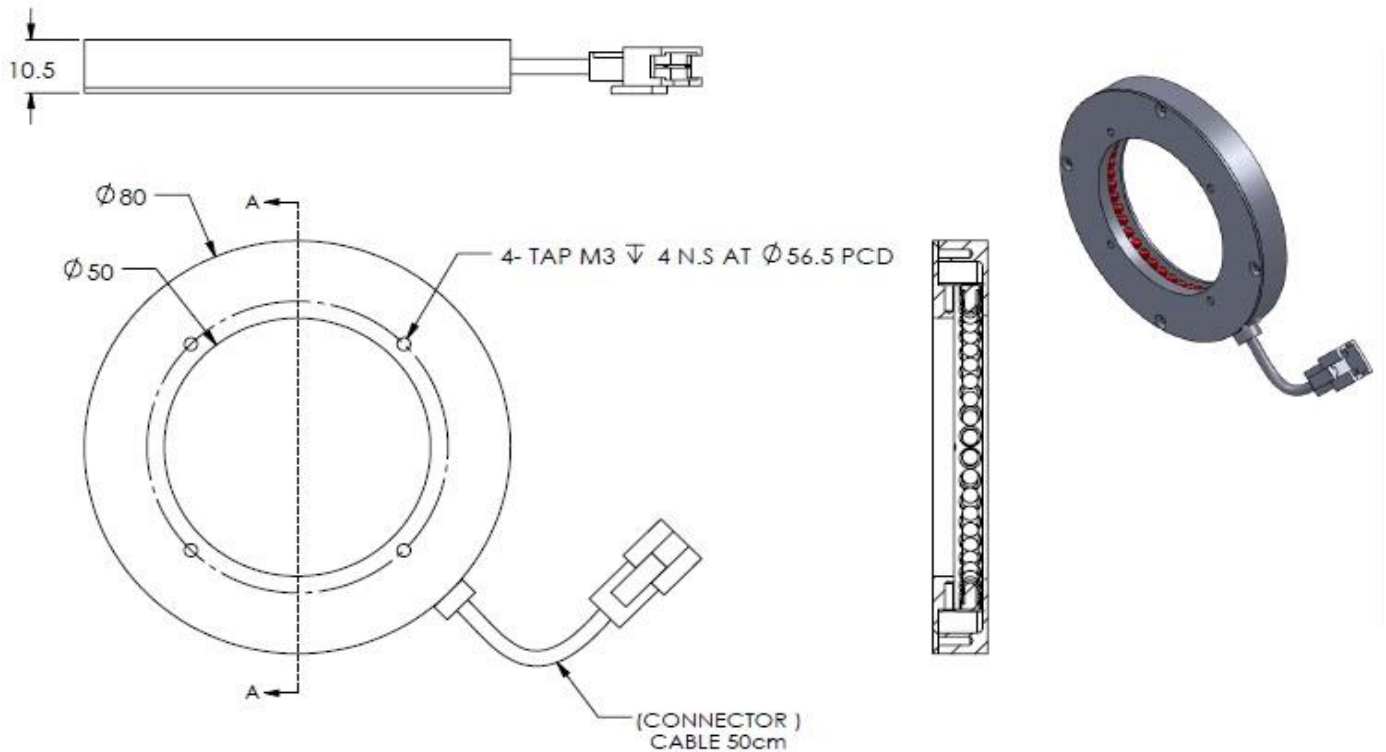




ILLUMINATOR DATA

LLA-90-080-1-B-24V


Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	70 g
Outer Dimension	80 mm
Inner Diameter	50 mm
Thickness	10.5 mm



LLA-90-080-1-B-24V

Optical Information					
Part Number		LLA-90-080-1-B-24V			
LED Color		BLUE			
Wavelength	(nm)	470			
Intensity (±15%)	(Lux)	22100	26700	13700	3720
Working Distance	(mm)	10	11	16	21
Illumination (number of row)		1			
Illumination Active Area					
Active Diameter	(mm)	50			
Emission angle	(deg.)	90			
Eye Safety Class (IEC62471)		II			
Electrical Information					
Lighting Supply Voltage (constant voltage mode)		24V ± 2%			
Continuous Current	(mA)	105			
Power Consumption	(W)	2.52			
LED temperature, after 60 minutes	Operating °C	59.9			
Lighting casing temperature, after 60 minutes	Operating °C	54.1			
Strobe Mode Specification					
Pulse Operation		YES			
Max. Lighting Supply Voltage (Constant)	(V)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle			
Pulse Current, (Max. 10msec current power supply)	(mA)	315			
Max. Trigger Pulse Duration	(msec)	10			
Duty Cycle		0-10%			
Additional Information					
Additional Cooling Method		Attached to machine part for better heat dissipation			
Life span in continuous mode		20,000 hours (drop to 50% intensity) at 25°C			
Life span in strobe mode		Est. >50,000 hours (drop to 50% intensity) at 25°C			
Intensity Controller Selection		ANG-Series, LC-Series, STB-Series			
CE Conformity		YES			
RoHS Compliance		YES			
Connection					
Connector Type (Default):		JST SMR-03V			
Cable Length out from lighting :	(mm)	500			
Pin Configuration :		Pin	Signal	Cable Color	
		1	LED +	RED	
		2	N.C.	---	
		3	LED -	WHITE	
					
Application					
Optimal Working Distance	(mm)	10 - 21			