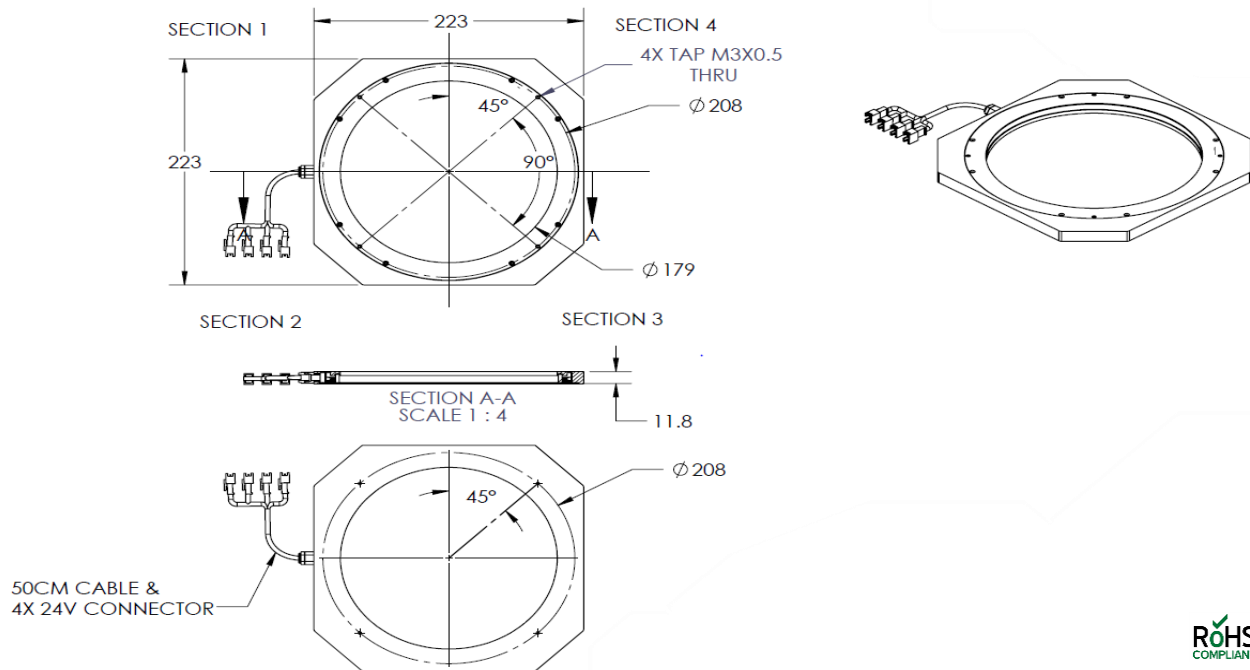


MLLA-90-200-1-W-24V-CH4

Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0 - 45°C, Humidity 20-85%
Weight	725 g
Length / Outer Diameter	223 mm
Width / Inner Diameter	223 mm
Thickness / Height	11.8 mm



MLLA-90-200-1-W-24V-CH4

Optical Information																																																				
Part Number		MLLA-90-200-1-W-24V-CH4																																																		
Channel		CH1				CH2				CH3				CH4																																						
LED Colour		WHITE																																																		
Wavelength	(nm)	* Refer to the Chromaticity Table Below																																																		
Intensity (±15%)	(Lux)	2243.6	2343	2328.8	2357.2	2016.4	1902.8	2044.8	2044.8	1931.2	1959.6	1931.2	2101.6	1902.8	1888.6	1917	1902.8																																			
Working Distance	(mm)	16	21	26	31	16	21	26	31	16	21	26	31	16	21	26	31																																			
Illumination (number of rows)		1																																																		
Illumination Active Area																																																				
Active Length / Outer Diameter	(mm)	203.4																																																		
Active Width / Inner Diameter	(mm)	188.6																																																		
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><td></td><td></td><td></td><td></td><td></td><td>X</td><td>0.311</td><td>0.307</td><td>0.33</td><td>0.33</td><td></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><td></td><td></td><td></td><td></td><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td><td></td><td></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)	125				125				125				125																																						
Power Consumption	(W)	3				3				3				3																																						
Lighting Casing Temperature, Operating after 60 minutes	°C	52.4																																																		
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. 10 msec) (constant current power supply)	(mA)	375				375				375				375																																						
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		SD and SDA Series																																																		
CE Conformity		YES																																																		
RoHS Compliance		YES																																																		
Connection																																																				
Connector Type (default)		M12 5 PIN CONNECTOR (MALE)																																																		
Cable Length (out from lighting)	(mm)	700																																																		
Pin Configuration		<table><tr><td></td><td>Pin</td><td></td><td>Signal</td><td></td><td>Cable Colour</td></tr><tr><td></td><td>1</td><td></td><td>24V</td><td></td><td>BROWN</td></tr><tr><td></td><td>2</td><td></td><td>-</td><td></td><td>WHITE</td></tr><tr><td></td><td>3</td><td></td><td>GND</td><td></td><td>BLUE</td></tr><tr><td></td><td>4</td><td></td><td>-</td><td></td><td>BLACK</td></tr><tr><td></td><td>5</td><td></td><td>-</td><td></td><td>GRAY</td></tr></table>																Pin		Signal		Cable Colour		1		24V		BROWN		2		-		WHITE		3		GND		BLUE		4		-		BLACK		5		-		GRAY
	Pin		Signal		Cable Colour																																															
	1		24V		BROWN																																															
	2		-		WHITE																																															
	3		GND		BLUE																																															
	4		-		BLACK																																															
	5		-		GRAY																																															
Extension Cable																																																				
Connector Type (default)		M12 5 PIN CONNECTOR (FEMALE)																																																		
Part Number		EXT-FL-M12F-3M-24V																																																		
Cable Length (out from female connector)	(mm)	3000																																																		
Extension Cable (connect to M12 5 Pin Male Connector from lighting)																																																				
Application																																																				
Illumination Type		Direct Illumination																																																		
Application Use		Edge detection, scratched on metal or glossy surface																																																		