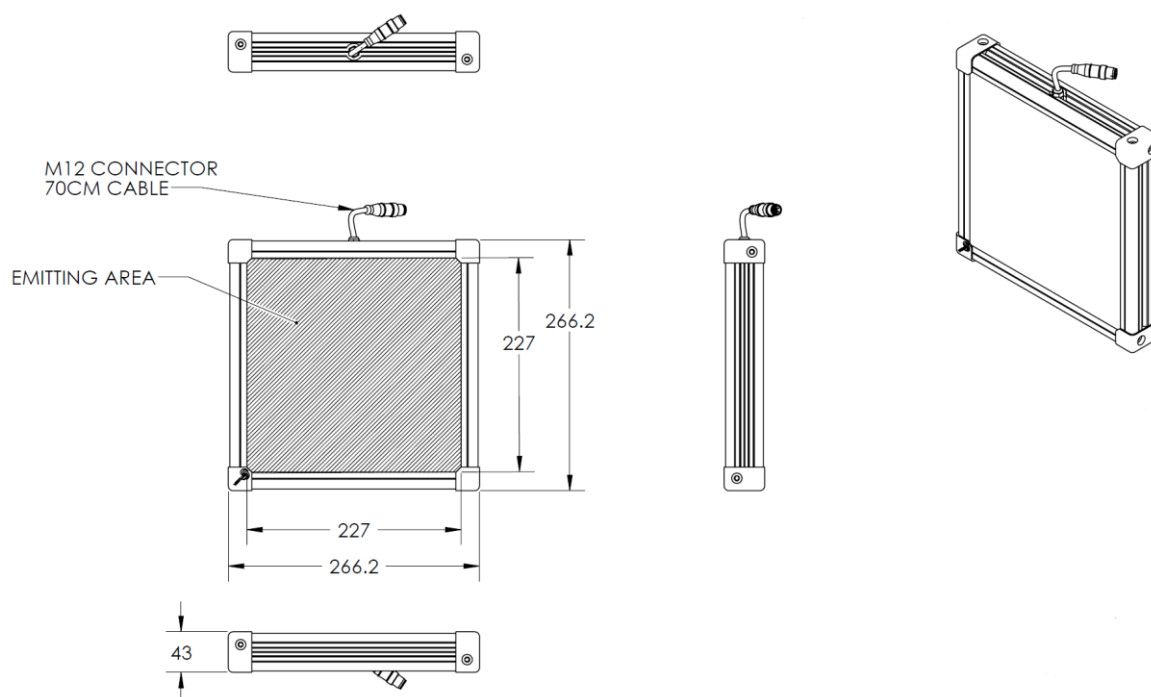


HBBX-00-240X240-X-B-24V

Lighting Dimension



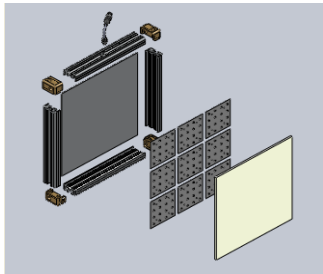
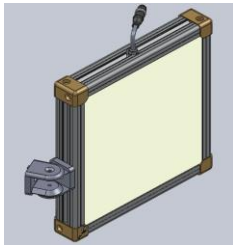
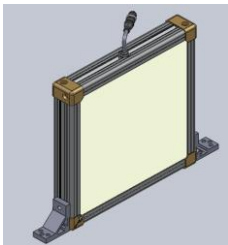
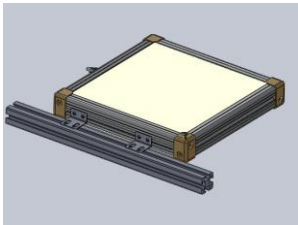
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1900 g
Length / Outer diameter	266.2 mm
Width / Inner diameter	266.2 mm
Thickness	43 mm



HBBX-00-240X240-X-B-24V

Optical Information				
Part Number		HBBX-00-240X240-X-B-24V		
LED Colour		BLUE		
Wavelength	(nm)	470		
Intensity (±15%)	(Lux)	8910	8335	7808
Working Distance	(mm)	10	20	30
Illumination (number of rows)		X		
Illumination Active Area				
Active Length	(mm)	227		
Active Width	(mm)	227		
Emission Angle	(deg.)	0		
Eye Safety Class (IEC62471)		II		
Electrical Information				
Lighting Supply Voltage (constant voltage mode)		24V ± 2%		
Continuous Current	(mA)	1125		
Power Consumption	(W)	27		
Lighting Casing Temperature, Operating after 60 minutes	°C	55.7		
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)	3375		
Max. Trigger Pulse Duration	(msec)	10		
Duty Cycle		0-10%		
Additional Information				
Additional Cooling Method		Attached to machine part for better heat dissipation		
Lifespan in Continuous Mode		20,000 hours (drop to 50% intensity) at 25°C		
Lifespan in Strobe Mode		Est. >50,000 hours (drop to 50% intensity) at 25°C		
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-00-240X240-X-B-24V

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

Uniformity Graph (Relative Irradiation Brightness) - Representative Pattern

COLOUR	TOLERANCE	L X W
Red	± 5 %	150 X 145
Orange	± 10 %	180 X 175
Yellow	± 15 %	200 X 200
Green	± 20 %	217 X 215
Blue	± 25 %	223 X 220
Purple	± 30 %	225 X 225

