

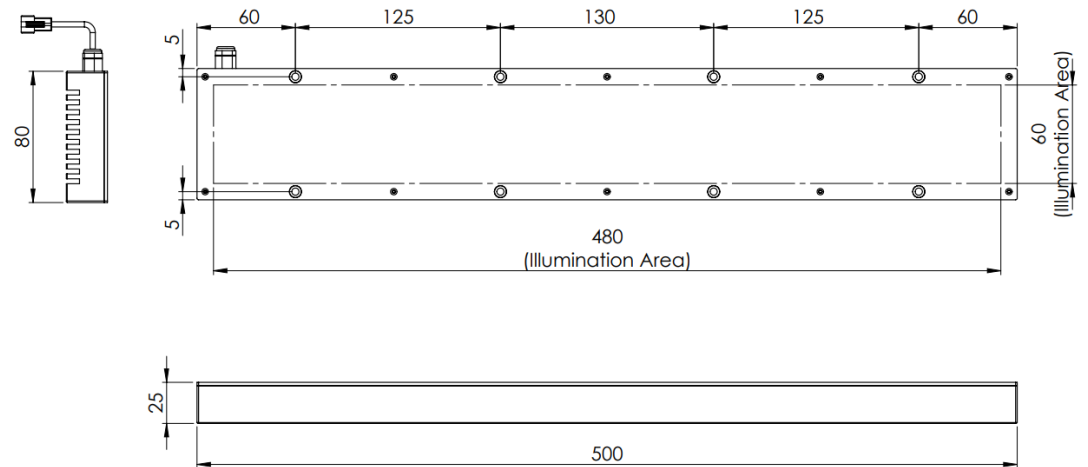
# High Brightness Diffuse Back Light

## **FLDL-TP-Si480x60**

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser
Weight	1400g
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	80.0 x 500.00 x 25.00 mm
IP Rating	N/A



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**FLDL-TP-Si480x60**

Led Colour	GREEN (G)	BLUE (B)	WHITE (W)
<b>Optical Information</b>			
Wavelength / Color temperature	525nm	470nm	Xy=(0.31,0.32)
Illumination (Number of LED)	544		
Illumination Area	480 x 30 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)
	G/B/W	G/B/W
Supply Voltage To Controller	24VDC ± 2%	22.60VDC ± 2%
Lighting Forward Voltage, Vf	Vf = 22V	Vf =21.60V
Max. Current	1.36A (MAX)	1.36A(MAX)
Max. Power	32.64W	30.74W

Strobe Mode	Voltage Drive	Current Drive
	G/B/W	G/B/W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 22.6VDC
Max. Current	3.40A (MAX)	3.40A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLDL-TP-Si480x60-G/B/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDL-TP-Si480x60-G/B/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:			600 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	MY11/00845



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