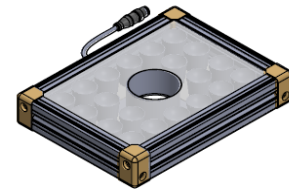
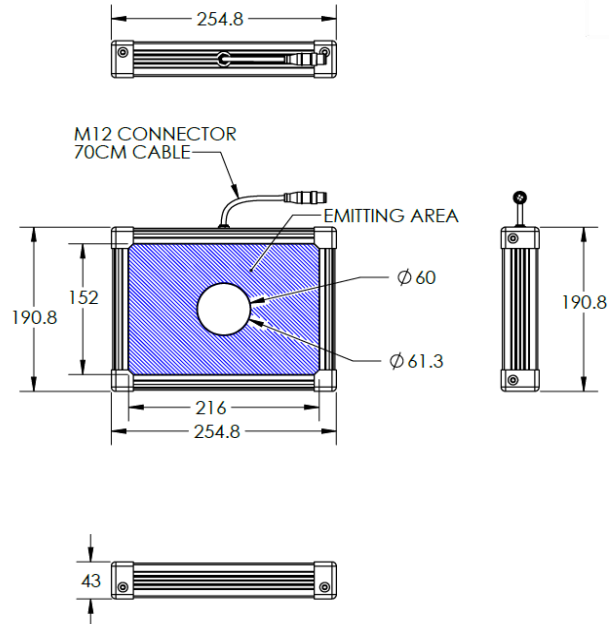


HBR3-00-152X216-X-RGBW-24V

Lighting Dimension



M12 MALE CONNECTOR		
PIN 2		PIN 1
PIN 5		PIN 4
PIN 3		
PIN 1	BROWN	COM +24V
PIN 2	WHITE	RED -GND
PIN 3	BLUE	BLUE -GND
PIN 4	BLACK	GREEN -GND
PIN 5	GREY	WHITE -GND



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1600 g
Outer Dimension	254.8 mm
Inner Diameter	190.8 mm
Thickness	43 mm



HBR3-00-152X216-X-RGBW-24V

Optical Information																																		
Part Number		HBR3-00-152X216-X-RGBW-24V																																
LED Colour		RED			GREEN			BLUE			WHITE																							
Wavelength	(nm)	630			525			470			*Refer to the Chromaticity Table below																							
Intensity (±15%)	(Lux)	10240	8400	7100	18450	15000	12700	27000	23600	19800	19700	17700	15000																					
Working Distance	(mm)	250	350	450	250	350	450	250	350	450	250	350	450																					
Illumination (number of rows)		X																																
Illumination Active Area																																		
Active Outer Dimension		216																																
Active 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)	1010			1070			1080			1120																							
Power Consumption	(W)	24.24			25.68			25.92			26.88																							
Lighting Casing Temperature, Operating after 60 minutes	°C	47.1																																
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)	3030			3210			3240			3360																							
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 with Centre Hole																																
Application Use		High power spot illumination with a centre hole which suitable for applications that requires high intensity illumination																																