

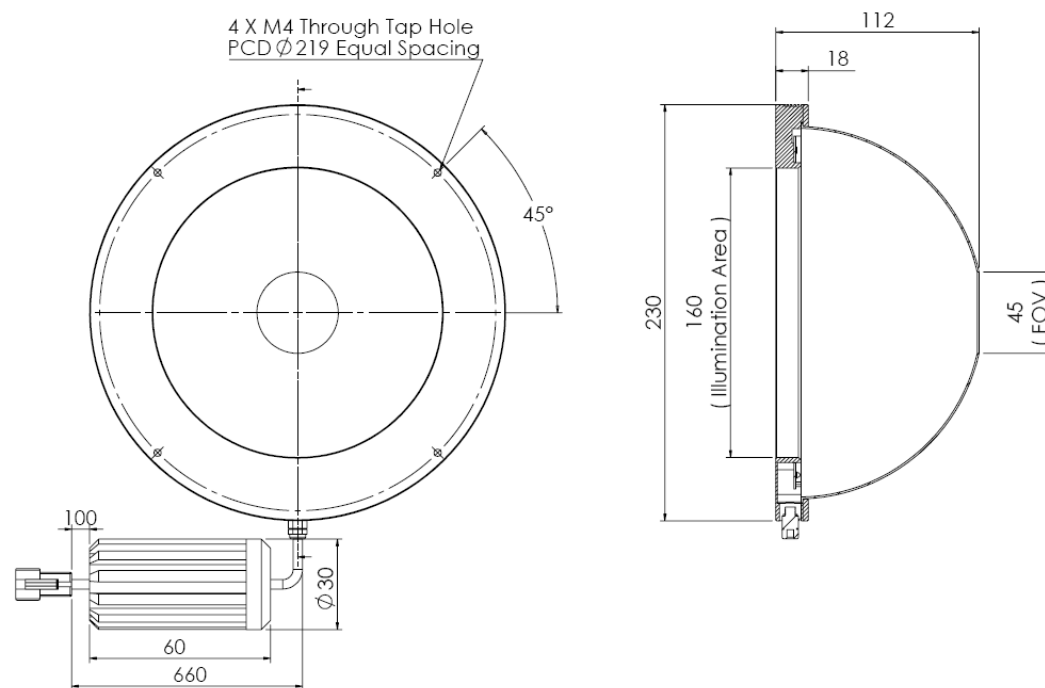
High Brightness Dome Light

FHDM-Si200 (STROBE MODE ONLY)

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium
Weight	640g
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 112.0mm
IP Rating	N/A



FHDM-Si200

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
Form No: SOP-DSG-FR004 / Rev 1.8 / Date: 2025-06-05 / GS
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Optical Information			
Led Color	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	525nm	470nm	Xy=(0.31,0.32)
Illumination (number of LED)	48		
Illumination Area	Ø160mm		
Led Package	High Power - SMD		
Eye Safety (EN 62471:2008)	RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation. May be harmful to eyes.		
Optimal Working Distance	50-1000 mm		

Strobe Mode (Voltage Drive)	G/B/W
Supply Voltage To Controller	24VDC to 48VDC (Recommended at 36VDC)
Lighting Forward Voltage, Vf	Vf=21
Max. Current	2.10A (MAX)
Max. Power	50.40W
Max. Trigger Pulse Duration	50 msec
Duty Cycle	0 - 10%

Strobe Mode (Current Drive)	G/B/W
Lighting Forward Voltage, Vf	Vf= 21
Max. Current	2.10 – 5.25A (MAX)
Max. Trigger Pulse Duration	10 msec
Duty Cycle	0 - 10%

Ordering Part Number	Controller Type	Description
FHDM-Si200- G/B/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FHDM-Si200- G/B/W-0	Current Drive	Without Resistor (0 Ohm) (only use in constant current power supply)



Connection	G/B/W		
Connector Type (Default):	Pin	Signal	Cable Color
	1	LED +	Red
	2	N.C.	---
	3	LED -	Black
Cable Length out from lighting:	600 mm		



Additional Information	Details
Life span in continuous mode	20,000 hours
Life span in strobe light mode	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	MY21/1811030613



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