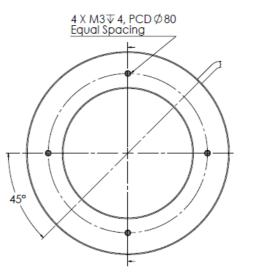




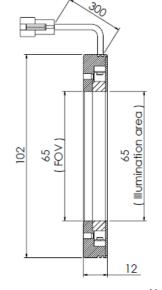
## Low Angle Ring Light



Mechanical Information	
Casing Material	Aluminium
Weight	142 g
Operating Temperature	Temp 0-35°C, Humidity 20-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension W x L x H	Ø102.0 x 12.0mm
IP Rating	IP30



**Lighting Dimension** 



Unit in mm



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Led Colour Optical Information	RED(R/R24)	InfraRed (IR)	GREEN(G/G12)	BLUE (B/B12)	WHITE (W/W12)				
Wavelength / Color temperature	626nm	850nm	525nm	470nm	xy=(0.31,0.32)				
Illumination (Number of LED)	70	70	70/69 70/69 70/69						
Illumination Area	Ø65mm								
Led Package	SMD								
Eye Safety (EN 62471:2008)	Exempt Group								
Optimal Working Distance	0-20 mm								

Continuous Mode		Volta	age Drive (With r	esistor)		Current Drive (Without resistor				
	R	IR	G12/B12/W12	R24	G/B/W	R	IR	G12/B12/W12	R24	G/B/W
			20/	241/00	2 + 20/	12VDC	10	VDC ± 2%	23VDC	22VDC
Supply Voltage To Controller	12VDC ± 2%		24VDC ± 2%		± 2%	10VDC ± 2%		± 2%	± 2%	
Lighting Forward Voltage, Vf	11.0 V	9.8V	9.0 V	22.0 V	21.0 V	11.0 V	9.8V	9.0 V	22.0 V	21.0 V
Max. Current	0.56 A	0.25 A	0.46 A	0.28 A	0.20 A	0.56 A	0.25 A	0.46 A	0.28 A	0.20 A
	(MAX)	(MAX)	(MAX)	(MAX)	(MAX)	(MAX)	(MAX)	(MAX)	(MAX)	(MAX)
Max. Power	6.72 W	3.00 W	5.52 W	6.72 W	4.80 W	6.72 W	2.50 W	4.60 W	6.44 W	4.40 W

Strobe Mode			Voltage Drive			Current Drive				
	R	IR	G12/B12/W12	R24	G/B/W	R	IR	G12/B12/W12	R24	G/B/W
Max. Lighting Supply Voltage	Pulsing at 12VDC to 24VDC, Recommended at 18VDC			Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 12VDC	Pulsing at 10VDC		Pulsing at 23VDC	Pulsing at 22VDC
Max. Current	1.40 A (MAX)	0.63 A (MAX)	1.15 A (MAX)	0.70 A (MAX)	0.50 A (MAX)	1.40 A (MAX)	0.63 A (MAX)	1.15 A (MAX)	0.70 A (MAX)	0.50 A (MAX)
Max. Trigger Pulse Duration	10 msec									
Duty Cycle	< 10%									

Ordering Part Number	Controller Type Description			
FLDR-Si100LA1-		With Resistor		
R/R24/IR/G12/B12/W12/G/B/W	Voltage Drive	(Use in both constant voltage/ current power supply)		
FLDR-Si100LA1-	Ourseast Dailes	Without Resistor (0 Ohm)		
R/R24/IR/G12/B12/W12/G/B/W-0	Current Drive	(Only use in constant current power supply)		







Connection		(Voltage & Current drive)						
Connector Type (Default):	JST	SMR-02V			JST	SMR-03V		
	Pin	Sig	nal	Cable Color	Pin	Sig	inal	Cable Color
	1	LED + LED -		Black/White	1	LED +		Black/White
	2			Black	2	N.	C.	
					3	LE	D -	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	
Lighting drop to 50% intensity	50,000 hours
(at 25°C ambient temperature)	
Supply Ripple Voltage	≤ Vs ± 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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