

# Coaxial Light

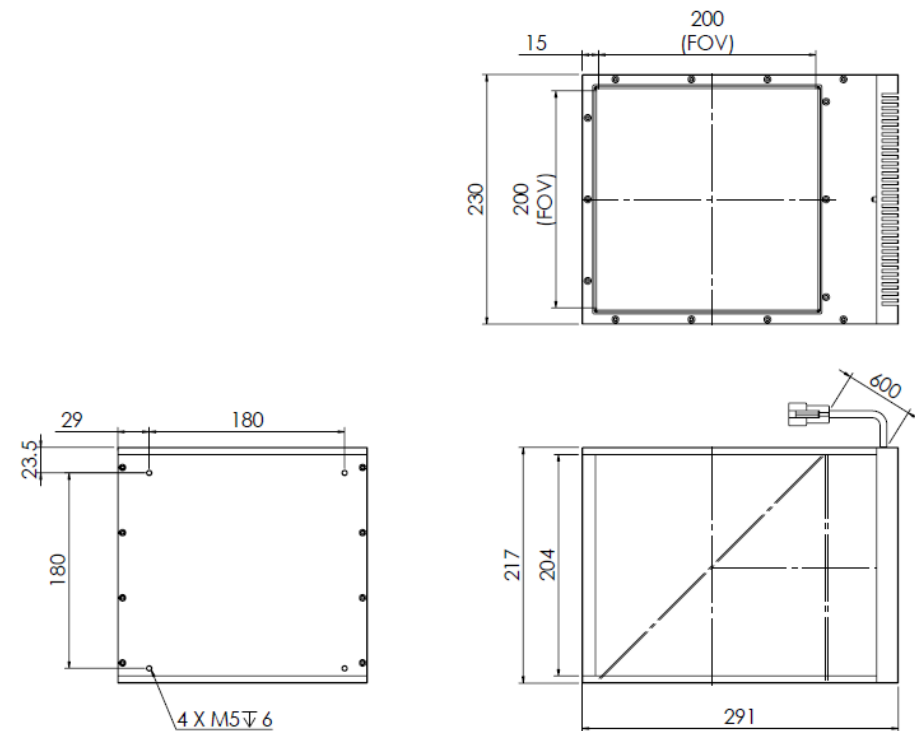
## **FLFV-i200**

### Lighting Picture



### Lighting Dimension

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	8775g
Lighting Dimension WxLxH	230.0 x 291.0 x 217.0 mm
IP Rating	IP30




Unit in mm

Optical Information			
Led Color	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	322	322	322
Illumination Area	200 x 200 mm		
Led Package	P4		
Eye Safety (EN 62471:2008)	Exempt Group		

Electrical Information	G	B/W
Lighting Supply Voltage (constant voltage mode)	24V ± 2%	
Supply Ripple Voltage	≤ Vs ± 5%	
Reverse Battery Protection	YES	
Lighting Forward voltage, (for zero internal resistor value)	21.0 V	21.0 V
Continuous Current	1.38A (MAX)	2.30A (MAX)
Power Consumption	33.12 W	55.20 W
Lighting casing temperature, Operating after 60 minutes	39°C	39°C

Strobe Mode Specification	G	B/W
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)	3.45A (MAX)	5.75A (MAX)
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FLFV-i200-G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDR-i200-G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)

Connection		G/B/W	
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:	600 mm		

Additional Information		G/B/W	
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 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	0-30 mm

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