

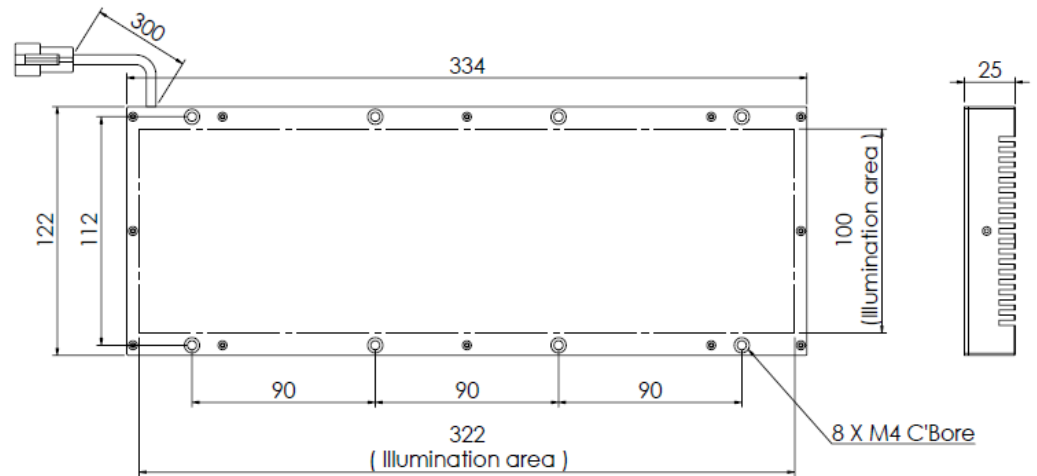
High Brightness Diffuse Back Light

FLDL-TP-Si320X100

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	1400g
Lighting Dimension, WxLxH	334.0 x 122.0 x 25.0 mm
IP Rating	IP50

Unit in mm




Optical Information	
Led Color	InfraRed (IR24)
Wavelength	850nm
Illumination (number of LED)	686
Illumination Area	322 x 100 mm
Led Package	SMD
Eye Safety (EN 62471:2008)	Exempt Group

Electrical Information	
	IR24
Lighting Supply Voltage (constant voltage mode)	24V ± 2%
Supply Ripple Voltage	≤ Vs ± 5%
Reverse Battery Protection	YES
Typical Lighting Forward voltage, Vf (for zero internal resistor value)	19.6 V
Continuous Current	1.23A (MAX)
Power Consumption	29.40 W
Lighting casing temperature, Operating after 60 minutes	55°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)	3.06A (MAX)
Max. Trigger Pulse Duration, msec	10 msec
Duty Cycle	0 - 10%

Ordering Option	
FLDL-TP-Si320x100-IR24	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-TP-Si320X100-IR24-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		IR24		
Connector Type (Default):	JST SMR-03V			
	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	2	N.C.	---	
	3	LED -	Black	
Cable Length out from lighting:	300 mm			

Additional Information		IR24		
Additional Cooling Method	Attached to machine part for better heat dissipation			
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			
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series			
CE Conformity	YES			
RoHS Compliance	YES			
ISO 9001:2008	SG11/03751			

Application	
Optimal Working Distance	5-100 mm



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