

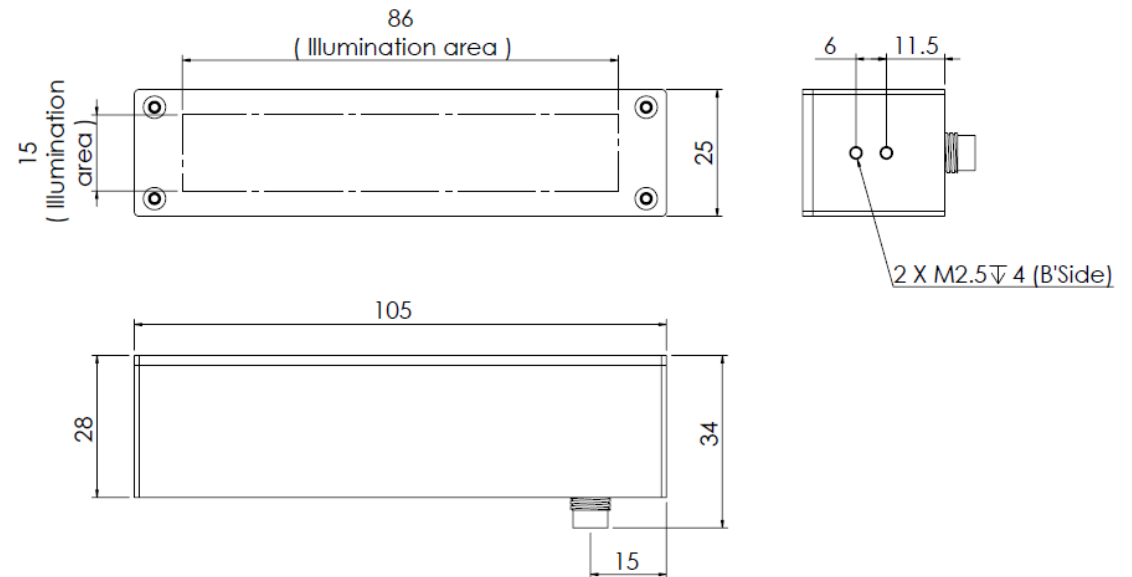
Bar Light

 **FLDL-i86x15-IP65**

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	150g
Lighting Dimension, WxLxH	25.0 x 105.0 x 28.0 mm
IP Rating	IP 65

Unit in mm




Optical Information					
Led Color	RED (SR/SR24)	InfraRed (IR24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	640nm	875nm	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	54/60	60	54	54	54
Illumination Area	86 x 15 mm				
Led Package	T1 3mm				
Eye Safety (EN 62471:2008)	Exempt Group				

Electrical Information	SR	SR24	IR24	G/B/W
Lighting Supply Voltage (constant voltage mode)	12V ± 2%	24V ± 2%		
Supply Ripple Voltage	≤ Vs ± 5%			
Reverse Battery Protection	YES			
Lighting Forward voltage, (for zero internal resistor value)	11.4V	20.0 V	21.0 V	18.0 V
Continuous Current	0.18 A (MAX)	0.18 A (MAX)	0.10 A (MAX)	0.18 A (MAX)
Power Consumption	2.16 W	4.32 W	2.40 W	4.32 W
Lighting casing temperature, Operating after 60 minutes	38°C	40°C	40°C	42°C

Strobe Mode Specification	SR	SR24	IR24	G/B/W
Max. Lighting Supply Voltage (Constant voltage power supply)	Pulsing at 12VDC to 24VDC, 0-10% Duty Cycle Recommended at 15VDC	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC		
Pulse Current, (Max. 10msec) (Constant current power supply)	0.45A (MAX)	0.45A (MAX)	0.25A (MAX)	0.45A (MAX)
Max. Trigger Pulse Duration, msec	10 msec			
Duty Cycle	0 - 10%			

Ordering Option	
FLDL-i86x15-SR/SR24/IR24/G/B/W-IP65	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-i86x15-SR/SR24/IR24/G/B/W-IP65-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		SR	SR24/IR24/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		SR/SR24/G/B/W/IR24
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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