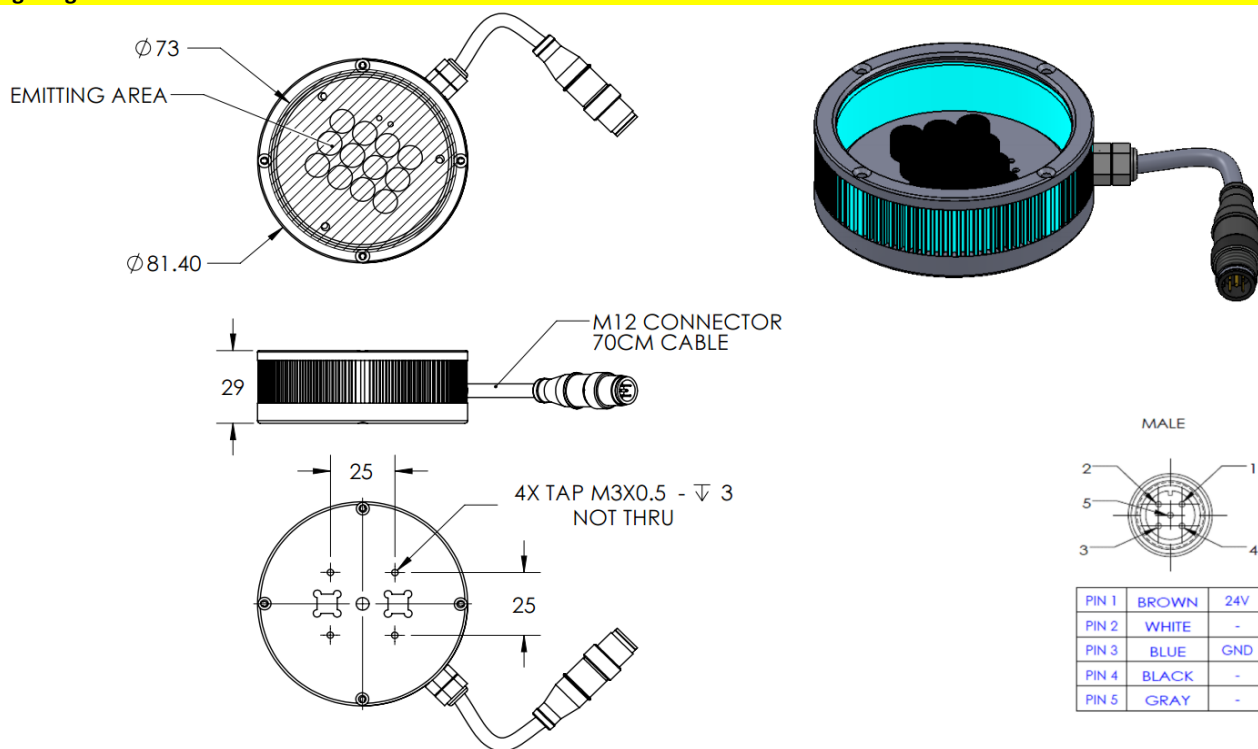


HSBT2-00-080-X-B-24V

Lighting Dimension



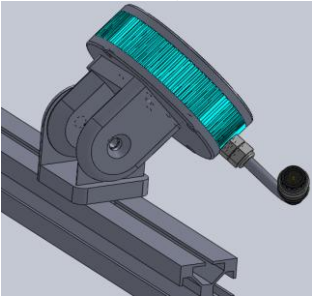
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	220 g
Length / Outer Diameter	81.40 mm
Width / Inner Diameter	-
Thickness / Height	29 mm



HSBT2-00-080-X-B-24V

Optical Information				
Part Number		HSBT2-00-080-X-B-24V		
LED Colour		BLUE		
Wavelength	(nm)	470		
Intensity (±15%)	(Lux)	3409	2900	2282
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)		II		
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-B-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

A schematic diagram showing a camera and a lighting source positioned above a rectangular base. The camera is mounted on a vertical stand of height CWD (Camera Working Distance). The lighting source is mounted on a stand of height LWD (Lighting Working Distance) and is tilted at an angle of 20.00° relative to the vertical. The base is represented by a hatched rectangle.

A circular graph on a grid background, representing the relative irradiation strength. The graph consists of concentric rings of color: a central yellow circle, followed by a green ring, a blue ring, and an outer purple ring. The colors represent different levels of irradiation strength, with yellow being the highest and purple being the lowest.

* 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.*