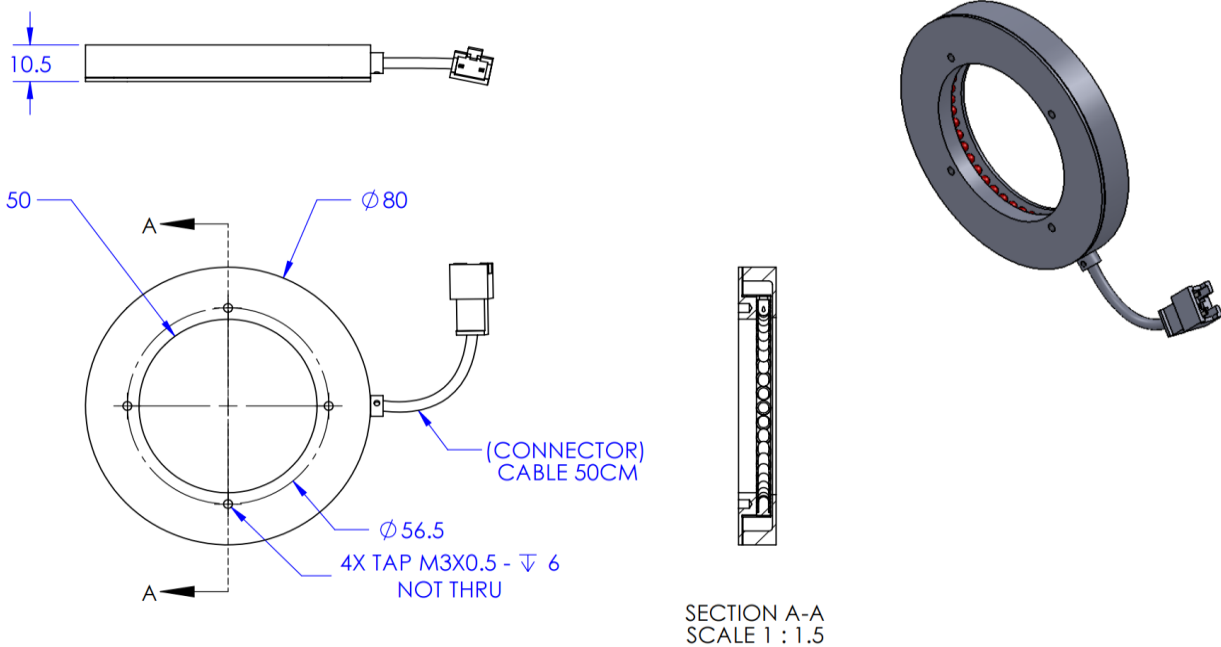




ILLUMINATOR DATA-ID

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

Lighting Dimension




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



ILLUMINATOR DATA-ID

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 (±15%)	(Lux)	5680	1540	834																									
Working Distance	(mm)	20	25	30																									
Illumination (number of row)		1																											
Illumination Active Area																													
Active Length / Outer Diameter	(mm)	51																											
Active Width / Inner Diameter	(mm)	50																											
Emission angle	(deg.)	90																											
Eye Safety Class (IEC62471)		EXEMPT																											
*CHROMATICITY TABLE		<table border="1"> <tr> <td>X</td> <td>0.296</td> <td>0.287</td> <td>0.307</td> <td>0.311</td> <td></td> </tr> <tr> <td>Y</td> <td>0.276</td> <td>0.295</td> <td>0.315</td> <td>0.294</td> <td></td> </tr> </table> <table border="1"> <tr> <td>X</td> <td>0.311</td> <td>0.307</td> <td>0.33</td> <td>0.33</td> <td></td> </tr> <tr> <td>Y</td> <td>0.294</td> <td>0.315</td> <td>0.339</td> <td>0.318</td> <td></td> </tr> </table>				X	0.296	0.287	0.307	0.311		Y	0.276	0.295	0.315	0.294		X	0.311	0.307	0.33	0.33		Y	0.294	0.315	0.339	0.318	
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Electrical Information																													
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																											
Continuous Current	(mA)	105																											
Power Consumption	(W)	2.52																											
Lighting casing temperature, Operating after 60 minutes	°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																											
Intensity Controller Selection		ANG, ST, SD and SDA 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																													
Illumination Type		Direct Illumination																											
Application Use		Edge detection, scratched on metal or glossy surface.																											