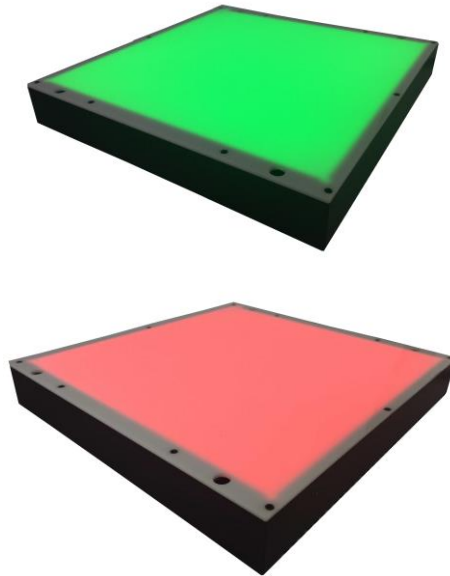


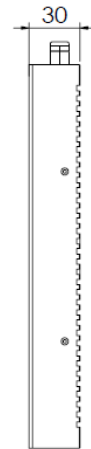
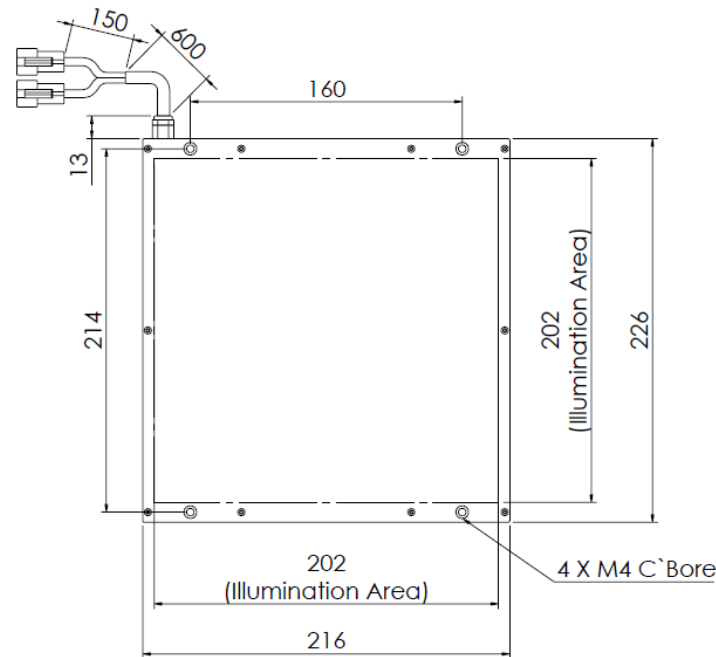
High Brightness Diffuse Back Light

FLDL-TP-Si200-2C

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser
Weight	3240g
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	216.0 x 226.0 x 30.0 mm
IP Rating	N/A



Led Colour	RED(R24)	InfraRed (IR24)	GREEN (G)	BLUE (B)	WHITE (W)
Optical Information					
Wavelength / Color temperature	626nm	850nm	525nm	470nm	xy=(0.31,0.32)
Illumination (Number of LED)	451	450		448	
Illumination Area	202 x 202mm				
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)		
	R24	IR24	G/B/W	R24	IR24	G/B/W
Supply Voltage To Controller	24VDC \pm 2%			23VDC \pm 2%	22VDC \pm 2%	22VDC \pm 2%
Lighting Forward Voltage, Vf	22.0 V	21.0V	21.0 V	22.0 V	21.0V	21.0 V
Max. Current	0.82A (MAX)	0.60A (MAX)	0.14A (MAX)	0.82A (MAX)	0.60A (MAX)	0.14A (MAX)
Max. Power	19.68W	14.40W	3.36W	18.86W	13.20W	13.20W

Strobe Mode	Voltage Drive			Current Drive		
	R24	IR24	G/B/W	R24	IR24	G/B/W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC			Pulsing at 23VDC	Pulsing at 22VDC	Pulsing at 22VDC
Max. Current	2.05A (MAX)	1.50A (MAX)	1.50A (MAX)	2.05A (MAX)	1.50A (MAX)	1.50A (MAX)
Max. Trigger Pulse Duration	10 msec					
Duty Cycle	< 10%					

Ordering Part Number	Controller Type	Description
FLDL-TP-Si200-2C-IR-R24	Voltage Drive	With Resistor
FLDL-TP-Si200-2C-G-IR24		(Use in both constant voltage/ current power supply)
FLDL-TP-Si200-2C-IR-R24-0	Current Drive	Without Resistor (0 Ohm)
FLDL-TP-Si200-2C-G-IR24-0		(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:		750 mm		



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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