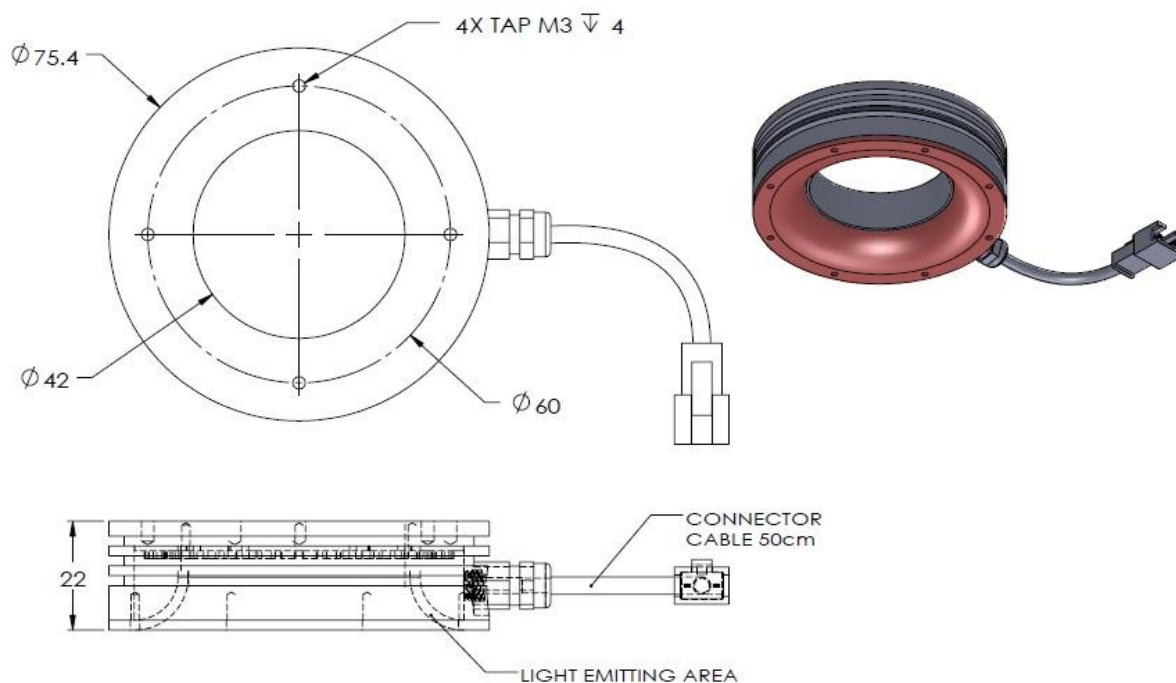




# ILLUMINATOR DATA

**HPD-00-070-1-B-24V**


## Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	-
Outer Diameter	75.4
Inner Diameter	42
Thickness	22



# HPD-00-070-1-B-24V

Optical Information									
Part Number		HPD-00-070-1-B-24V							
LED Color		BLUE							
Wavelength	(nm)	470							
Intensity	(Lux)	9760		8270		4800			
Working Distance	(mm)	20		30		50			
Illumination (number of row)		1							
Illumination Active Area									
Active Inner Diameter	(mm)	42							
Active Outer Diameter	(mm)	65.4							
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%							
	(mA)	90							
Power Consumption	(W)	2.16							
Lighting casing temperature, Operating after 60 minutes	°C	38.1							
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)	270							
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)	20 - 50							