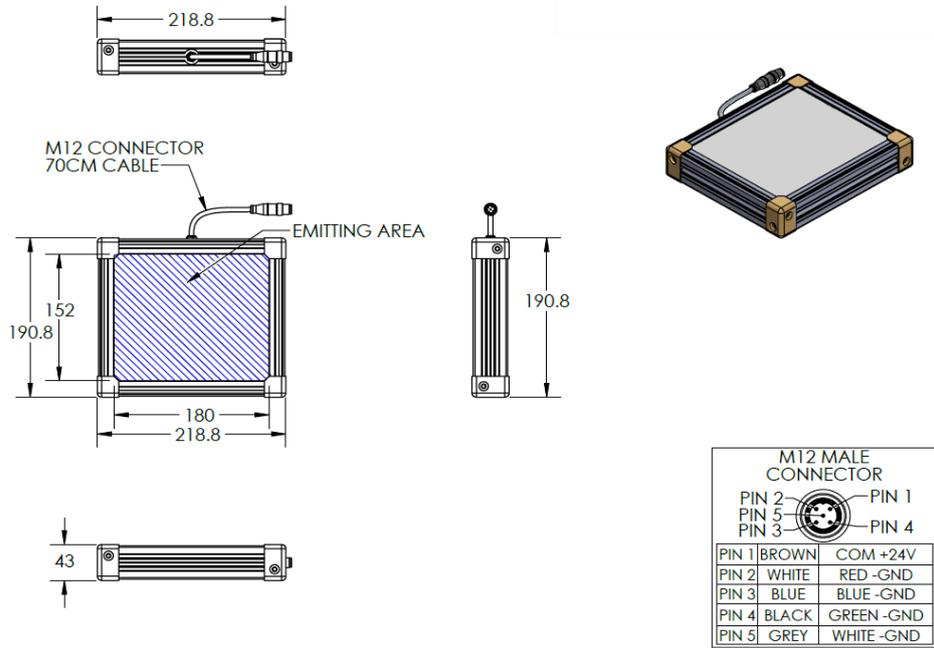


HBQ3-00-152X180-X-RGBW-24V

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 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)	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	<table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</th> <th>Cable Colour</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>24V</td> <td>BROWN</td> </tr> <tr> <td>2</td> <td>GND</td> <td>WHITE</td> </tr> <tr> <td>3</td> <td>GND</td> <td>BLUE</td> </tr> <tr> <td>4</td> <td>GND</td> <td>BLACK</td> </tr> <tr> <td>5</td> <td>GND</td> <td>GRAY</td> </tr> </tbody> </table>												Pin	Signal	Cable Colour	1	24V	BROWN	2	GND	WHITE	3	GND	BLUE	4	GND	BLACK	5	GND	GRAY		
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																															