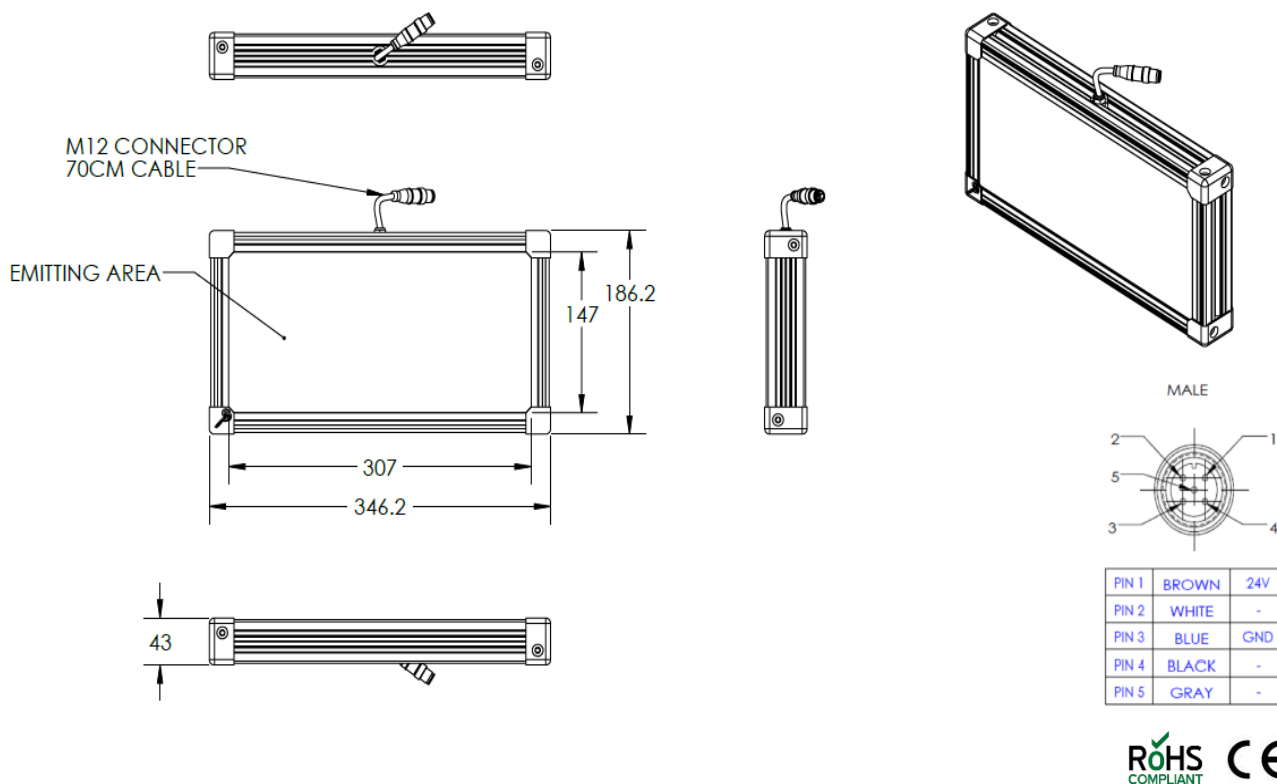


HBBX-00-160X320-X-W-24V

Lighting Dimension



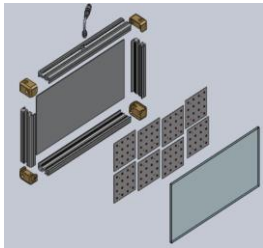
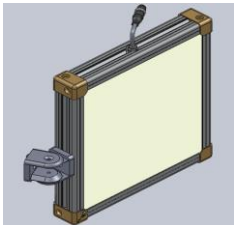
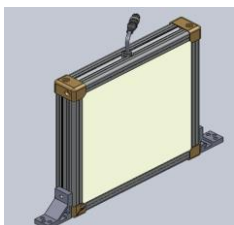
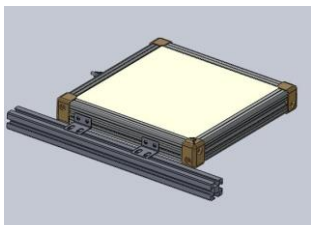
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1870 g
Length / Outer Diameter	346.2 mm
Width / Inner Diameter	186.2 mm
Thickness / Height	43 mm



HBBX-00-160X320-X-W-24V

Optical Information											
Part Number		HBBX-00-160X320-X-W-24V									
LED Colour		WHITE									
Wavelength	(nm)	*Refer to the Chromaticity Table below									
Intensity (±15%)	(Lux)	27120					25080		23280		
Working Distance	(mm)	10					20		30		
Illumination (number of rows)		X									
Illumination Active Area											
Active Length	(mm)	307									
Active Width	(mm)	147									
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)	1000									
Power Consumption	(W)	24									
Lighting Casing Temperature, Operating after 60 minutes	°C	52.6									
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)	3000									
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-00-160X320-X-W-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 %	191 X 85
Orange	± 10 %	232 X 106
Yellow	± 15 %	268 X 121
Green	± 20 %	295 X 132
Blue	± 25 %	300 X 140
Purple	± 30 %	305 X 145

