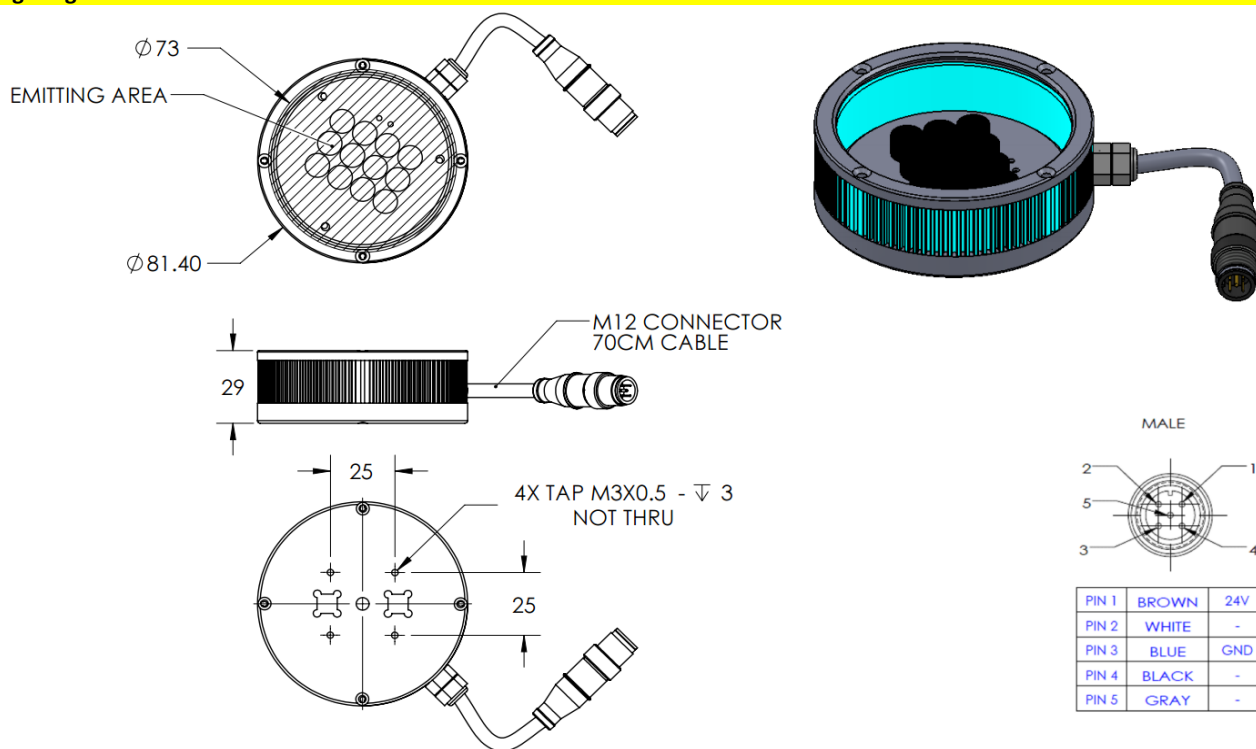


HSBT2-00-080-X-W-24V

Lighting Dimension



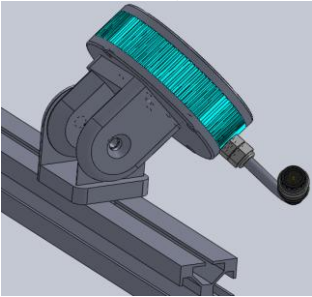
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	220 g
Length / Outer Diameter	81.40 mm
Width / Inner Diameter	-
Thickness / Height	29 mm



HSBT2-00-080-X-W-24V

Optical Information																													
Part Number		HSBT2-00-080-X-W-24V																											
LED Colour		WHITE																											
Wavelength	(nm)	* Refer to the Chromaticity Table Below																											
Intensity (±15%)	(Lux)	16997				14459		11381																					
Working Distance	(mm)	200				220		250																					
Illumination (number of rows)		X																											
Illumination Active Area																													
Active Diameter	(mm)	73																											
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)	300																											
Power Consumption	(W)	7.2																											
Lighting Casing Temperature, Operating after 60 minutes	°C	60.3																											
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)	900																											
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																											

HSBT2-00-080-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.*