



Direct Angle Ring Light

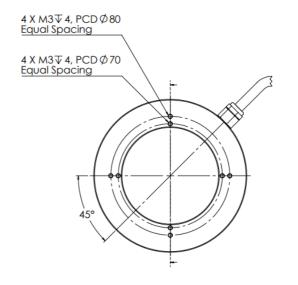
FLDR-i100B-4

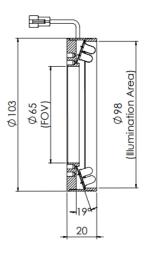
Lighting Picture





Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	153 g
Lighting Dimension ØxH	Ø103.0x 20.0mm
IP Rating	N/A





Unit in mm





Led Colour Optical Information	WHITE (W)
Wavelength / Color temperature	xy=(0.31,0.32)
Illumination (Number of LED)	112
Illumination Area	Ø98mm
Led Package	T1 ¾ 5mm
Eye Safety (EN 62471:2008)	Exempt Group
Optimal Working Distance	10-100 mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)	
	W	W	
Supply Voltage To Controller	24VDC ± 2%	22VDC ± 2%	
Lighting Forward Voltage, Vf	Vf= 21.0 V	Vf= 21.0 V	
Max. Current	0.32A (MAX)	0.32A (MAX)	
Max. Power	7.68W	7.04W	

Strobe Mode	Voltage Drive (With resistor) W	Current Drive (Without resistor) W	
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 22VDC	
Max. Current	0.32A - 0.80A (MAX)	0.32A – 0.8A (MAX)	
Max. Power	7.68W – 38.40W 7.04W – 17.60W		
Max. Trigger Pulse Duration	10 msec		
Duty Cycle	< 10%		

Ordering Option	
FLDR-i100B-4-W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDR-i100B-4-W-0	Internal resistor value= zero ohms (only use in constant current power supply)





Connection	W			
Connector Type (Default):	JST SMR-03V			
	Pin	Signal	Cable Color	
CH1	1	LED +	Black/White	
CITI	2	N.C.		
	3	LED -	Black	
CH2	1	LED +	Black/White	
CF12	2	N.C.		
	3	LED -	Black	
CH3	1	LED +	Black/White	
0113	2	N.C.		
	3	LED -	Black	
CH4				
	1	LED +	Black/White	
	2	N.C.		
	3	LED -	Black	
Cable Length out from lighting:	150mm + 300mm			

	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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