

High Brightness Spot Light

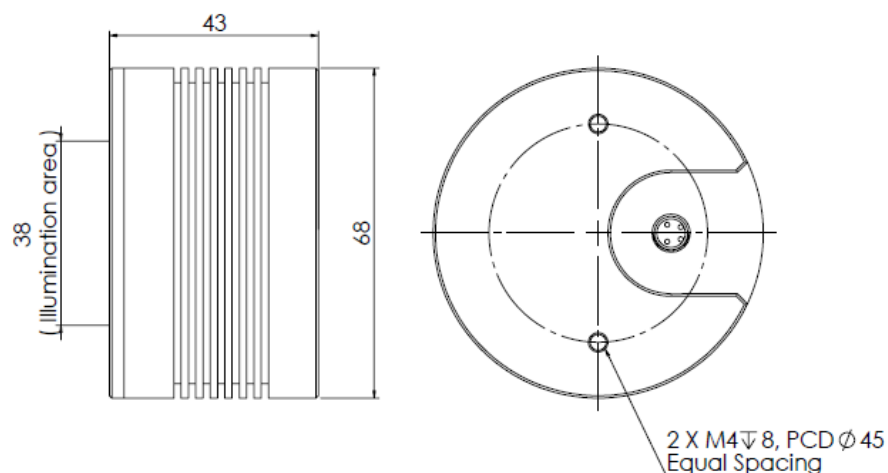


FHSP-Si60N-IP67

Lighting Picture



Lighting Dimension



Mechanical Information

Casing Material	Aluminium + Acrylic Lens
Weight	340g
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	Ø68.0 x 43.0mm
IP Rating	IP67

Unit in mm




Led Colour	INFRARED (R24)	GREEN (G)	BLUE (B)	WHITE (W)
Optical Information				
Wavelength / Color temperature	850nm	525nm	470nm	xy=(0.31, 0.32)
Illumination (Number of LED)	7	7	7	7
Illumination Area	Ø38mm			
Led Package	SMD			
Eye Safety (EN 62471:2008)	RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation			
Optimal Working Distance	10-3000 mm			

Continuous Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	IR24	W/G/B	IR24	W/G/B
Supply Voltage To Controller	24V ± 2%		21.3V ± 2%	22V ± 2%
Lighting Forward Voltage, Vf	20.3V	21V	20.3V	21V
Max. Current	0.35A (MAX)		0.35A (MAX)	
Max. Power	8.40W		7.46W	7.70W

Strobe Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	IR24	W/G/B	IR24	W/G/B
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 21.3VDC	Pulsing at 22VDC
Max. Current	0.88A (MAX)		0.88A (MAX)	
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			



Ordering Part Number	Controller Type	Description
FHSP-Si60N-IP67-IR24/W/G/B	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FHSP-Si60N-IP67-IR24/W/G/B-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)

Connection	Pico M8 (Male)			
Connector Type (Default):	Pin	Light Segment	Börsig /Binder P/N: 79-3382-52-04 Wire Color	
	1	LED 1 +	Brown	
	2	N.C.	---	
	3	LED 1 -	Blue	
	4	N.C.	---	

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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