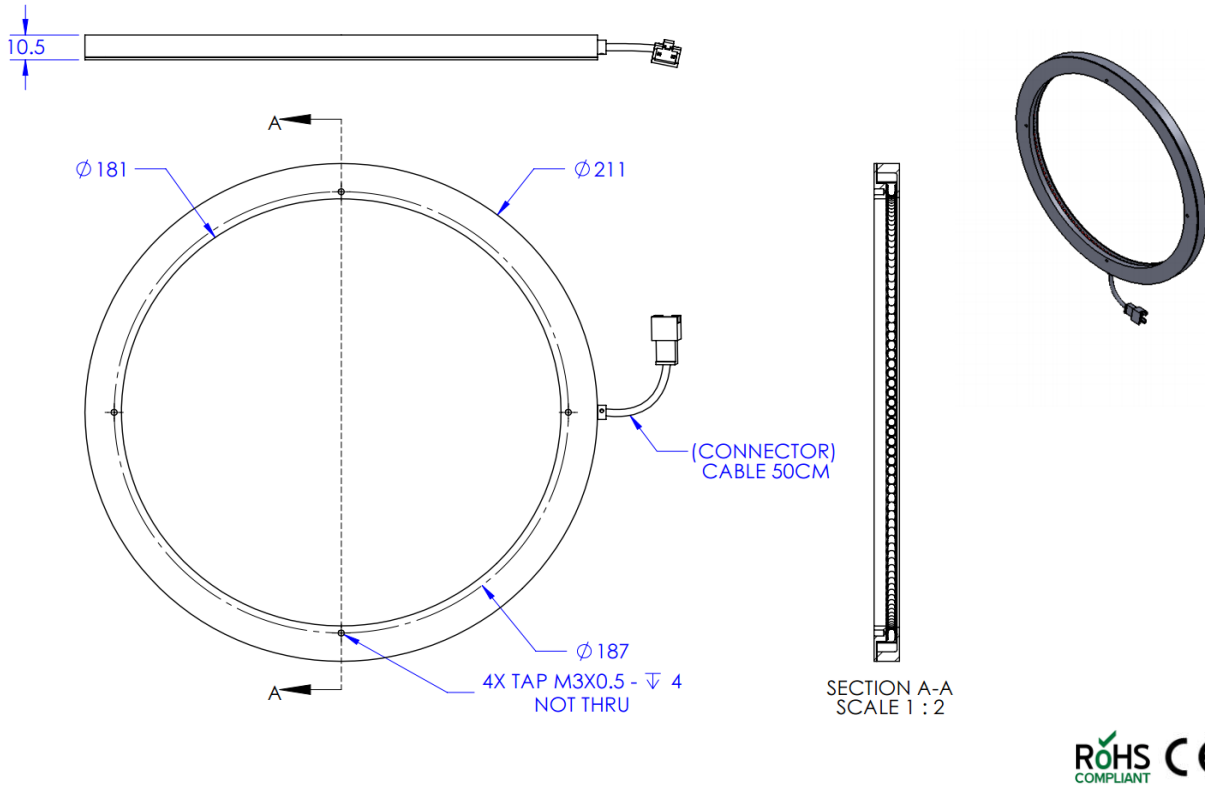




ILLUMINATOR DATA-ID

LLA-90-210-1-W-24V

Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0 - 45°C, Humidity 20-85%
Weight	190 g
Length / Outer Diameter	211 mm
Width / Inner Diameter	181 mm
Thickness / Height	10.5 mm



ILLUMINATOR DATA-ID

LLA-90-210-1-W-24V

Optical Information																								
Part Number		LLA-90-210-1-W-24V																						
LED Color		WHITE																						
Wavelength	(nm)	* Refer to the Chromaticity Table Below																						
Intensity (±15%)	(Lux)	8720	9700	8800																				
Working Distance	(mm)	20	25	30																				
Illumination (number of row)		1																						
Illumination Active Area																								
Active Length / Outer Diameter	(mm)	182																						
Active Width / Inner Diameter	(mm)	181																						
Emission angle	(deg.)	90																						
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></tr> <tr> <td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td></tr> </table>	X	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	<table> <tr> <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>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr> </table>	X	0.311	0.307	0.33	0.33	Y	0.294	0.315	0.339	0.318	
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																				
Electrical Information																								
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																						
Continuous Current	(mA)	300																						
Power Consumption	(W)	7.2																						
Lighting casing temperature, Operating after 60 minutes	°C	45.1																						
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)	900																						
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.																						