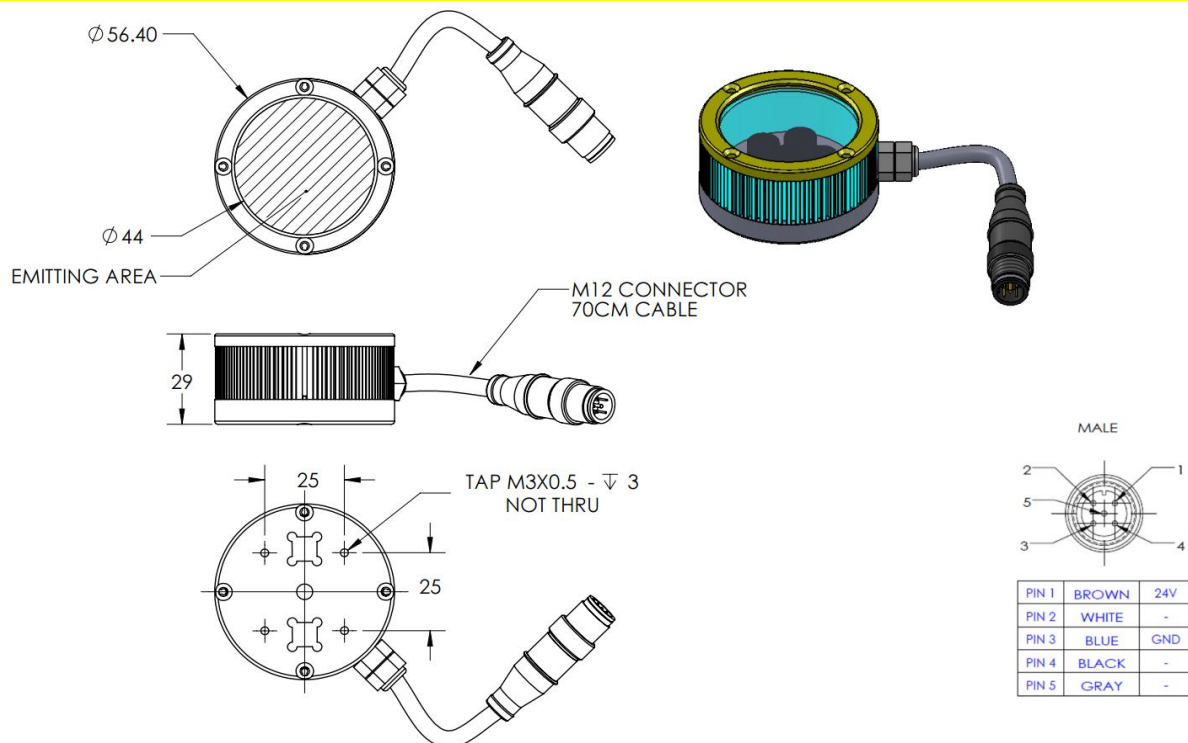


HSBT2-00-060-X-W-24V

Lighting Dimension



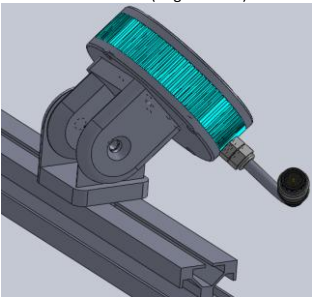
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	145 g
Length / Outer Diameter	56.40 mm
Width / Inner Diameter	-
Thickness / Height	29 mm



HSBT2-00-060-X-W-24V

Optical Information																															
Part Number		HSBT2-00-060-X-W-24V																													
LED Colour		WHITE																													
Wavelength	(nm)	* Refer to the Chromaticity Table Below																													
Intensity (±15%)	(Lux)	10436				8843				7047																					
Working Distance	(mm)	200				220				250																					
Illumination (number of rows)		X																													
Illumination Active Area																															
Active Diameter	(mm)	44																													
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)	150																													
Power Consumption	(W)	3.60																													
Lighting Casing Temperature, Operating after 60 minutes	°C	53.2																													
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)	450																													
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		SD / SDA-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		Spot Light																													
Application Use		Inspecting alignment of LCDs or circuit boards, light source for telecentric lens, dimension measuring and spot illumination, wafer inspection																													

HSBT2-00-060-X-W-24V

Advantages	
Easy Mounting	<p>Join Bracket (Angle Mount)</p> 

Uniform Graph (Relative Irradiation Strength) - Representative pattern

LENS FOCAL LENGTH, F = 6 mm

CWD = 400 mm

LWD = 400 mm

Lighting Angle = 20°

COLOUR	TOLERANCE	L X W
Yellow	± 15 %	150 X 160
Green	± 20 %	177 X 190
Blue	± 25 %	205 X 220
Purple	± 30 %	430 X 320

* Each individual box is 5 X 5 mm.

**Disclaimer : The graph portrayed is for reference only and does not in any way guarantee the quality of this product.*