

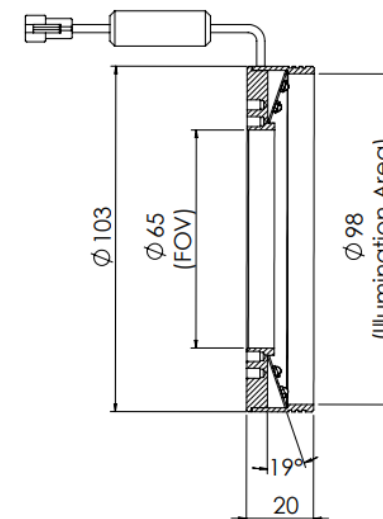
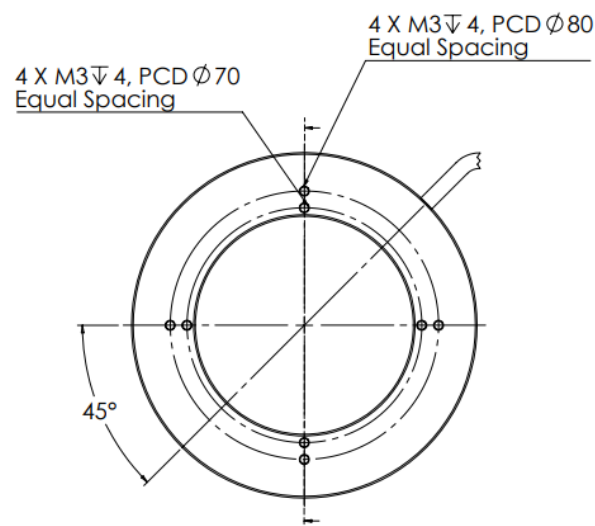
High Brightness Direct Angle Ring Light

FHDR-Si100B (STROBE MODE ONLY)

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminum
Weight	156g
Operating Temperature	0°C to 40°C , Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension, W x L x H	Ø103.0 x 20.0 mm
IP Rating	N/A




Optical Information	
Led Color	WHITE (W)
Wavelength	Xy=(0.31,0.32)
Illumination (number of LED)	64
Illumination Area	Ø98mm
Led Package	High Power - SMD
Eye Safety (EN 62471:2008)	RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation. May be harmful to eyes.
Optimal Working Distance	5-100mm

Strobe Mode (with internal resistor)	W
Supply Voltage To Controller	24VDC to 48VDC (Recommended at 36VDC)
Lighting Forward Voltage, Vf	Vf= 22V
Max. Current	2.80A (MAX)
Max. Power	67.20W
Max. Trigger Pulse Duration	50 msec
Duty Cycle	0 - 10%

Strobe Mode (without internal resistor)	W
Max. Lighting Supply Voltage	Vf= 22V
Max. Current	5.0A (MAX)
Max. Trigger Pulse Duration	10 msec
Duty Cycle	0 - 10%

Ordering Part Number	
FHDR-Si100B	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHDR-Si100B-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection	W			
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 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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