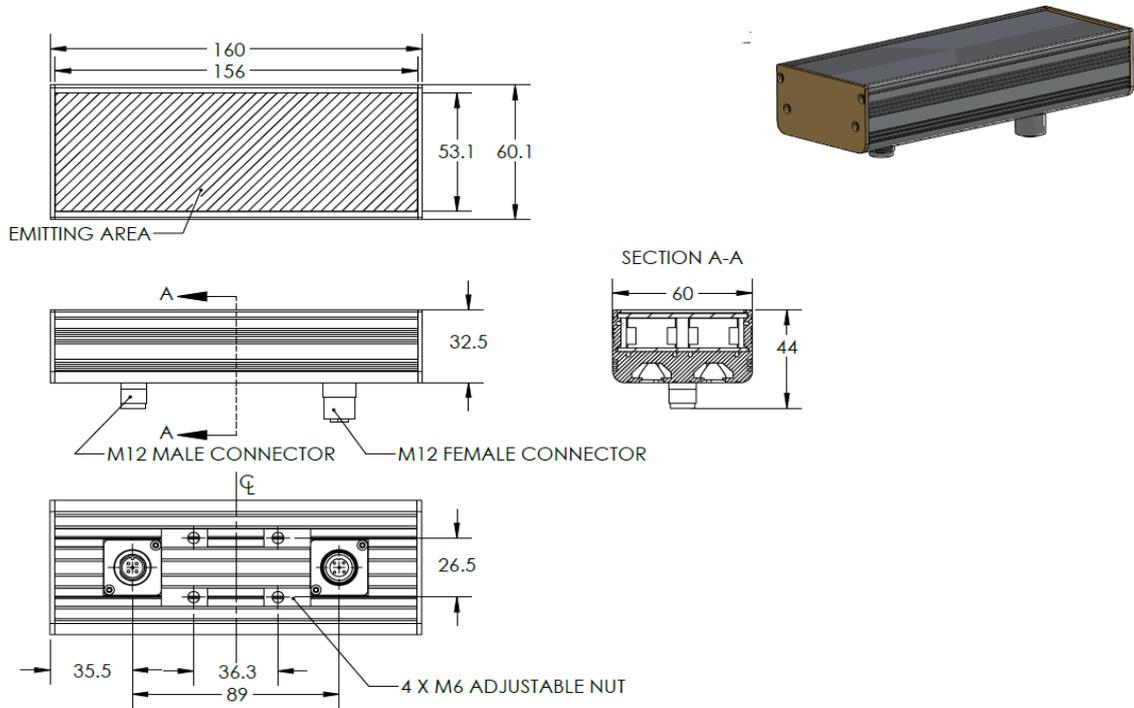


## HBL3-00-160-2-W-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	600 g
Length / Outer Diameter	160 mm
Width / Inner Diameter	60.1 mm
Thickness / Height	32.5 mm



# ILLUMINATOR DATA

## HBL3-00-160-2-W-24V

Optical Information		HBL3-00-160-2-W-24V																										
Part Number		HBL3-00-160-2-W-24V																										
LED Colour		WHITE																										
Wavelength	(nm)	* Refer to the Chromaticity Table Below																										
Intensity ( ±15%)	(Lux)	53300			25000																							
Working Distance	(mm)	100			200																							
Illumination (number of rows)		2																										
Illumination Active Area																												
Active Length	(mm)	156																										
Active Width	(mm)	53.1																										
Emission Angle	(deg.)	0																										
Eye Safety Class ( IEC62471)		EXEMPT																										
<b>*CHROMATICITY TABLE</b>		<table border="1"> <tr> <td>X</td> <td>0.296</td> <td>0.287</td> <td>0.307</td> <td>0.311</td> <td></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></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)	160																										
Power Consumption	(W)	3.84																										
Lighting Casing Temperature, Operating after 60 minutes	°C	58.8																										
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. 10 msec) (constant current power supply)	(mA)	480																										
Max. Trigger Pulse Duration	(msec)	10																										
Duty Cycle		0-10%																										
Additional Information																												
Additional Cooling Method		Attached to machine part for better heat dissipation																										
Intensity Controller Selection		ANG, SD, SDA and 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	-	WHITE																								
		3	GND	BLUE																								
		4	-	BLACK																								
		5	-	GRAY																								
Extension Cable																												
Connector Type (default)		M12 5 PIN CONNECTOR (FEMALE)																										
Part Number		EXT-FL-M12F-3M-24V																										
Cable Length (out from female connector)	(mm)	3000																										
Extension Cable (connect to M12 5 Pin Male Connector from lighting)																												
Application																												
Illumination Type		HIGH INTENSITY BACKLIGHT																										
Application Use		High Power Bar Illumination which is suitable for application that requires high intensity illumination																										