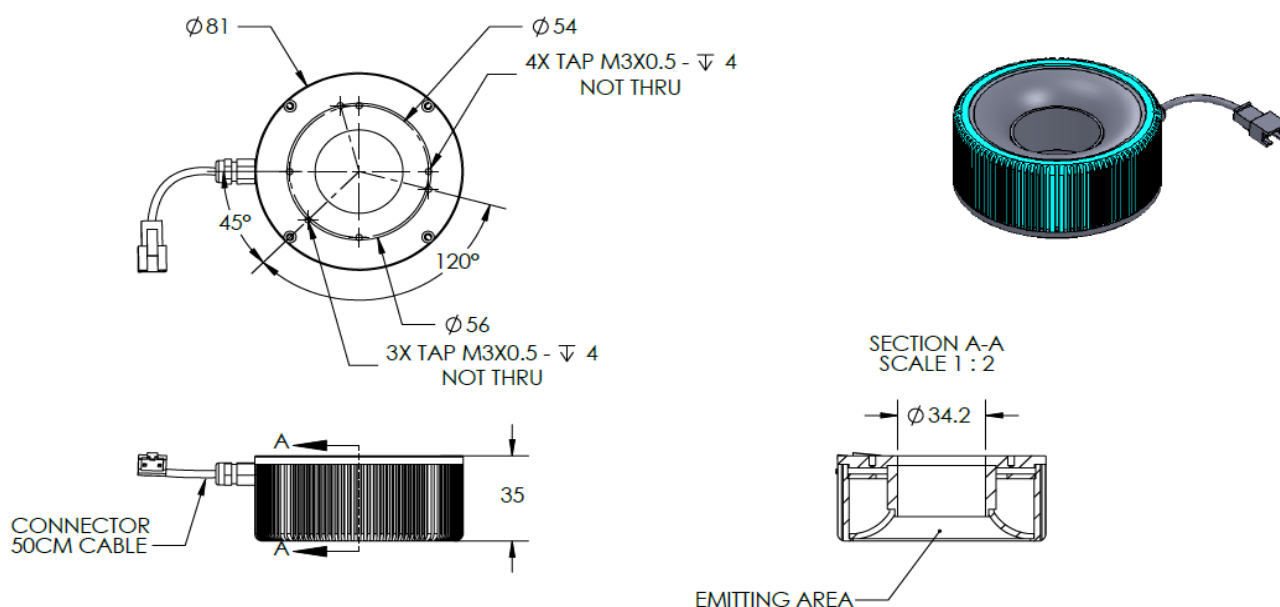




ILLUMINATOR DATA (ID)

HPD2-00-080-1-W-24V


Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	154 g
Outer Diameter	81 mm
Inner Diameter	34.2 mm
Thickness	35 mm



HPD2-00-080-1-W-24V

Optical Information				
Part Number		HPD2-00-080-1-W-24V		
LED Color		WHITE		
Wavelength	(nm)	*Refer to the Chromaticity Table below		
Intensity (±15)	(Lux)	20746	13362	3408
Working Distance	(mm)	15	40	108
Illumination (number of row)		1		
Illumination Active Area				
Active Inner Diameter	(mm)	36.2		
Active Outer Diameter	(mm)	69		
Emission angle	(deg.)	0-90		
Eye Safety Class (IEC62471)		EXEMPT		
*CHROMATICITY TABLE				
X	0.3068	0.3028	0.3221	0.3205
Y	0.3113	0.3304	0.3262	0.3481
Electrical Information				
Lighting Supply Voltage (constant voltage mode)		24V ± 2%		
Continuous Current	(mA)	180		
Power Consumption	(W)	4.32		
Lighting casing temperature, Operating after 60 minutes	°C	51		
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)	3600		
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		



HPD2-00-080-1-W-24V

Uniformity Graph - Representative Pattern

WD	Tolerance	Diameter
31mm	10%	17mm
31mm	20%	32mm
31mm	30%	40mm

