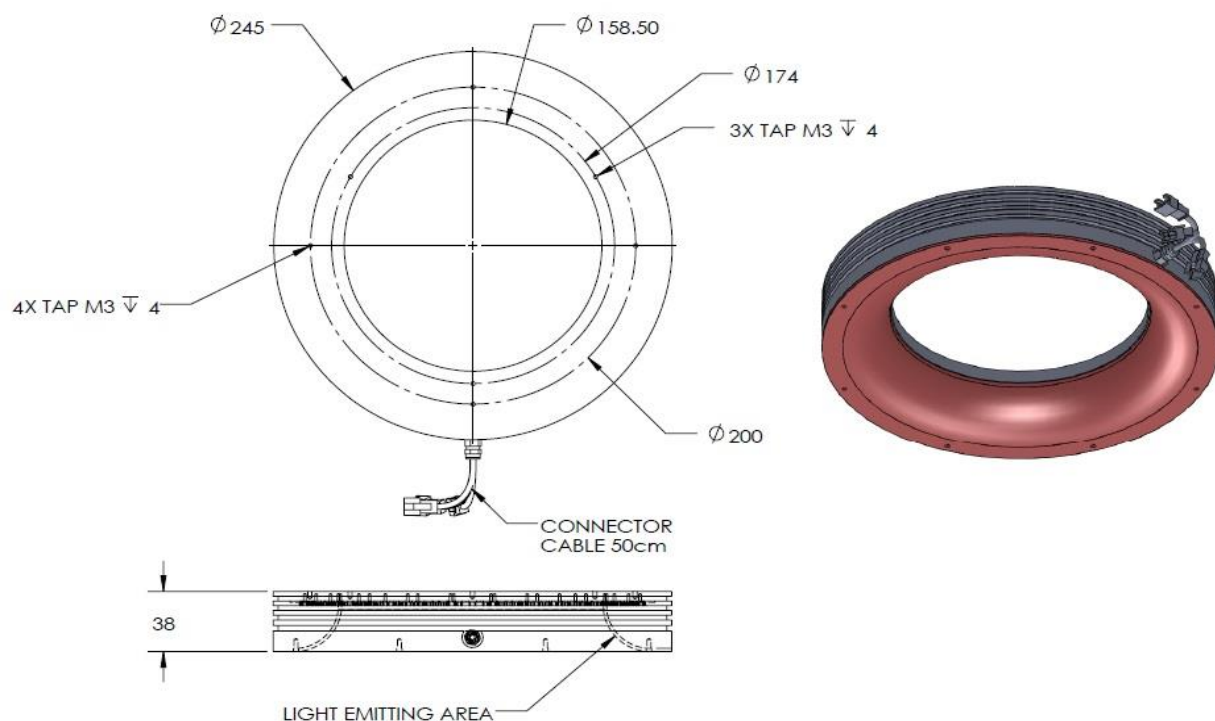




# ILLUMINATOR DATA

## HPD-00-240-3-RGB-24V


### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	1170g
Outer Diameter	245mm
Inner Diameter	158.5mm
Thickness	38mm



# HPD-00-240-3-RGB-24V

Optical Information													
Part Number	HPD-00-240-3-RGB-24V												
LED Color													
Wavelength	(nm)	RED 620				GREEN 525				BLUE 470			
Intensity	(Lux)	5320	5420	5230	-	4700	4800	4720	-	8020	8080	7960	-
Working Distance	(mm)	46	56	66	-	51	61	71	-	55	65	75	-
Illumination (number of row)		3											
Illumination Active Area													
Active Outer Diameter	(mm)	225											
Active Inner Diameter	(mm)	160											
Emission angle	(deg.)	0											
Eye Safety Class		II											
Electrical Information													
Lighting Supply Voltage (constant voltage mode)		24V ± 2%											
Continuous Current	(mA)	RED	910			GREEN	630			BLUE	700		
Power Consumption	(W)		21.84				15.12				16.8		
LED temperature, Operating after 60 minutes	°C		55.3				56.5				57.8		
Lighting casing temperature, Operating after 60 minutes	°C		50.1				53.4				50.8		
Max. continuous current of RED, GREEN & BLUE LEDs on at a same time	(mA)	RED, GREEN & BLUE LEDs on at a same time are not recommended											
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)	RED	1500			GREEN	1500			BLUE	1500		
Max. pulse current of RED, GREEN & BLUE LEDs on at a same time	(mA)	RED, GREEN & BLUE LEDs on at a same time are not recommended											
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)	RED	46 - 66			GREEN	51 - 71			BLUE	55 - 75		



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