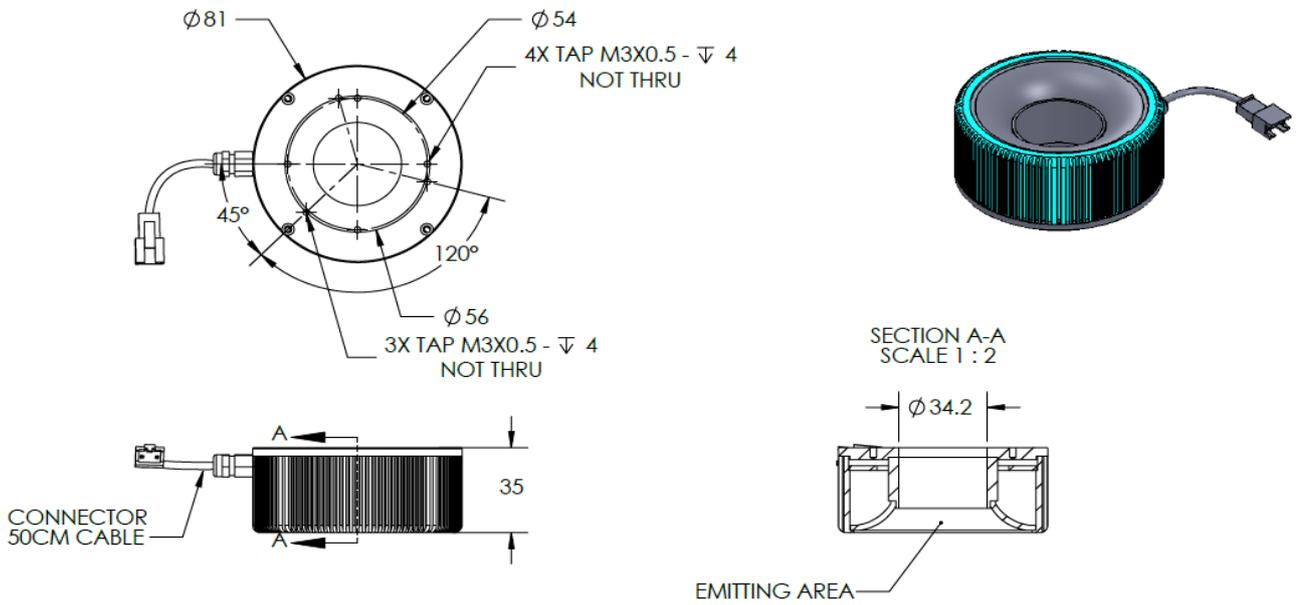




ILLUMINATOR DATA (ID)

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

