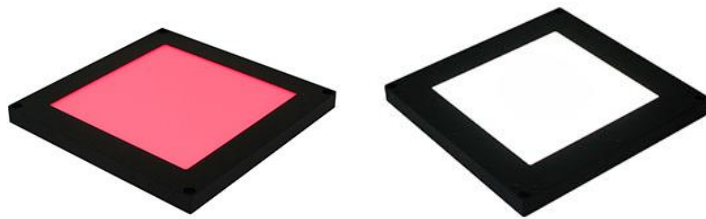


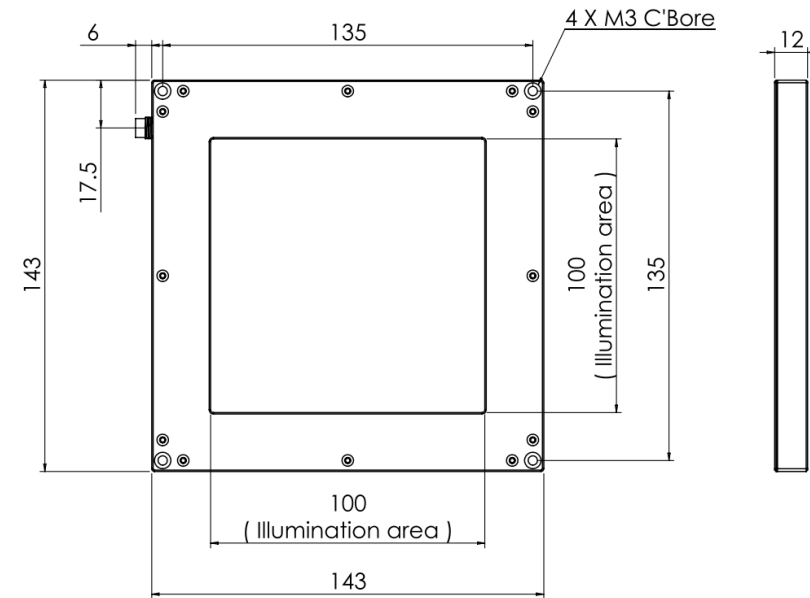
Diffuse Back Light

 **FLFL-Si100-IP65**

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	421g
Lighting Dimension, WxLxH	143.0 x 143.0 x 12.0 mm
IP Rating	IP 65

Unit in mm




Optical Information				
Led Color	RED (R24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	626nm	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	120	112	112	112
Illumination Area	100 x 100 mm			
Led Package	SMD			
Eye Safety (EN 62471:2008)	Exempt Group			

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)		22.0 V	21.0 V
Continuous Current		0.48A (MAX)	0.48A (MAX)
Power Consumption		11.52 W	11.52 W
Lighting casing temperature, Operating after 60 minutes		49°C	49°C

Strobe Mode Specification		R24	G/B/W
Max. Lighting Supply Voltage (Constant voltage power supply)		Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC	
Pulse Current, (Max. 10msec) (Constant current power supply)		1.20A (MAX)	1.20A (MAX)
Max. Trigger Pulse Duration, msec		10 msec	
Duty Cycle		0 - 10%	

Ordering Option	
FLFL-Si100-R24/G/B/W-IP65	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLFL-Si100-R24/G/B/W-IP65-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		R24/G/B/W	
Connector Type (Default):	Pico M8 (Male)		
Pin Configuration: Pico M8 (Male)	Pin	Light Segment	Börsig /Binder P/N: 79-3382-52-04 Wire Color
	1	LED +	Brown
	2	N.C.	White
	3	LED -	Blue
	4	N.C.	Black
Cable Length out from lighting:	N/A		

Additional Information		R24/G/B/W	
Additional Cooling Method	Attached to machine part for better heat dissipation		
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		
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series		
CE Conformity	YES		
RoHS Compliance	YES		
ISO 9001:2008	SG11/03751		

Application	
Optimal Working Distance	10-100 mm



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