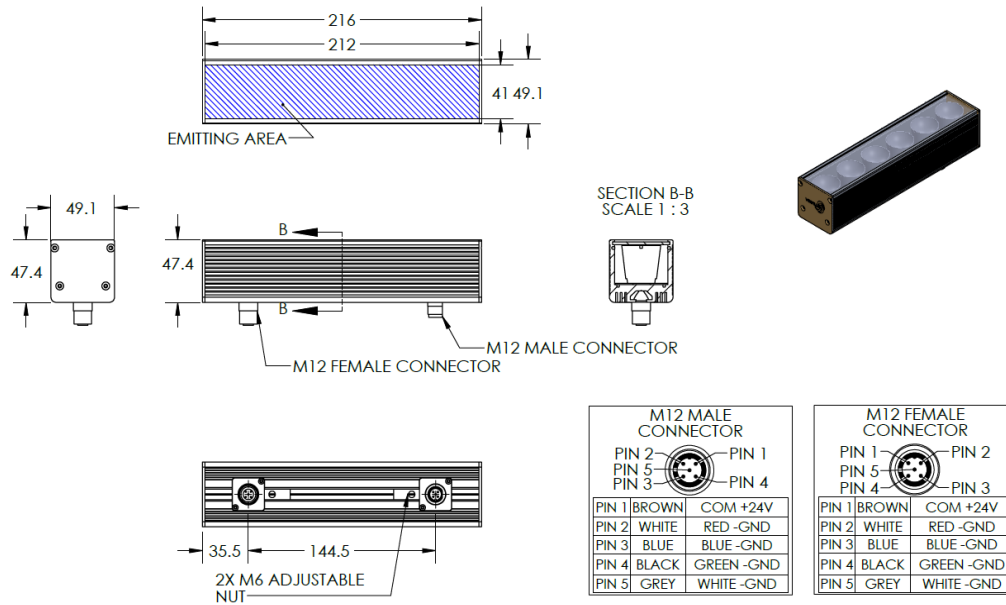


HBL3-00-200-1-RGBW-24V

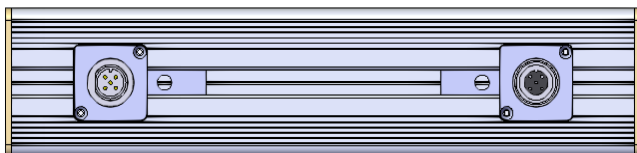

Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	900 g
Outer Dimension	216 mm
Inner Diameter	41 mm
Thickness	49.1 mm



HBL3-00-200-1-RGBW-24V

Optical Information																																
Part Number	HBL3-00-200-1-RGBW-24V																															
LED Colour		RED			GREEN			BLUE			WHITE																					
Wavelength	(nm)	630			525			470			*Refer to the Chromaticity Table below																					
Intensity (±15%)	(Lux)	13000	6700	1870	21800	10500	3290	33900	18500	5240	24800	12500	4500																			
Working Distance	(mm)	100	200	500	100	200	500	100	200	500	100	200	500																			
Illumination (number of rows)		1																														
Illumination Active Area																																
Active Outer Dimension		212																														
Active Inner Diameter		41																														
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)	250			250			250			250																					
Power Consumption	(W)	6			6			6			6																					
Lighting Casing Temperature, Operating after 60 minutes	°C	TBA																														
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)	750			750			750			750																					
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		ANG, SD, SDA and ST series																														
CE Conformity		YES																														
RoHS Compliance		YES																														
Connection																																
Connector Type (default)		M12 5 PIN CONNECTOR (MALE)						M12 5 PIN CONNECTOR (FEMALE)																								
Cable Length (out from lighting)	(mm)	-						-																								
Pin Configuration		Pin	Signal	Cable Colour	Pin	Signal	Cable Colour	Pin	Signal	Cable Colour	Pin	Signal	Cable Colour																			
		1	24V	BROWN	1	24V	BROWN	1	24V	BROWN	1	24V	BROWN																			
		2	GND	WHITE	2	GND	WHITE	2	GND	WHITE	2	GND	WHITE																			
		3	GND	BLUE	3	GND	BLUE	3	GND	BLUE	3	GND	BLUE																			
		4	GND	BLACK	4	GND	BLACK	4	GND	BLACK	4	GND	BLACK																			
		5	GND	GRAY	5	GND	GRAY	5	GND	GRAY	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)	3000																														
Extension Cable (connect to M12 5 Pin Male Connector from lighting)																																
Application																																
Illumination Type		High Luminosity Line Bar Light																														
Application Use		Robotic picking, inspection for parts identification & missing parts, visual inspection for large workpiece, measuring stamp dimensions for press products																														