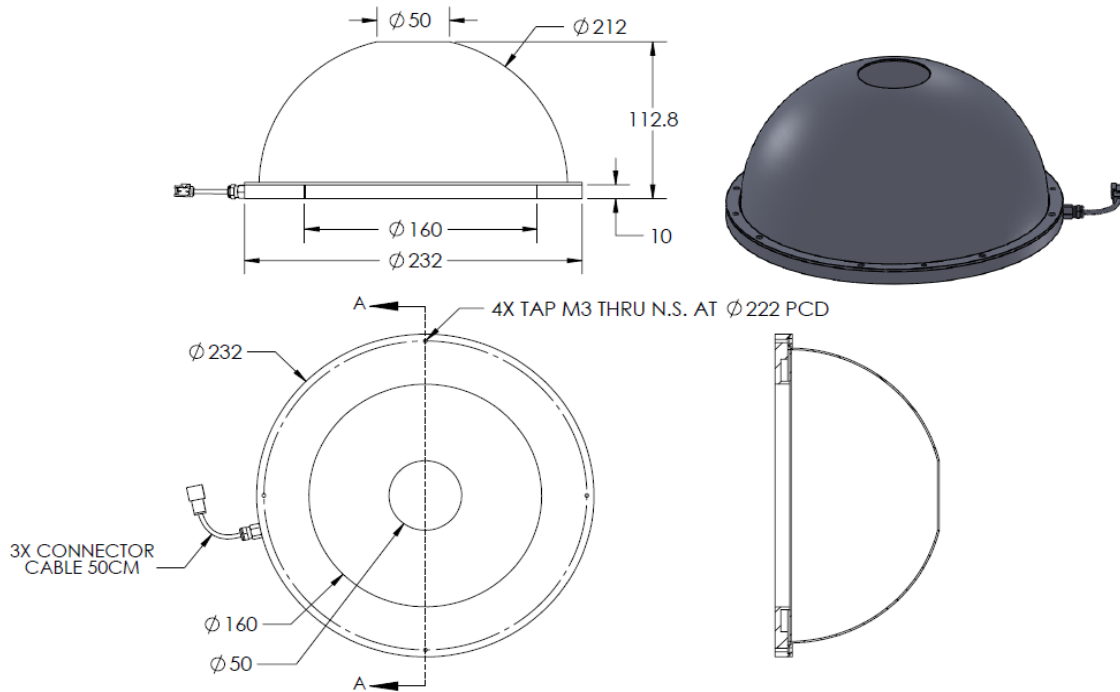




# ILLUMINATOR DATA

## IDS4-00-200-1-RGB-24V


### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	780 g
Outer Diameter	232 mm
Inner Diameter	50 mm
Thickness	112.8 mm



# IDS4-00-200-1-RGB-24V

Optical Information											
Part Number	IDS4-00-200-1-RGB-24V										
LED Color	RED			GREEN			BLUE				
Wavelength	(nm)	630			525			470			
Intensity	(Lux)	2896.8	1959.6	1533.6	6177	3280.2	2570.2	4913.2	4160.6	3237.6	
Working Distance	(mm)	50	80	100	50	80	100	50	80	100	
Illumination (number of row)		3									
Illumination Active Area											
Active Outer Diameter	(mm)	212									
Active Inner Diameter	(mm)	50									
Emission angle	(deg.)	0									
Eye Safety Class		EXEMPT			EXEMPT			II			
Electrical Information											
Lighting Supply Voltage (constant voltage mode)		24V ± 2%									
Continuous Current	(mA)	280			280			280			
Power Consumption	(W)	RED	6.72			GREEN	6.72			BLUE	6.72
Lighting casing temperature, Operating after 60 minutes	°C		39.4				36.9				43.7
Max. continuous current of RED, GREEN & BLUE LEDs on at a same time	(mA)	RED, GREEN & BLUE LEDs on at a same time are not recommended									
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)	RED	840			GREEN	840			BLUE	840
Max. pulse current of RED, GREEN & BLUE LEDs on at a same time	(mA)	RED, GREEN & BLUE LEDs on at a same time are not recommended									
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)	50-100									



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