

Dome Light

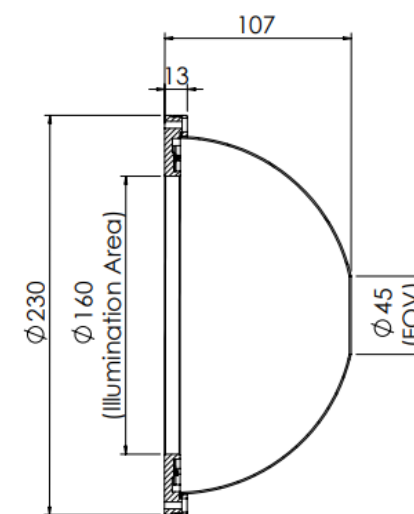
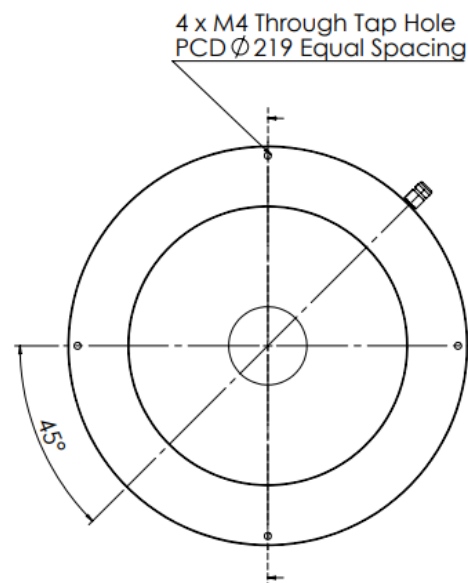


FLDM-Si200-R24

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium
Weight	700g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension, ØxH	Ø230.0 x 107mm
IP Rating	N/A



FLDM-Si200

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
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Led Colour	RED (R24)
Optical Information	
Wavelength / Color temperature	626nm
Illumination (Number of LED)	60
Illumination Area	Ø160mm
Led Package	SMD
Eye Safety (EN 62471:2008)	Exempt Group
Optimal Working Distance	0 – 30mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	R24	R24
Supply Voltage To Controller	24VDC \pm 2%	21VDC \pm 2%
Lighting Forward Voltage, Vf	Vf= 20V	Vf= 20V
Max. Current	0.60A (MAX)	0.60A (MAX)
Max. Power	14.40W	13.80W

Strobe Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	R24	R24
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 21VDC
Max. Current	1.50A (MAX)	1.50A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLDM-Si200-R24	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDM-Si200-R24-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection				
Connector Type (Default):	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	2	N.C.	---	
	3	LED -	Black	
	Cable Length out from lighting:			

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	MY05916



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