



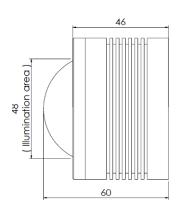


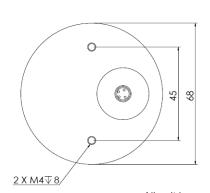


Lighting Picture

Lighting Dimension







All unit in mm

Mechinical Information			
Casing Material	Aluminium + Glass lens		
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%		
Weight	430 g		
Lighting Dimension, ØxH	68.0 x 60.0mm		
IP Rating	IP 55		

Optical Information					
Led Color	RED (R24)	GREEN (G) BLUE (B) WI		WHITE(W)	
Wavelength, CIE coordinate	620nm	525nm	470nm	xy=(0.31,0.32)	
Illumination (number of LED)	10	7			
Illumination Area, Ø	Ø 48 mm				
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.				

Electrical Information	R24	G/B/W	
Lighting Supply Voltage			
(constant voltage mode)	24V ± 2%		
Supply Ripple Voltage	≤ Vs ± 5%		
Reverse Battery Protection	YES		
Lighting Forward voltage			
(for zero internal resistor value)	21.0 V		
Continuous Current	0.35 A (MAX)		
Power Consumption			
(constant voltage mode)	8.4 Watts		
Lighting casing temperature,			
Operating after 60 minutes in	55°C		
continuous mode			





Strobe Mode Specification				
Max. Lighting Supply Voltage		Pulsing	at 24VDC to 40VDC,	
(Constant voltage power supply)			-10% Duty Cycle	
(Soliciani Voltago porrol Supply)	Recommended at 36VDC			
Pulse Current, (Max. 10msec)		1 (000)	minoriaca at 66 v B c	
(Constant current power supply)	1.0 A (MAX) (PULSE ONLY)			
Constant Current Power Supply	1.0 A (MPA) (1 DEDE GNET)			
Voltage Level		22 NV (1 NV	higher than the lighting Vf)	
Max. Trigger Pulse Duration, msec		22.00 (1.00	10 msec	
Duty Cycle			0 to 10%	
Over Driving Mode			0 10 10 70	
Constraints	Major constraint in over current mode is tremendous heat			
	generated on the lighting and results the led in permanent damage.			
Maximum Current,			0.7A (MAX)	
(Constant current power supply)		Ordering O	ption (FHSP-Si60-xxxx-0)	
Constant Current Power Supply				
Voltage Level		22.0V (1.0V	higher than the lighting Vf)	
Max. Turn On Duration, sec			10 Sec	
Duty Cycle	50%			
Over driving in Constant voltage				
Mode	Ordering Option (FHSP-Si60-xxxx-2)			
Additional Information				
Additional Cooling Method	Apply compress air onto the lighting Attached to machine part for better heat dissipation			
Life span in continuous mode			intensity) at 25°C	
Life span in strobe light mode			to 50% intensity) at 25°C	
Intensity Controller Selection		ries, PSA-Series,		
CE Conformity	YES	100, 1 07 (001100, 1	210 001100	
RoHS	YES			
ISO 9001:2008	SG11/03751			
Ordering Option	0011/00	77-01		
FHSP-Si60-R24/G/B/W		With res	istor to limit the current	
11131 -3100-1(24/3/15/10)	//		ant voltage/ current power supply)	
FHSP-Si60- R24/G/B/W -0	(,		esistor value= zero ohms	
1 1101 -0100- 1\24/\(\text{G}\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			enstant current power supply)	
FHSP-Si60- R24/G/B/W -2		•	ent with build in internal resistor	
	(1		ant voltage/ current power supply)	
Connection		R24	G/B/W	
Connector Type:			Pico M8 (Male)	
Cable Length out from lighting:			N/A	
Pin Configuration: Pico M8 (Male)	Pin	Light Segment	Börsig /Binder P/N: 79-3382-52-04 Wire Color	
3/24	1	LED 1+	Brown	
()	3	LED 1 -	Blue	
1 3				
Application				
Optimal Working Distance			10-1000mm	
Optimize the lighting Life Span	It is recommended to turn ON the lighting only during image			
Spanned and againing End opair	capturing or conjunction with camera exposure time. This will enable the lighting to work with longer life span and prevent overheating and resulting damage to the led.			





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