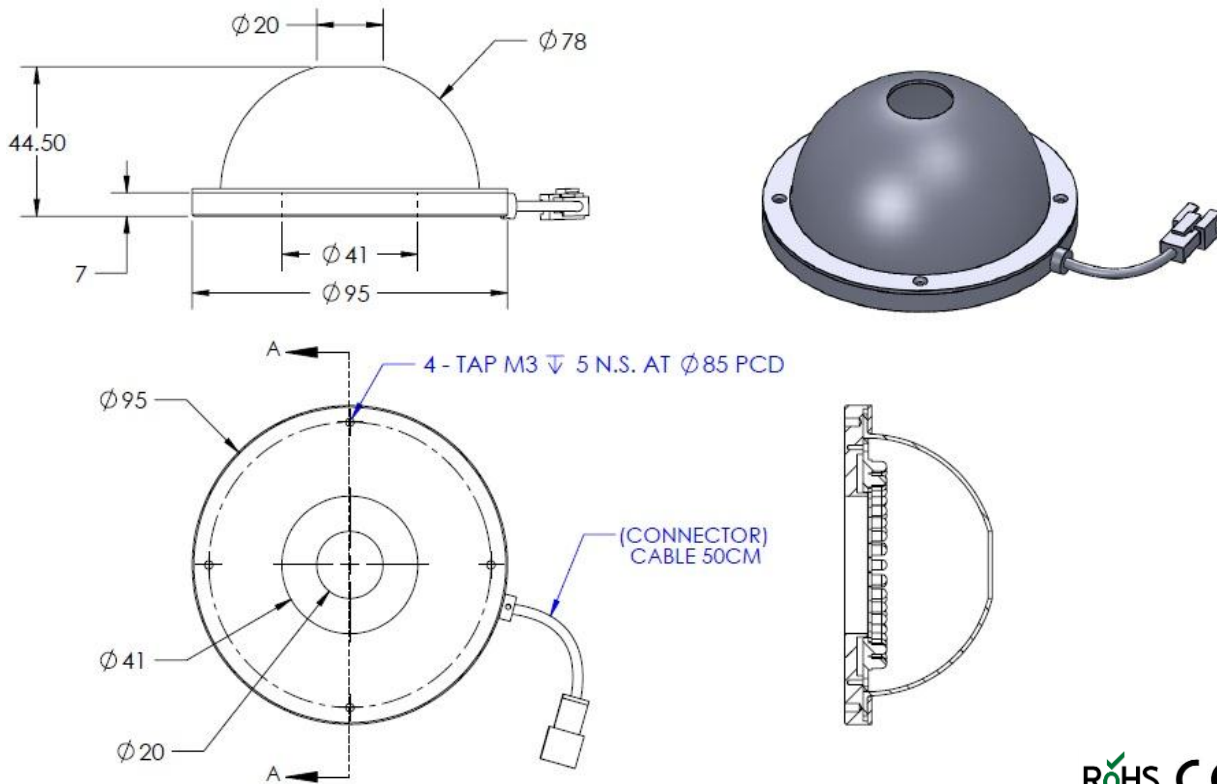




# ILLUMINATOR DATA

**IDS4-00-070-1-W-24V**

## Lighting Dimension




**RoHS** **CE**  
COMPLIANT

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	-
Outer Diameter	95
Inner Diameter	20
Thickness	44.5



## IDS4-00-070-1-W-24V

Optical Information									
Part Number		IDS4-00-070-1-W-24V							
LED Color		WHITE							
Wavelength	(nm)	*Refer to the Chromaticity Table below							
Intensity	(Lux)	16490	10270		7410				
Working Distance	(mm)	30	40		50				
Illumination (number of row)		1							
Illumination Active Area									
Active Inner Diameter	(mm)	20							
Active Outer Diameter	(mm)	41							
Emission angle	(deg.)	0							
Eye Safety Class		II							
*CHROMATICITY 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
Electrical Information									
Lighting Supply Voltage (constant voltage mode)		24V ± 2%							
Continuous Current	(mA)	200							
Power Consumption	(W)	4.8							
LED temperature, Operating after 60 minutes	°C	60.4							
Lighting casing temperature, Operating after 60 minutes	°C	-							
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)	600							
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)	30 - 50							