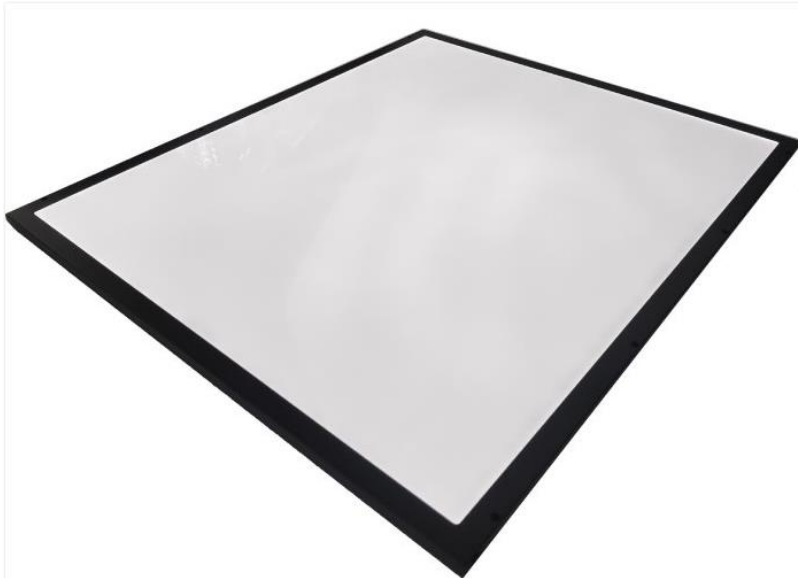


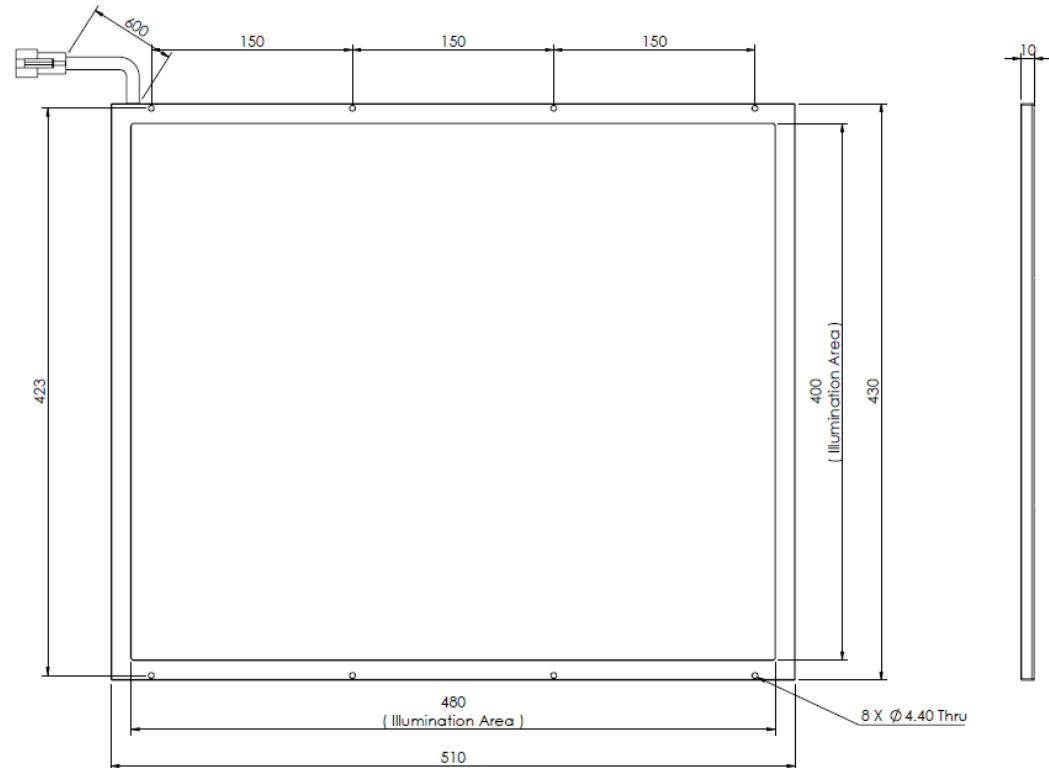
Diffuse Back Light

FLFL-Si480x400

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Arcylic
Weight	7200g
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	430.0 x 510.0 x 10.0 mm
IP Rating	IP40



Led Colour	WHITE(W)
Optical Information	
Wavelength / Color temperature	xy=(0.31,0.32)
Illumination (Number of LED)	672
Illumination Area	480 x 400mm
Led Package	SMD
Eye Safety (EN 62471:2008)	Exempt Group
Optimal Working Distance	10-100 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	1.24A (MAX)	1.24A (MAX)
Max. Power	29.76W	28.52W

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	3.10A (MAX)	3.10A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLFL-Si480x400-W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLFL-Si480x400-W-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:		600 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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