

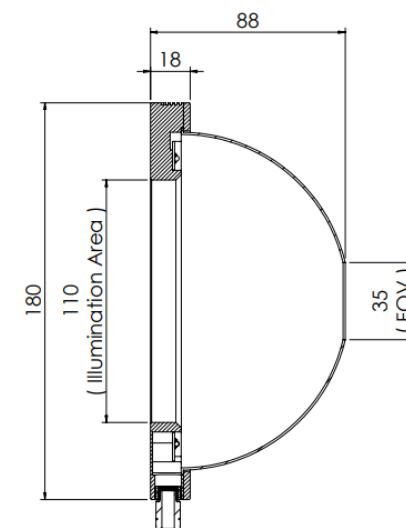
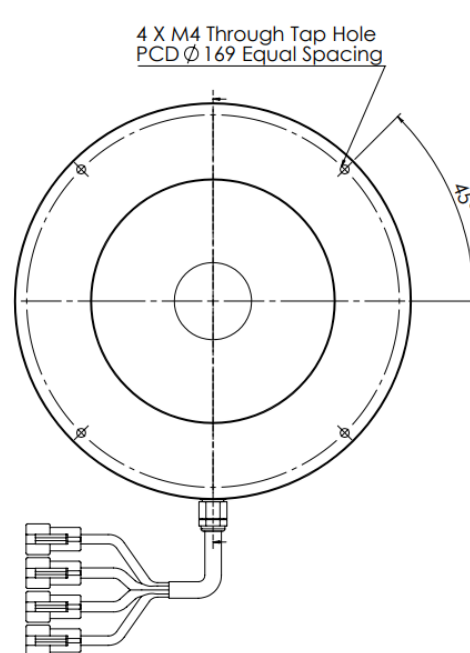
Dome Light

FLDM-Si150-4

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium
Weight	706g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension, ØxH	Ø180.0x 88.0mm
IP Rating	N/A



FLDM-Si150-4

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
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Led Colour	BLUE (B)	WHITE (W)
Optical Information		
Wavelength / Color temperature	470nm	Xy = (0.31, 0.32)
Illumination (Number of LED)	32	32
Illumination Area	Ø110mm	Ø110mm
Led Package	SMD	SMD
Eye Safety (EN 62471:2008)	Exempt Group	Exempt Group
Optimal Working Distance	0 – 30mm	0 – 30mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	B/W	B/W
Supply Voltage To Controller	24VDC ± 2%	23VDC ± 2%
Lighting Forward Voltage, Vf	22 V	22 V
Max. Current	0.40A (MAX)	0.40A (MAX)
Max. Power	9.60 W	9.20 W

Strobe Mode	Voltage Drive	Current Drive
	B/W	B/W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 23VDC
Max. Current	1.0A (MAX)	1.0A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLDM-Si150-4-B/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDM-Si150-4-B/W-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



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



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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