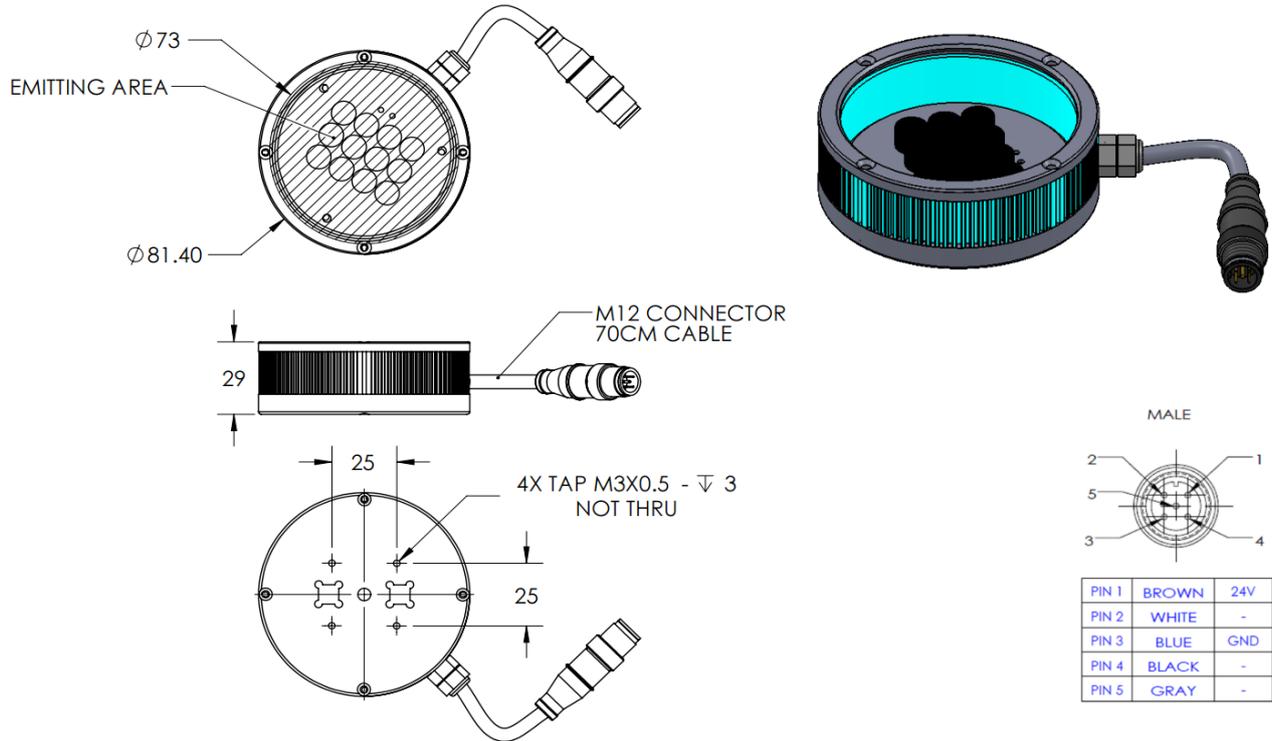


HSBT2-00-080-X-R-24V

Lighting Dimension



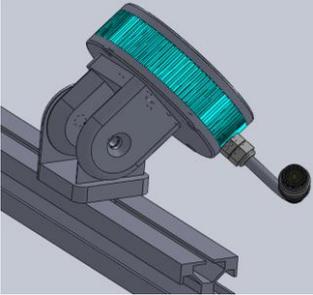
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	220 g
Length / Outer Diameter	81.40 mm
Width / Inner Diameter	-
Thickness / Height	29 mm

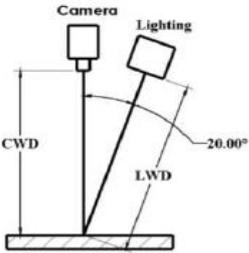
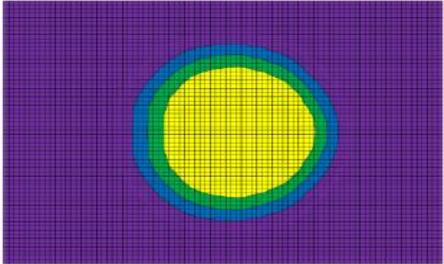


HSBT2-00-080-X-R-24V

Optical Information			
Part Number	HSBT2-00-080-X-R-24V		
LED Colour	RED		
Wavelength	(nm)	630	
Intensity (±15%)	(Lux)	11316	9408 7404
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		
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	82.3	
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-R-24V

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

Uniform Graph (Relative Irradiation Strength) - Representative pattern																	
<p>LENS FOCAL LENGTH, F = 6 mm</p> <p>CWD = 400 mm Lighting Angle = 20°</p> <p>LWD = 400 mm</p>																	
<table border="1"> <thead> <tr> <th>COLOUR</th> <th>TOLERANCE</th> <th>L X W</th> </tr> </thead> <tbody> <tr> <td style="background-color: yellow;">Yellow</td> <td>± 15 %</td> <td>150 X 160</td> </tr> <tr> <td style="background-color: green;">Green</td> <td>± 20 %</td> <td>177 X 190</td> </tr> <tr> <td style="background-color: blue;">Blue</td> <td>± 25 %</td> <td>205 X 220</td> </tr> <tr> <td style="background-color: purple;">Purple</td> <td>± 30 %</td> <td>430 X 320</td> </tr> </tbody> </table>	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		 <p>* Each individual box is 5 X 5 mm.</p>
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<p><i>*Disclaimer : The graph portrayed is for reference only and does not in any way guarantee the quality of this product.</i></p>																	