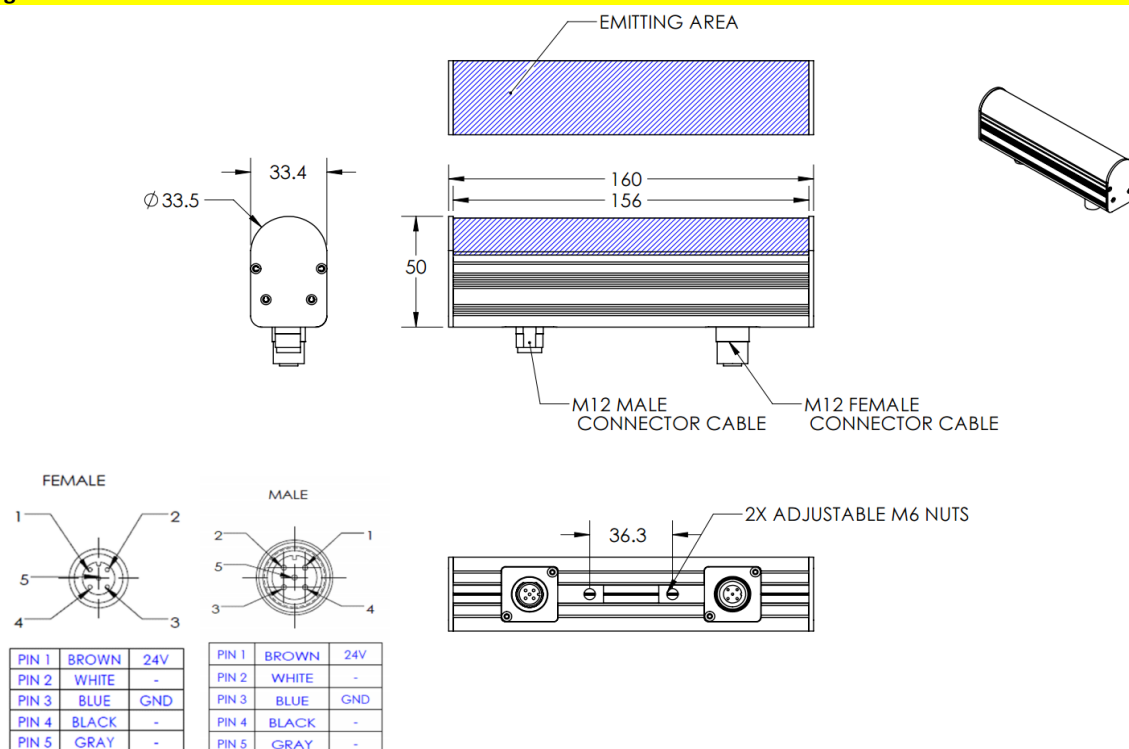


## HLBD3-00-160-1-W-24V



### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	320 g
Length / Outer Diameter	160 mm
Width / Inner Diameter	33.4 mm
Thickness / Height	50 mm



## HLBD3-00-160-1-W-24V

Optical Information																													
Part Number		HLBD3-00-160-1-W-24V																											
LED Colour		WHITE																											
Wavelength	(nm)	* Refer to the Chromaticity Table Below																											
Intensity ( ±15%)	(Lux)	9207			7884			6966																					
Working Distance	(mm)	90			100			110																					
Illumination (number of rows)		1																											
Illumination Active Area																													
Active Length / Outer Diameter	(mm)	156																											
Active Width / Inner Diameter	(mm)	33.4																											
Emission Angle	(deg.)	0																											
Eye Safety Class ( IEC62471)		EXEMPT																											
*CHROMATICITY TABLE		<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td></tr></table>				X	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	<table><tr><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>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table>				X	0.311	0.307	0.33	0.33	Y	0.294	0.315	0.339	0.318
X	0.296	0.287	0.307	0.311																									
Y	0.276	0.295	0.315	0.294																									
X	0.311	0.307	0.33	0.33																									
Y	0.294	0.315	0.339	0.318																									
Electrical Information																													
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																											
Continuous Current	(mA)	204																											
Power Consumption	(W)	4.90																											
Lighting Casing Temperature, Operating after 60 minutes	°C	50.00																											
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)	612																											
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		ST/SDA-Series																											
CE Conformity		YES																											
RoHS Compliance		YES																											
Connection																													
Connector Type (default)		M12 5 PIN MALE CONNECTOR				M12 5 PIN FEMALE CONNECTOR																							
Cable Length (out from lighting)	(mm)	-				-																							
Pin Configuration		Pin	Colour	Signal	Pin	Colour	Signal																						
		1	Brown	24V	1	Brown	24V																						
		2	White	-	2	White	-																						
		3	Blue	GND	3	Blue	GND																						
		4	Black	-	4	Black	-																						
		5	Gray	-	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		Diffused Illumination																											
Application Use		Character recognition on shining surface, lead inspection.																											