
Cable Length out from lighting:	200 mm		
Additional Information		Details	
Life span in continuous mode	20,000 hours		
Life span in strobe light mode	50,000 hours		
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	MY11/00845		



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