

## Direct Incident Light with Angle

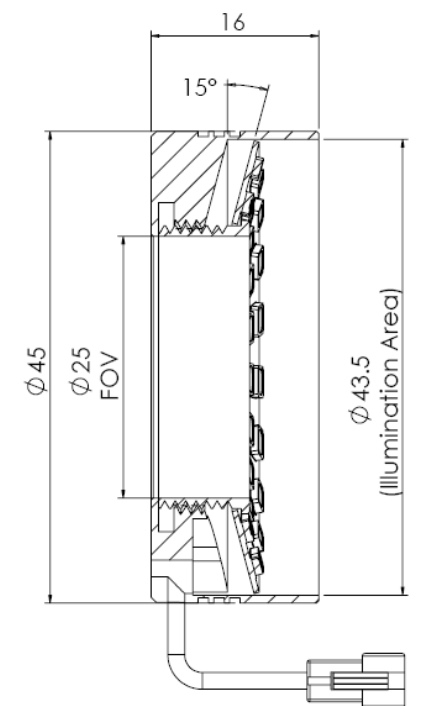
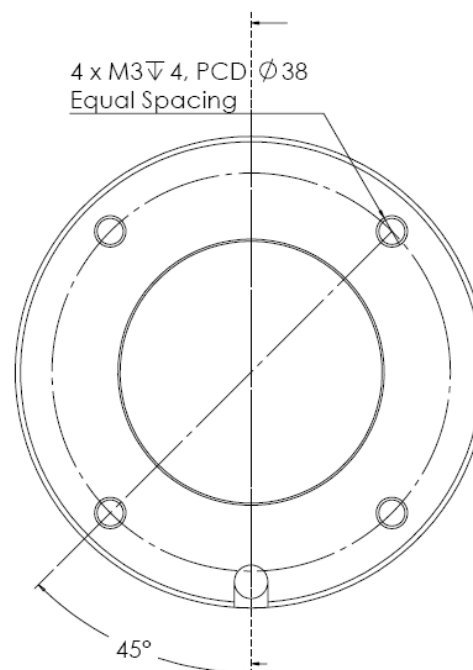


### FLDR-Si45B-ID25

Lighting Picture



Lighting Dimension



Unit in mm

#### Mechanical Information

Casing Material	Aluminium
Weight	43g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension $\phi$ xH	$\phi$ 45 x 16mm
IP Rating	N/A




Led Colour	BLUE (B)
<b>Optical Information</b>	
Wavelength / Color temperature	470nm
Illumination (Number of LED)	21
Illumination Area	Ø43.50mm
Led Package	SMD
Eye Safety (EN 62471:2008)	Exempt Group
Optimal Working Distance	0-100 mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	B	B
Supply Voltage To Controller	24VDC $\pm$ 2%	22VDC $\pm$ 2%
Lighting Forward Voltage, Vf	21Vf	21Vf
Max. Current	0.06A (MAX)	0.06A (MAX)
Max. Power	1.44W	1.32W

Strobe Mode	Voltage Drive	Current Drive
	B	B
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 22VDC
Max. Current	0.06 – 0.15A (MAX)	0.06 – 0.15A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLDR-Si45B-ID25- B	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDR-Si45B-ID25- B-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



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