

# Diffuse Back Light

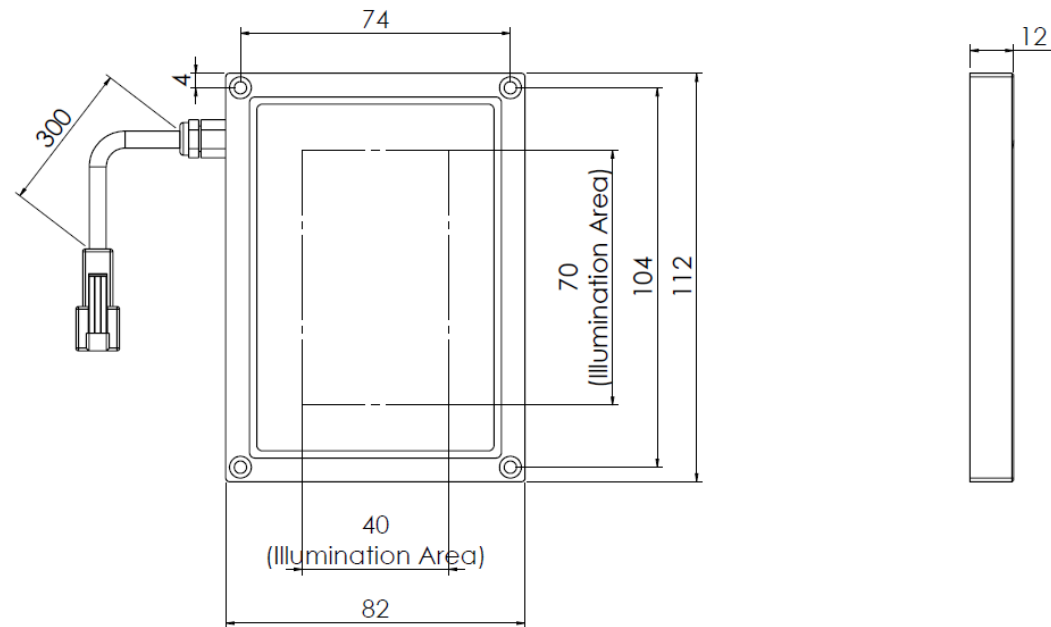


## FLFL-Si70X40N-IP54

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminum + Diffuser
Weight	130g
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	112.0 x 82.0 x 12.0 mm
IP Rating	IP54

Unit in mm



Led Colour	BLUE (B)	GREEN (G)	WHITE (W)
<b>Optical Information</b>			
Wavelength / Color temperature	470nm	525nm	xy=(0.31,0.32)
Illumination (Number of LED)	42	42	42
Illumination Area	70 x 40 mm		
Led Package	SMD		
Eye Safety (EN 62471:2008)	Exempt Group		
Optimal Working Distance	10-100 mm		


Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	W/G/B	W/G/B
Supply Voltage To Controller	24VDC ± 2%	22VDC ± 2%
Lighting Forward Voltage, Vf	21V	21V
Max. Current	0.18A (MAX)	0.18A (MAX)
Max. Power	4.32W	3.96W

Strobe Mode	Voltage Drive	Current Drive
	W/G/B	W/G/B
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 22VDC
Max. Current	0.45A (MAX)	0.45A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLFL-Si70X40N-IP54-W/G/B	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLFL-Si70X40N-IP54-W/G/B-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection		(Voltage & Current drive)		
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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