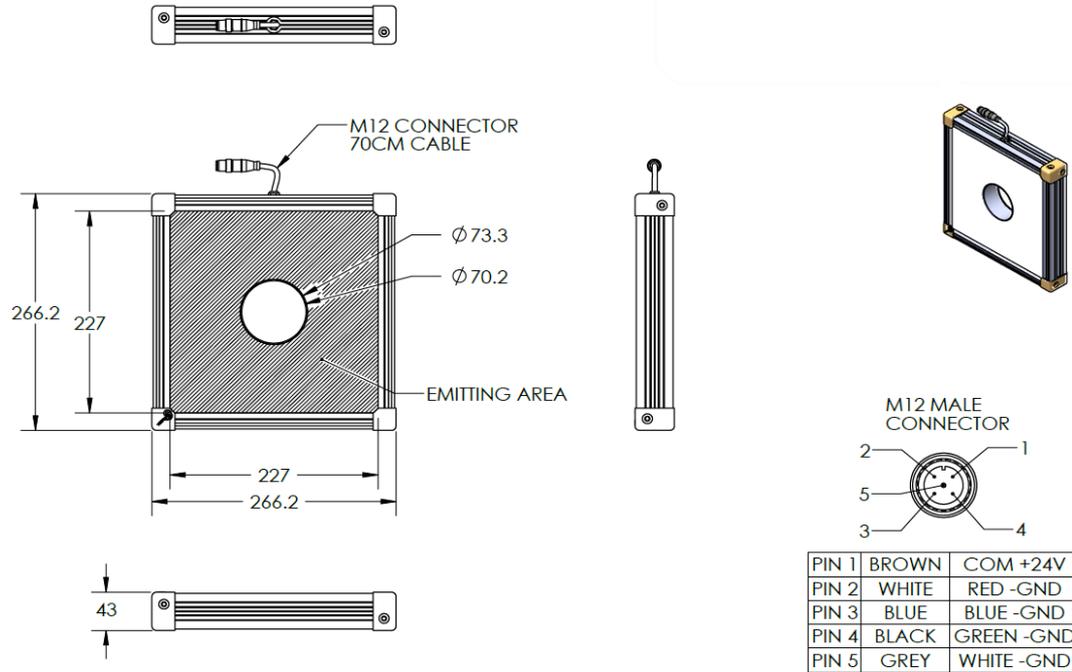


## HBBQ-00-240X240-X-RGBW-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	2000 g
Outer Dimension	266.2 mm
Inner Diameter	266.2 mm
Thickness	43 mm



## HBBQ-00-240X240-X-RGBW-24V

Optical Information																																
Part Number	HBBQ-00-240X240-X-RGBW-24V																															
LED Colour	RED			GREEN			BLUE			WHITE																						
Wavelength	(nm)	630			525			470			*Refer to the Chromaticity Table below																					
Intensity (±15%)	(Lux)	3370	2920	2430	9150	8050	6700	8190	7180	6000	6600	5860	4900																			
Working Distance	(mm)	200	220	250	200	220	250	200	220	250	200	220	250																			
Illumination (number of rows)	X																															
Illumination Active Area																																
Active Outer Dimension	227																															
Active Inner Diameter	227																															
Emission Angle	(deg.)	0																														
Eye Safety Class ( IEC62471)	EXEMPT			EXEMPT			II			EXEMPT																						
*CHROMATICITY TABLE																																
<table border="1"> <tr> <td>X</td> <td>0.296</td> <td>0.287</td> <td>0.307</td> <td>0.311</td> <td>X</td> <td>0.311</td> <td>0.307</td> <td>0.33</td> <td>0.33</td> </tr> <tr> <td>Y</td> <td>0.276</td> <td>0.295</td> <td>0.315</td> <td>0.294</td> <td>Y</td> <td>0.294</td> <td>0.315</td> <td>0.339</td> <td>0.318</td> </tr> </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
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%																															
Continuous Current	(mA)	805			875			700			805																					
Power Consumption	(W)	19.32			21			16.8			19.32																					
Lighting Casing Temperature, Operating after 60 minutes	°C	51.4																														
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)	2415			2625			2100			2415																					
Max. Trigger Pulse Duration	(msec)	10																														
Duty Cycle	0-10%																															
Additional Information																																
Additional Cooling Method	Attached to machine part for better heat dissipation																															
Lifespan in Continuous Mode	20,000 hours (drop to 50% intensity) at 25°C																															
Lifespan in Strobe Mode	Est. >50,000 hours (drop to 50% intensity) at 25°C																															
Intensity Controller Selection	ANGX, SD, ST series																															
CE Conformity	YES																															
RoHS Compliance	YES																															
Connection																																
Connector Type (default)	M12 5 PIN CONNECTOR (MALE)																															
Cable Length (out from lighting)	(mm)	700																														
Pin Configuration	Pin	Signal			Cable Colour																											
	1	24V			BROWN																											
	2	GND			WHITE																											
	3	GND			BLUE																											
	4	GND			BLACK																											
	5	GND			GRAY																											
Extension Cable																																
Connector Type (default)	M12 5 PIN CONNECTOR (FEMALE)																															
Part Number	EXT-FL-M12F-7M-24V																															
Cable Length (out from female connector)	(mm)	700																														
Extension Cable (connect to M12 5 Pin Male Connector from lighting)																																
Application																																
Illumination Type	High Intensity Front Light																															
Application Use	Diffused front light which is suitable for application that involve wide field of view and requires uniform lighting.																															