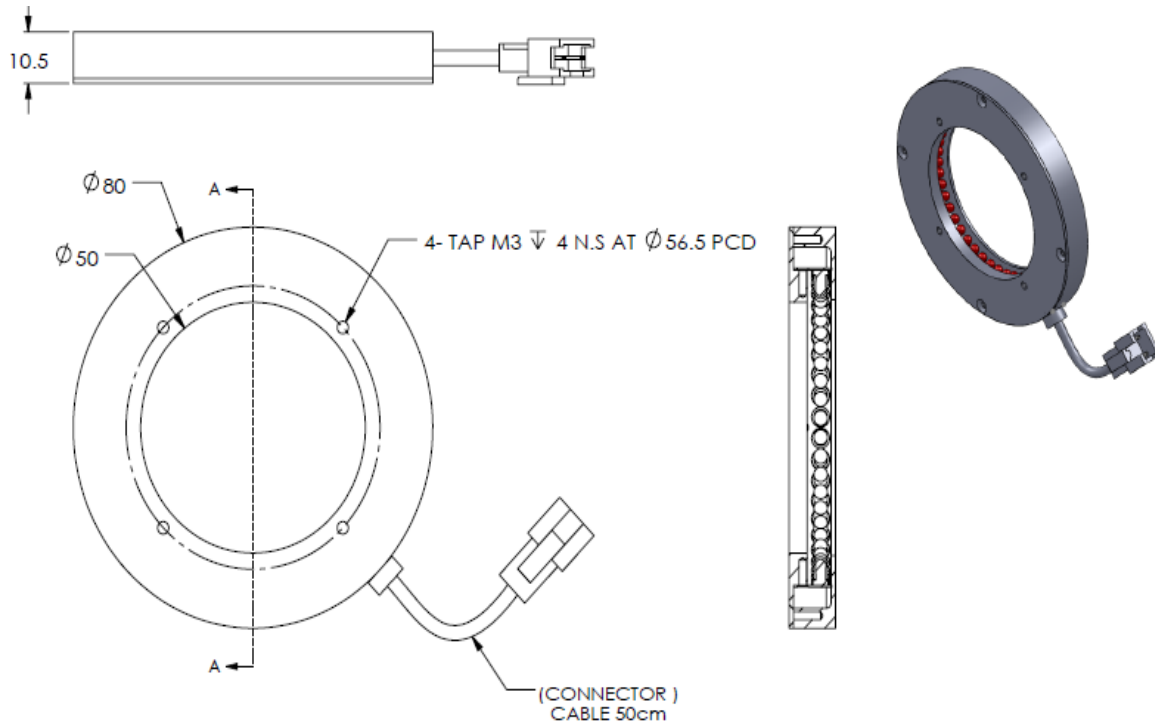




ILLUMINATOR DATA

LLA-90-080-1-W-24V


Lighting Dimension



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



LLA-90-080-1-W-24V

Optical Information									
Part Number		LLA-90-080-1-W-24V							
LED Color		WHITE							
Wavelength	(nm)	*Refer to the Chromaticity Table below							
Intensity	(Lux)	5680		1540		834			
Working Distance	(mm)	20		25		30			
Illumination (number of row)		1							
Illumination Active Area									
Active Diameter	(mm)	50							
		-							
Emission angle	(deg.)	90							
Eye Safety Class		II							
*CHROMATICITY TABLE									
X	0.296	0.287	0.307	0.311	X	0.311	0.307	0.33	0.33
Y	0.276	0.295	0.315	0.294	Y	0.294	0.315	0.339	0.318
Electrical Information									
Lighting Supply Voltage (constant voltage mode)			24V ± 2%						
Continuous Current	(mA)		105						
Power Consumption	(W)		2.52						
Lighting casing temperature, after 60 minutes	Operating °C		49.4						
Strobe Mode Specification									
Pulse Operation			YES						
Max. Lighting Supply Voltage (Constant voltage power supply)	(V)		Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC						
Pulse Current, (Max. 10msec) (Constant 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)		20 - 25						