

Direct Angle Ring Light

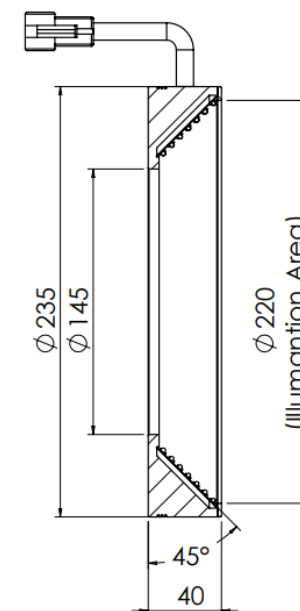
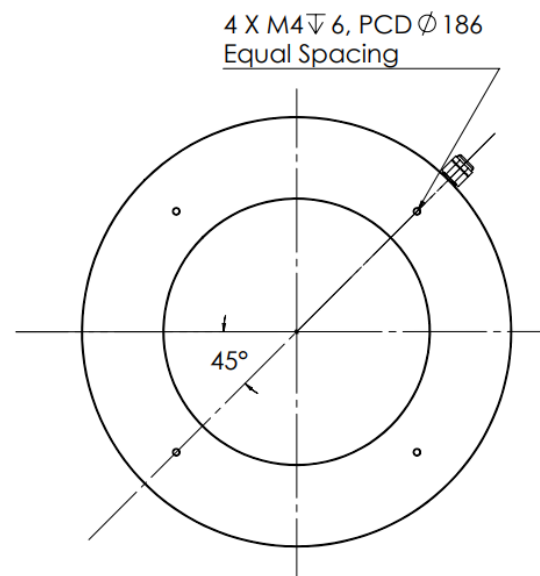


FLDR-Si230B

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information

Casing Material	Aluminium
Weight	1500g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension ϕ xH	ϕ 235 x 40 mm
IP Rating	N/A



FLDR-Si230B

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
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Led Colour	RED (R24)	GREEN (G)
Optical Information		
Wavelength / Color temperature	626nm	525nm
Illumination (Number of LED)	240	280
Illumination Area	Ø220mm	
Led Package	SMD	
Eye Safety (EN 62471:2008)	Exempt Group	
Optimal Working Distance	20-100 mm	

Continuous Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	R24	G	R24	G
Supply Voltage To Controller	24VDC \pm 2%		20VDC \pm 2%	23VDC \pm 2%
Lighting Forward Voltage, Vf	Vf= 19	Vf= 22	Vf=19	Vf=22
Max. Current	2.40A(MAX)	4.00A(MAX)	2.40A(MAX)	4.00 (MAX)
Max. Power	57.60W	96.00W	48.00W	92.00W

Strobe Mode	Voltage Drive		Current Drive	
	R24	G	R24	G
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 20VDC	Pulsing at 23VDC
Max. Current	2.40 - 6.00A (MAX)	4.00 – 10.00A (MAX)	2.40 - 6.00A (MAX)	4.00 – 10.00A (MAX)
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			

Ordering Part Number	Controller Type	Description
FLDR-Si230B- R24/G	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDR-Si230B- R24/G-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection	R24/G		
Connector Type (Default):	Pin	Signal	Cable Color
	1	LED +	Black/White
	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 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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