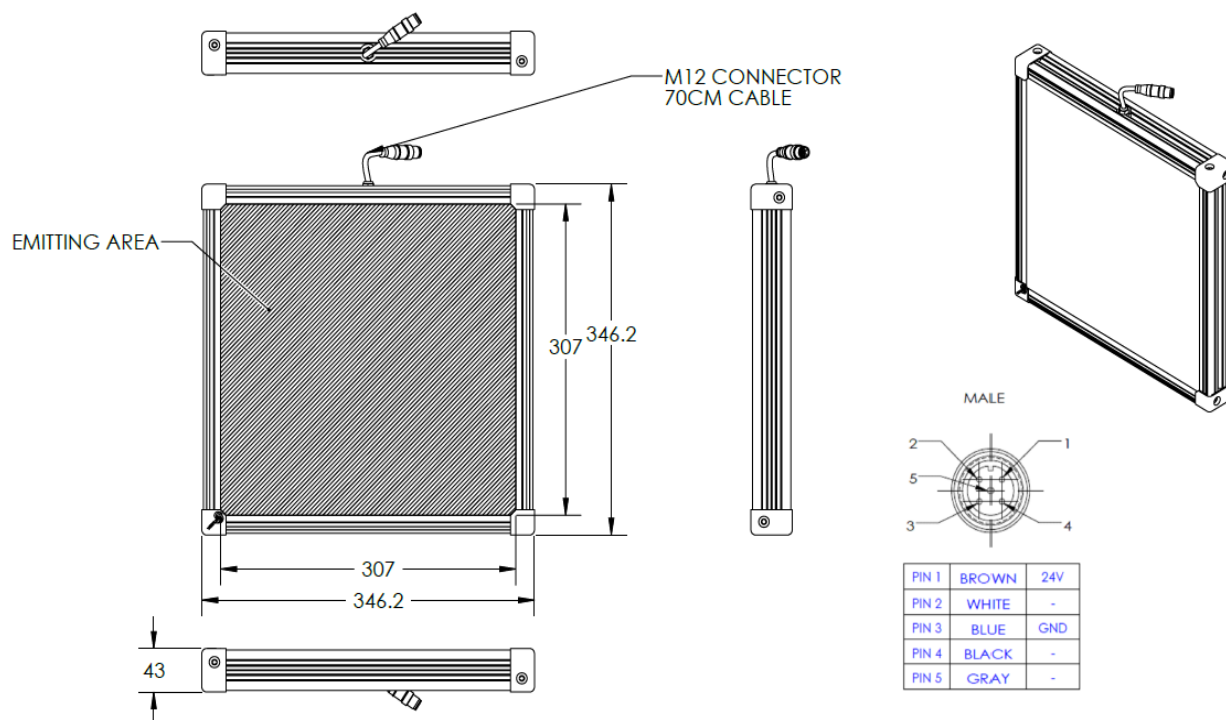


HBBX-00-320X320-X-B-24V

Lighting Dimension



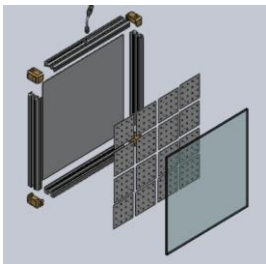
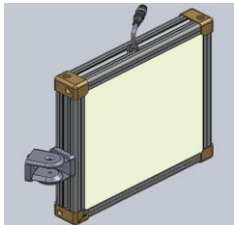
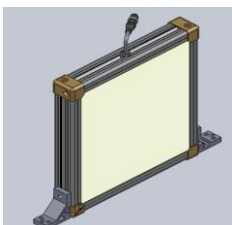
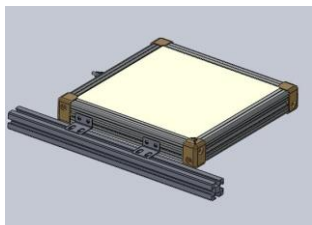
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	2880 g
Length / Outer Diameter	346.2 mm
Width / Inner Diameter	346.2 mm
Thickness / Height	43 mm



HBBX-00-320X320-X-B-24V

Optical Information				
Part Number		HBBX-00-320X320-X-B-24V		
LED Colour		BLUE		
Wavelength	(nm)	470		
Intensity (±15%)	(Lux)	9750	9197	8814
Working Distance	(mm)	10	20	30
Illumination (number of rows)		X		
Illumination Active Area				
Active Length	(mm)	307		
Active Width	(mm)	307		
Emission Angle	(deg.)	0		
Eye Safety Class (IEC62471)		II		
Electrical Information				
Lighting Supply Voltage (constant voltage mode)		24V ± 2%		
Continuous Current	(mA)	2000		
Power Consumption	(W)	48		
Lighting Casing Temperature, Operating after 60 minutes	°C	56.1		
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)	6000		
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		Backlight Illumination		
Application Use		Lead frame inspection, shape recognition, size measurement		

HBBX-00-320X320-X-B-24V

Advantages	
PCBA Cascade	
Easy Mounting	Join Bracket (Angle Mount) 
	L Bracket (Vertical Mount) 
	L-shaped Plate (Horizontal Mount) 

Uniform Graph (Relative Irradiation Strength) - Representative pattern

COLOUR	TOLERANCE	L X W
Red	± 5 %	195 X 205
Orange	± 10 %	235 X 240
Yellow	± 15 %	265 X 275
Green	± 20 %	285 X 285
Blue	± 25 %	295 X 295
Purple	± 30 %	305 X 305