

# High Brightness Diffuse Back Light

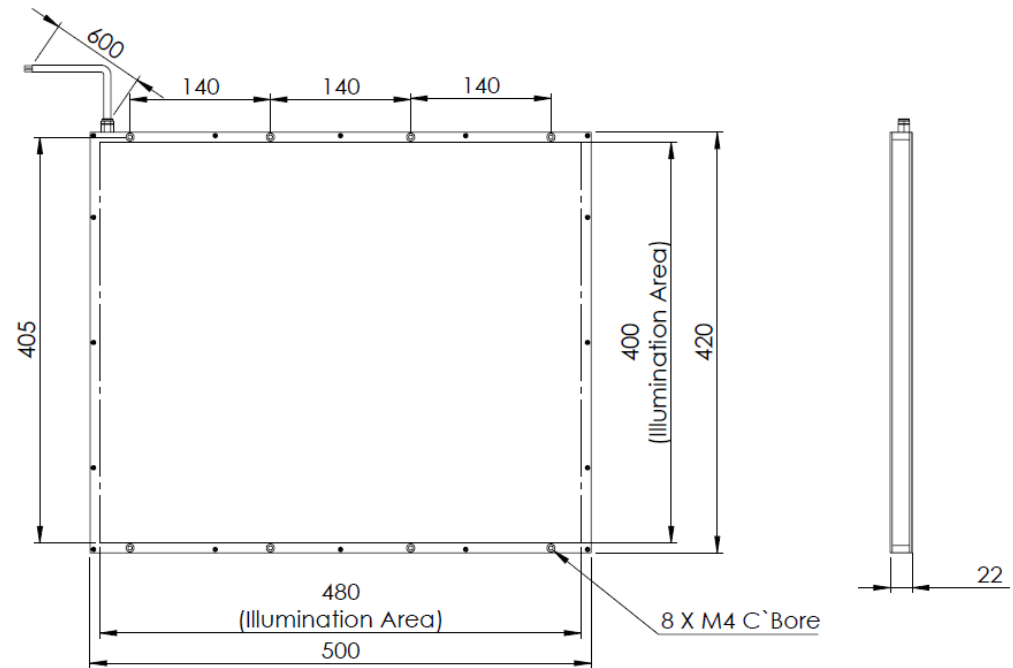


## FLDL-TP-Si480x400

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser
Weight	4200g
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	500.0 x 420.0 x 22.0 mm
IP Rating	N/A



Led Colour	WHITE (W)
<b>Optical Information</b>	
Wavelength / Color temperature	xy=(0.31,0.32)
Illumination (Number of LED)	3388
Illumination Area	480 x 400 mm
Led Package	SMD
Eye Safety (EN 62471:2008)	Exempt Group
Optimal Working Distance	5-100 mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	W	W
Supply Voltage To Controller	24VDC ± 2%	23VDC ± 2%
Lighting Forward Voltage, Vf	22.0 V	22.0 V
Max. Current	9.68A (MAX)	9.68A (MAX)
Max. Power	232.32W	222.64W
Lighting casing temperature, Operating after 60 minutes	65°C	

Strobe Mode	Voltage Drive	Current Drive
	W	W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 23VDC
Max. Current	24.20A (MAX)	24.20A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLDL-TP-Si480x400-W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDL-TP-Si480x400-W-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection			
Connector Type (Default):	Pin	Signal	Cable Color
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
Cable Length out from lighting:		600mm	

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	MY11/00845



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