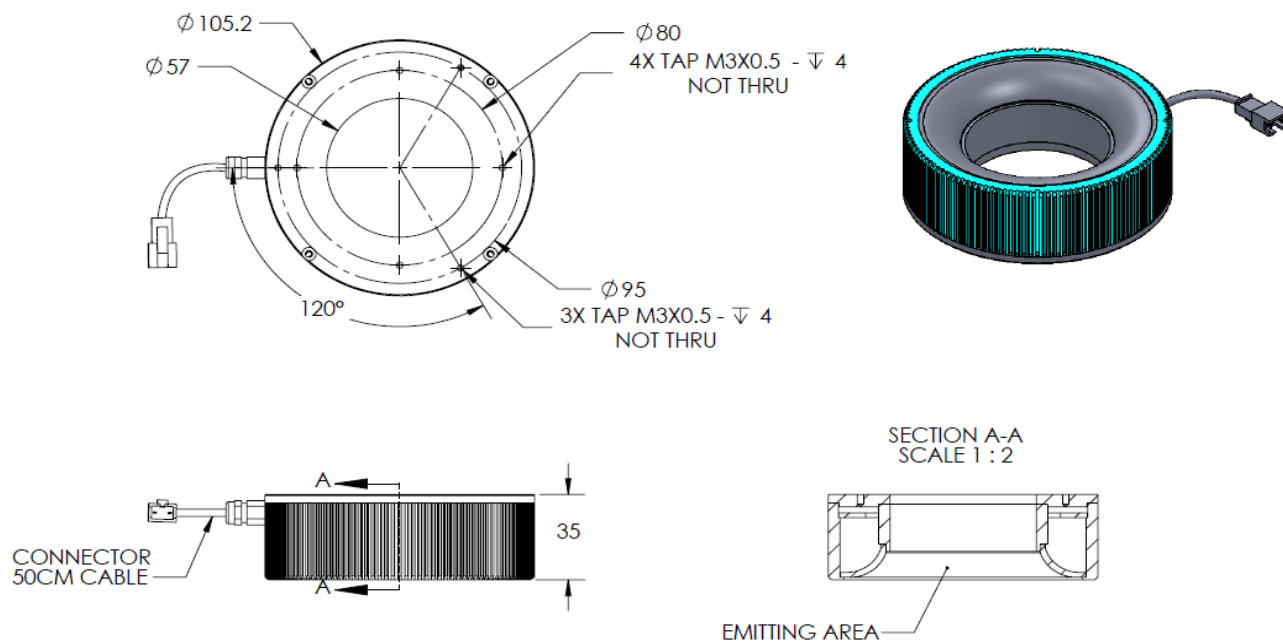




ILLUMINATOR DATA (ID)

HPD2-00-100-1-R-24V


Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	207 g
Outer Diameter	105.2 mm
Inner Diameter	57 mm
Thickness	35 mm



HPD2-00-100-1-R-24V

Optical Information			
Part Number		HPD2-00-100-1-R-24V	
LED Color		RED	
Wavelength	(nm)	650nm (Peak)	
Intensity (±15)	(Lux)	3948	3167 998
Working Distance	(mm)	18	44 122
Illumination (number of row)		1	
Illumination Active Area			
Active Inner Diameter	(mm)	59	
Active Outer Diameter	(mm)	93.2	
Emission angle	(deg.)	0-90	
Eye Safety Class (IEC62471)		EXEMPT	
Electrical Information			
Lighting Supply Voltage (constant voltage mode)		24V ± 2%	
Continuous Current	(mA)	270	
Power Consumption	(W)	6.48	
Lighting casing temperature, Operating after 60 minutes	°C	53	
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)	5400	
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, SD series, ST series & 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		Indirect Illumination	
Application Use		Shining surface and food packaging	



HPD2-00-100-1-R-24V

Uniformity Graph - Representative Pattern

WD	Tolerance	Diameter
44mm	10%	14mm
44mm	20%	28mm
44mm	30%	39mm

