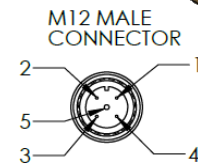
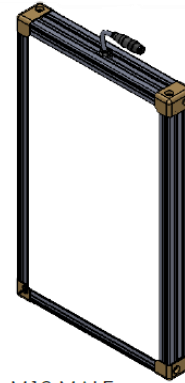
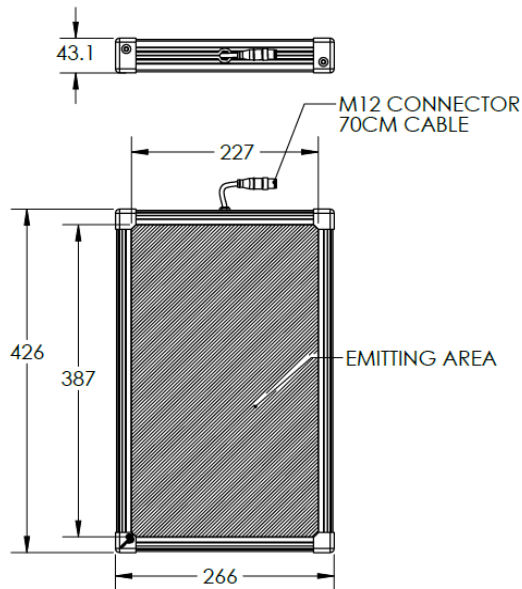


## HBBX-00-400X240-X-RGBW-24V

### Lighting Dimension



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	3000 g
Outer Dimension	426 mm
Inner Diameter	266 mm
Thickness	43.1 mm



## HBBX-00-400X240-X-RGBW-24V

Optical Information																																	
Part Number		HBBX-00-400X240-X-RGBW-24V																															
LED Colour		RED			GREEN			BLUE			WHITE																						
Wavelength	(nm)	630			525			470			*Refer to the Chromaticity Table below																						
Intensity ( ±15%)	(Lux)	28500	26400	25000	65800	61800	59200	76300	71200	68200	47300	44800	42900																				
Working Distance	(mm)	10	20	30	10	20	30	10	20	30	10	20	30																				
Illumination (number of rows)		X																															
Illumination Active Area																																	
Active Outer Dimension		387																															
Active Inner Diameter		227																															
Emission Angle	(deg.)	00																															
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)	2415			2625			2100			2415																						
Power Consumption	(W)	57.96			63			50.4			57.96																						
Lighting Casing Temperature, Operating after 60 minutes	°C	49.7																															
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)	7245			7278			6300			7245																						
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 Back Light																															
Application Use		Provide wide area of diffused back lighting. The LED arranged in a dense array and shine into a diffuser																															