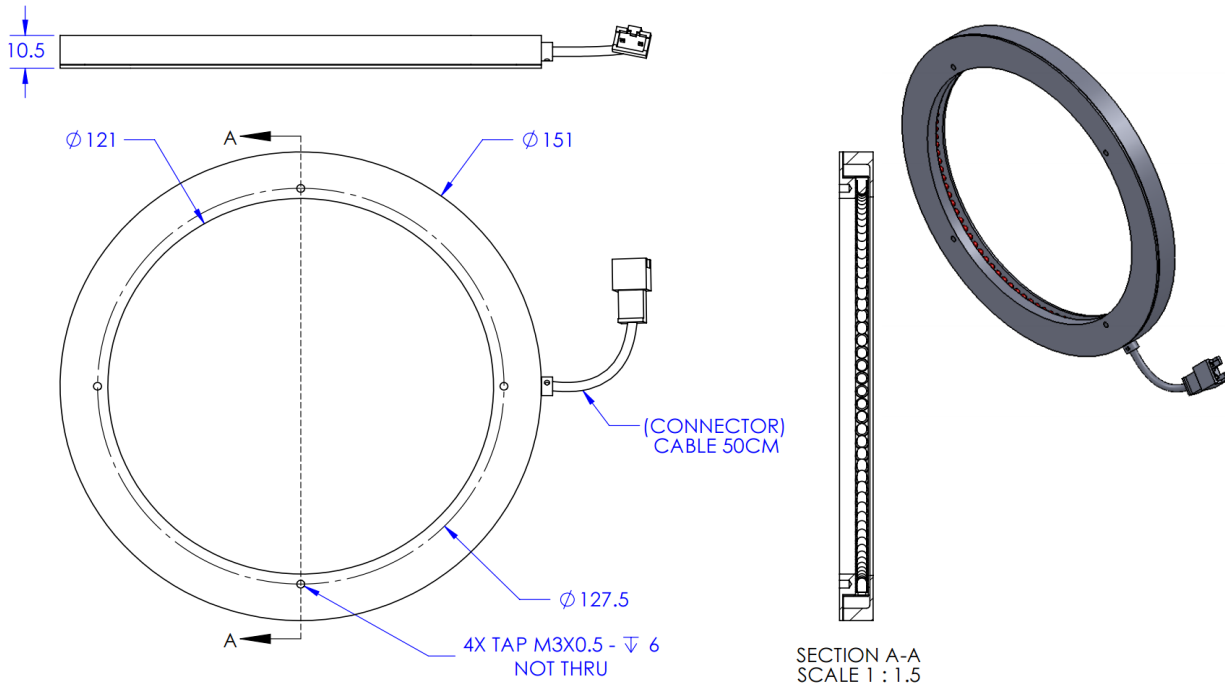




ILLUMINATOR DATA-ID

LLA-90-150-1-W-24V

Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0 - 45°C, Humidity 20-85%
Weight	120 g
Length / Outer Diameter	151 mm
Width / Inner Diameter	121 mm
Thickness / Height	10.5 mm



ILLUMINATOR DATA-ID

LLA-90-150-1-W-24V

Optical Information																					
Part Number	LLA-90-150-1-W-24V																				
LED Color	WHITE																				
Wavelength	(nm) <div>* Refer to the Chromaticity Table Below</div>																				
Intensity (±15%)	(Lux) <div>105701211010690</div>																				
Working Distance	(mm) <div>152025</div>																				
Illumination (number of row)	1																				
Illumination Active Area																					
Active Length / Outer Diameter	(mm) <div>122</div>																				
Active Width / Inner Diameter	(mm) <div>121</div>																				
Emission angle	(deg.) <div>90</div>																				
Eye Safety Class (IEC62471)	EXEMPT																				
*CHROMATICITY TABLE	<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td><td>X</td><td>0.311</td><td>0.307</td><td>0.33</td><td>0.33</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></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
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) <div>210</div>																				
Power Consumption	(W) <div>5.04</div>																				
Lighting casing temperature, Operating after 60 minutes	°C <div>52</div>																				
Strobe Mode Specification																					
Pulse Operation	YES																				
Max. Lighting Supply Voltage (Constant voltage power supply)	(V) <div>Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle, Recommended at 36VDC</div>																				
Pulse Current, (Max. 10msec) (Constant current power supply)	(mA) <div>630</div>																				
Max. Trigger Pulse Duration	(msec) <div>10</div>																				
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) <div>500</div>																				
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.																				