

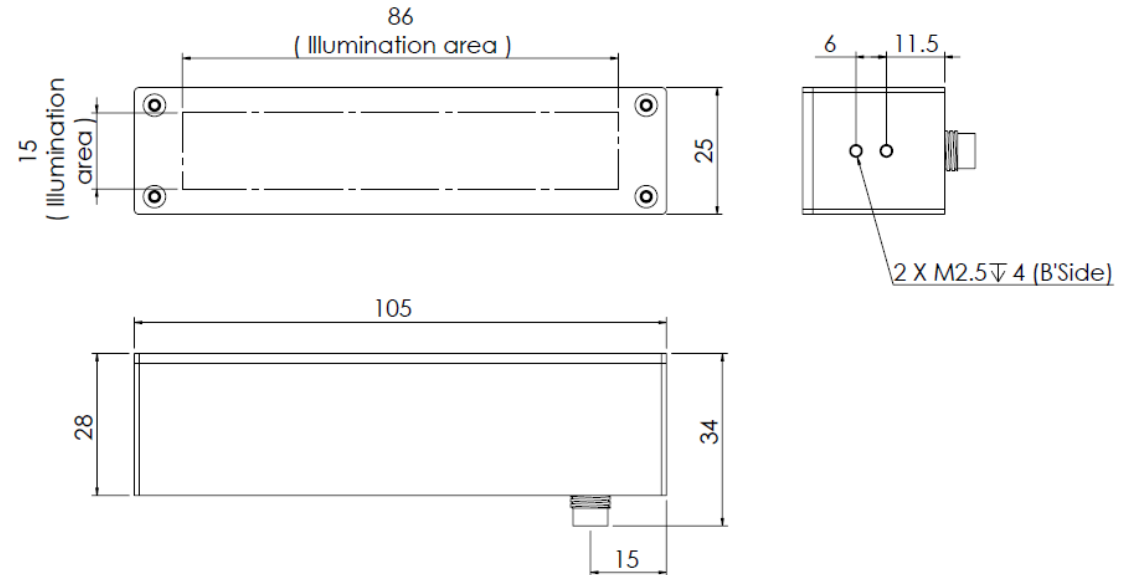
Bar Light

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	WHITE (W)
Wavelength	xy=(0.31,0.32)
Illumination (number of LED)	54
Illumination Area	86 x 15mm
Led Package	T1 3mm
Eye Safety (EN 62471:2008)	Exempt Group

Electrical Information	
	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)	18.0 V
Continuous Current	0.18A (MAX)
Power Consumption	4.32 W
Lighting casing temperature, Operating after 60 minutes	42°C

Strobe Mode Specification	
	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)	0.45A (MAX)
Max. Trigger Pulse Duration, msec	10 msec
Duty Cycle	0 - 10%

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



Connection		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		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	0-100 mm



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