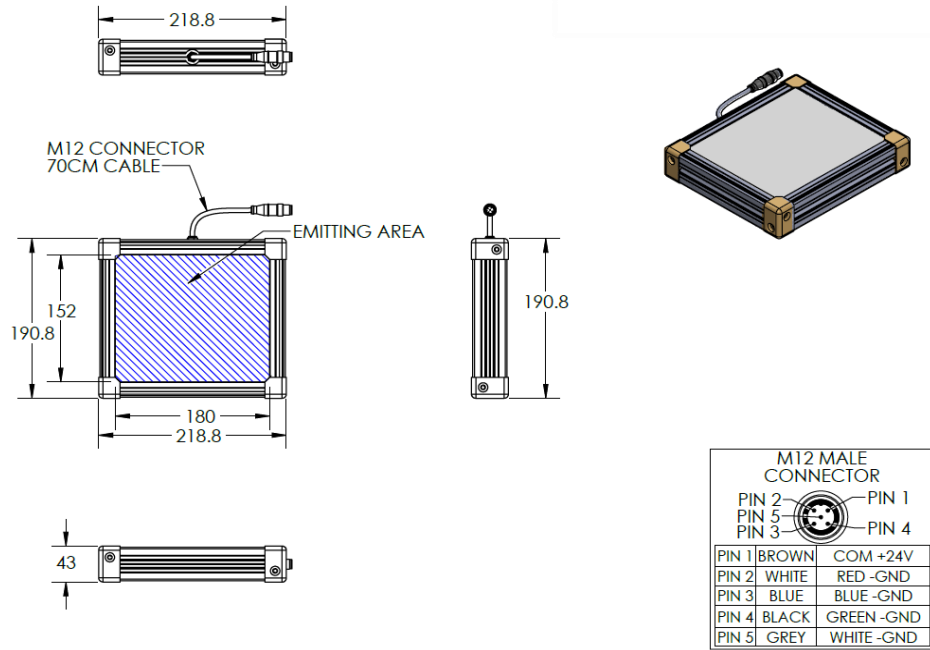


## HBQ3-00-152X180-X-RGBW-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1600 g
Outer Dimension	190.8 mm
Inner Diameter	218.8 mm
Thickness	43 mm



## HBQ3-00-152X180-X-RGBW-24V

Optical Information																																	
Part Number		HBQ3-00-152X180-X-RGBW-24V																															
LED Colour		RED			GREEN			BLUE			WHITE																						
Wavelength	(nm)	630			525			470			*Refer to the Chromaticity Table below																						
Intensity ( ±15%)	(Lux)	14200	9000	7400	23300	16300	13600	36000	27300	21000	26700	18700	16200																				
Working Distance	(mm)	250	350	450	250	350	450	250	350	450	250	350	450																				
Illumination (number of rows)		X																															
Illumination Active Area																																	
Active Length/ Outer Dimension		180																															
Active Width/ Inner Diameter		152																															
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)	1000			1000			1000			1000																						
Power Consumption	(W)	24			24			24			24																						
Lighting Casing Temperature, Operating after 60 minutes	°C	57.3																															
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)	3000			3000			3000			3000																						
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 Power Front Light																															
Application Use		Suitable for application that require high intensity illumination																															