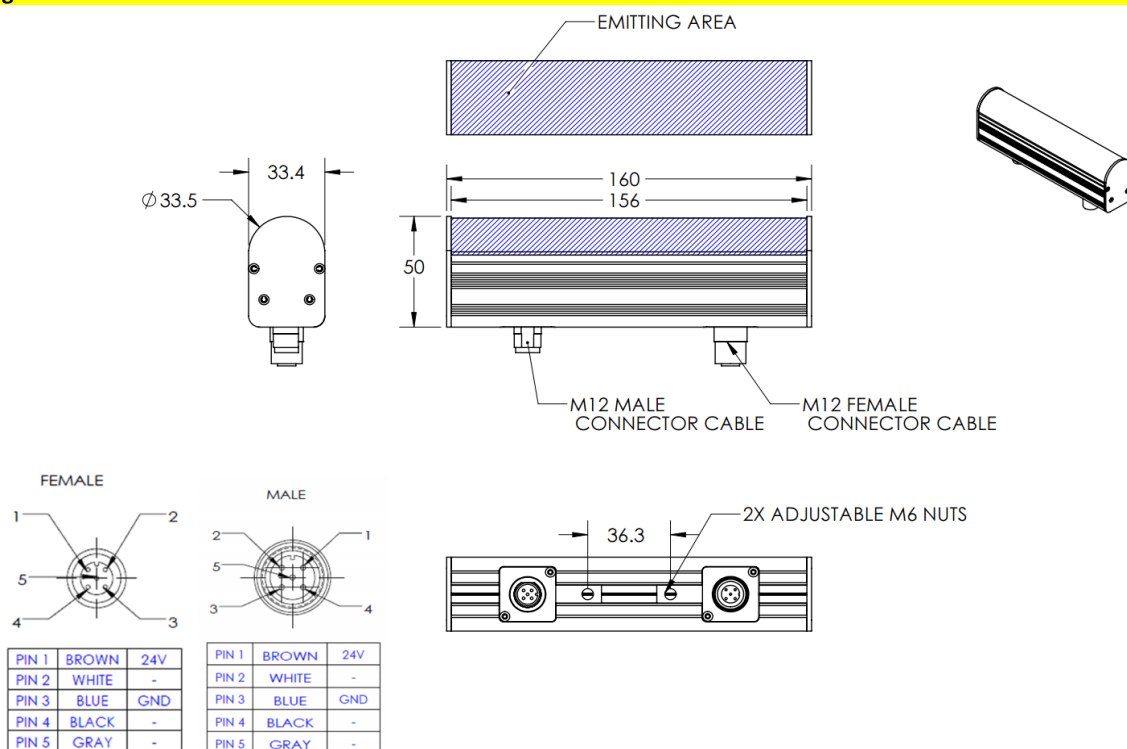


HLBD3-00-160-1-B-24V



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-B-24V

| Optical Information | | | | | | | |
|--|--------|--|--------|--------|----------------------------|--------|--------|
| Part Number | | HLBD3-00-160-1-B-24V | | | | | |
| LED Colour | | BLUE | | | | | |
| Wavelength | (nm) | 470 | | | | | |
| Intensity (±15%) | (Lux) | 2620 | 2243 | 1982 | | | |
| 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) | | II | | | | | |
| | | | | | | | |
| 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. | | | | | |