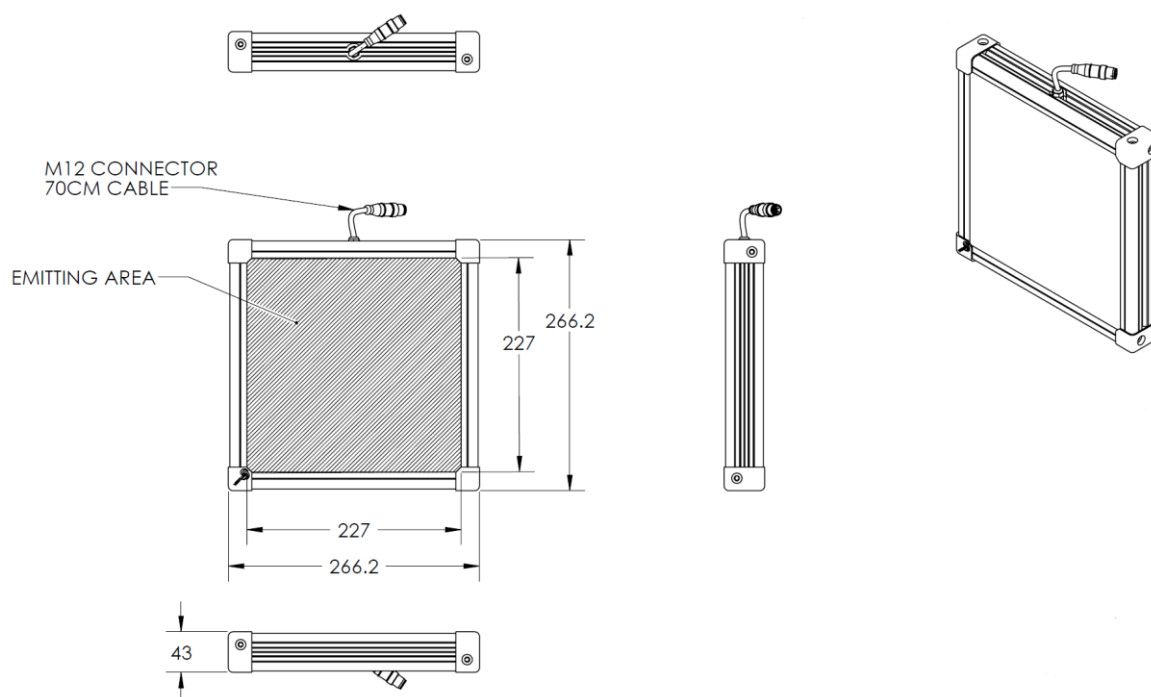


## HBBX-00-240X240-X-W-24V

### Lighting Dimension



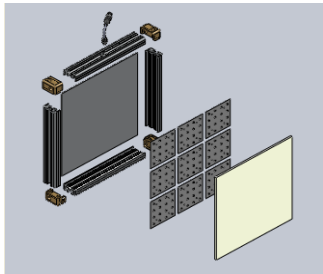
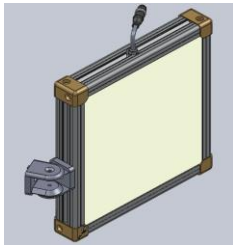
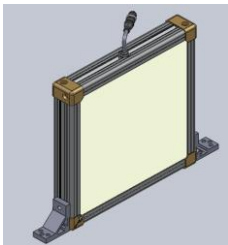
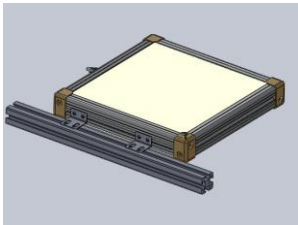
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1900 g
Length / Outer Diameter	266.2 mm
Width / Inner Diameter	266.2 mm
Thickness	43 mm



## HBBX-00-240X240-X-W-24V

Optical Information											
Part Number		HBBX-00-240X240-X-W-24V									
LED Colour		WHITE									
Wavelength	(nm)	*CHROMATICITY TABLE									
Intensity ( ±15%)	(Lux)	25110					23490		22005		
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)		EXEMPT									
*CHROMATICITY TABLE		X	0.296	0.287	0.307	0.311	X	0.311	0.307	0.33	0.33
		Y	0.276	0.295	0.315	0.294	Y	0.294	0.315	0.339	0.318
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-W-24V

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

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

