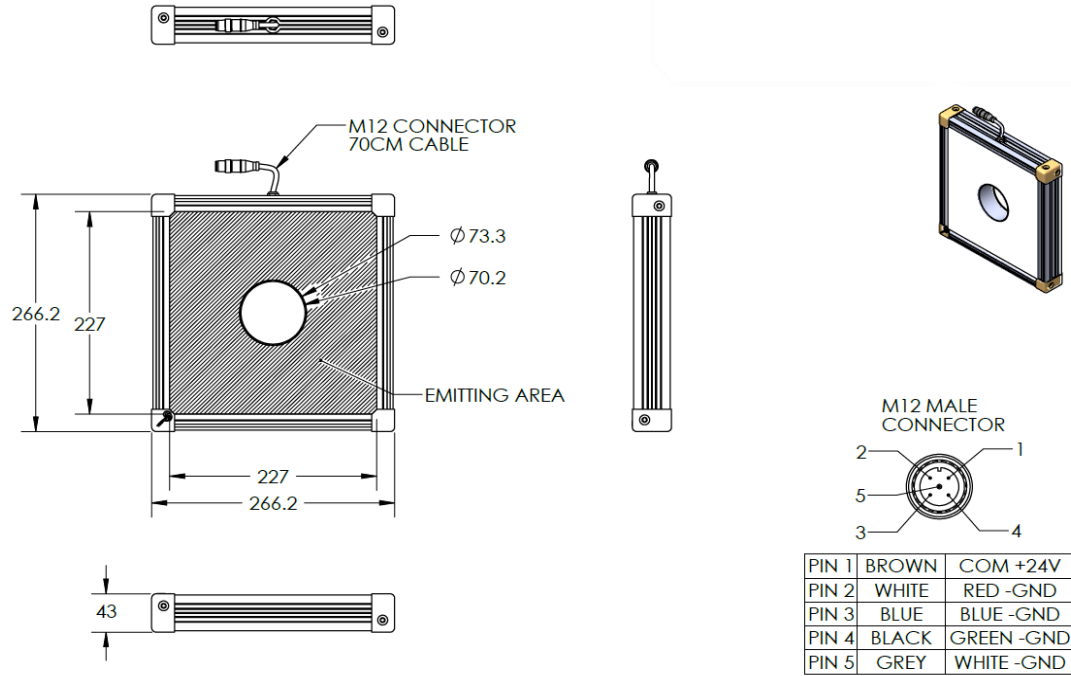


HBBQ-00-240X240-X-RGBW-24V

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><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.																														