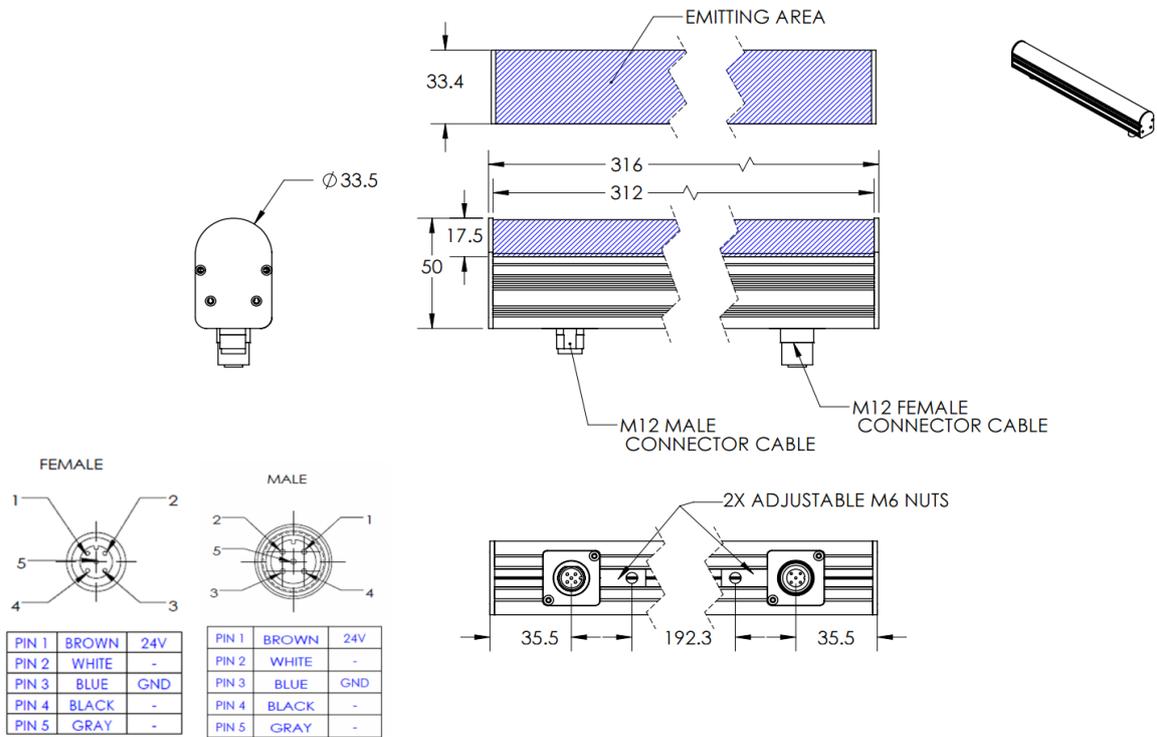


HLBD3-00-320-1-W-24V

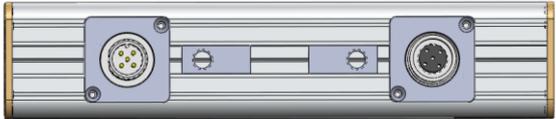
Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	515 g
Length / Outer Diameter	316 mm
Width / Inner Diameter	33.5 mm
Thickness / Height	50 mm



HLBD3-00-320-1-W-24V

Optical Information																											
Part Number	HLBD3-00-320-1-W-24V																										
LED Colour	WHITE																										
Wavelength	(nm)	* Refer to the Chromaticity Table Below																									
Intensity (±15%)	(Lux)	5670	4770	4230																							
Working Distance	(mm)	90	100	110																							
Illumination (number of rows)		1																									
Illumination Active Area																											
Active Length / Outer Diameter	(mm)	312																									
Active Width / Inner Diameter	(mm)	33.4																									
Emission Angle	(deg.)	0																									
Eye Safety Class (IEC62471)		EXEMPT																									
*CHROMATICITY TABLE		<table border="1"> <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 border="1"> <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
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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)	408																									
Power Consumption	(W)	9.8																									
Lighting Casing Temperature, Operating after 60 minutes	°C	52.6																									
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)	1224																									
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.																									