

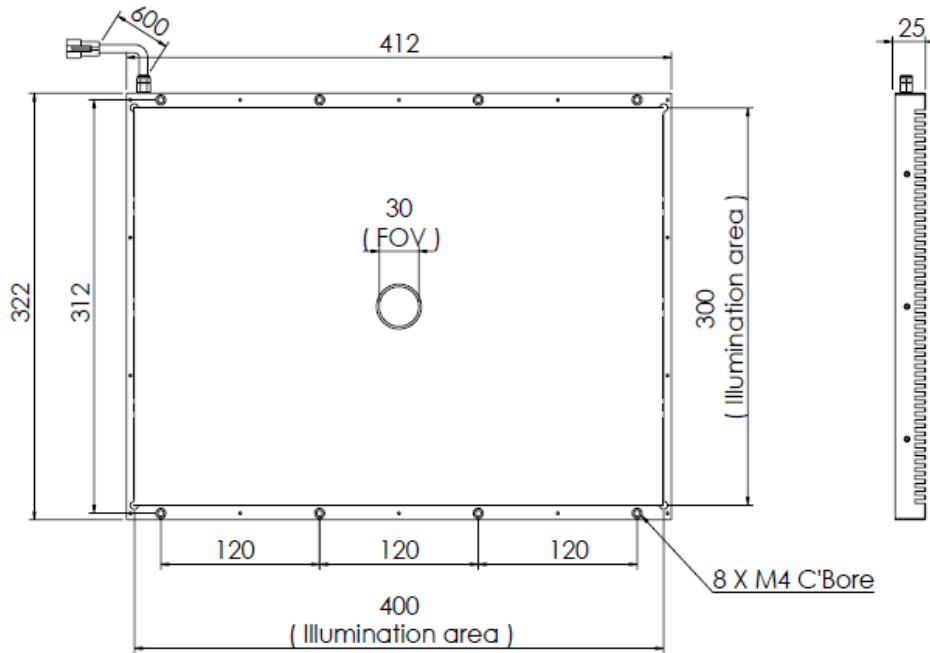
High Brightness Diffuse Back Light

 **FLDL-TP-Si400X300-C30**

Lighting Picture




Lighting Dimension



All unit in mm

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	3870g
Lighting Dimension, WxLxH	412 x 322 x 25 mm
IP Rating	IP 50



Optical Information			
Led Color	Infrared (IR24)		
Wavelength	850nm		
Illumination (number of LED)	2208		
Illumination Area	400 x 300 mm		
Led Package	SMD		
Eye Safety (EN 62471:2008)	Exempt Group		
Electrical Information			
	IR24		
Lighting Supply Voltage (constant voltage mode)	24V ± 2%		
Lighting Forward voltage, (for zero internal resistor value)	22.4 V		
Reverse Battery Protection	YES		
Supply Ripple Voltage	≤ Vs ± 5%		
Continuous Current	3.45 A (MAX)		
Power Consumption	82.80 Watts		
Lighting casing temperature, Operating after 60 minutes	43°C		
Strobe Mode Specification			
	IR24		
Max. Lighting Supply Voltage (Constant voltage power supply)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC		
Pulse Current, (Max. 10msec) (Constant current power supply)	8.63 A (MAX)		
Max. Trigger Pulse Duration, msec	10 msec		
Duty Cycle	0 to 10%		
Additional Information			
Additional Cooling Method	Attached to machine part for better heat dissipation		
Life span in continuous mode	20,000 hours (drop to 50% intensity) at 25°C		
Life span in strobe light mode	Est. >50,000 hours (drop to 50% intensity) at 25°C		
Intensity Controller Selection	PSA-Series, PSD Series, LIC-Series		
CE Conformity	YES		
RoHS Compliance	YES		
ISO 9001:2008	SG11/03751		
Ordering Option			
FLDL-TP-Si400X300-C30-IR24	With resistor to limit the current (Use with both constant voltage/ current power supply)		
FLDL-TP-Si400X300-C30-IR24-0	Internal resistor value= zero ohms (only use with constant current power supply)		
Connection			
	IR24		
Connector Type:	JST SMR-03V		
Cable Length out from lighting:	600 mm		
Pin Configuration:	Pin	Signal	Cable Color
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
			
Application			
Optimal Working Distance	5-100mm		



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