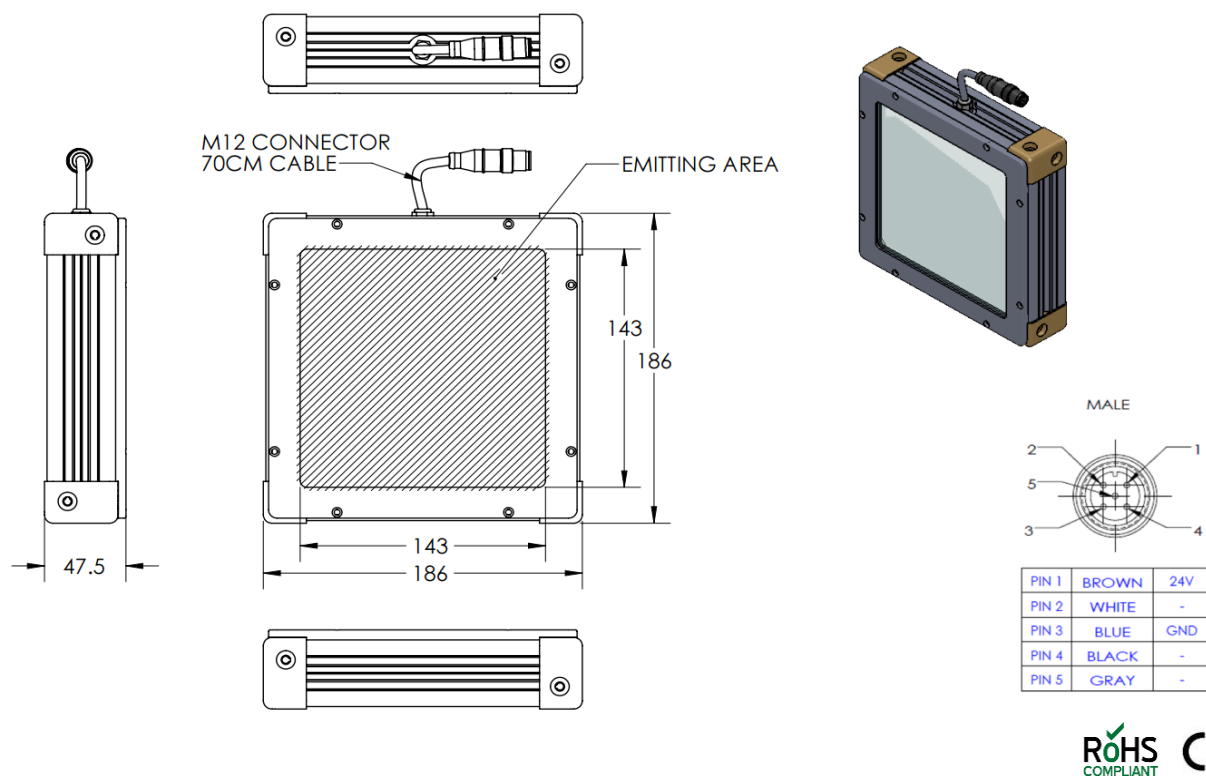


## HBBC-00-160X160-X-R-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1380 g
Length / Outer Diameter	186 mm
Width / Inner Diameter	186 mm
Thickness / Height	47.5 mm



## HBBC-00-160X160-X-R-24V

Optical Information				
Part Number		HBBC-00-160X160-X-R-24V		
LED Colour		RED		
Wavelength	(nm)	630		
Intensity ( ±15%)	(Lux)	7788	7032	6420
Working Distance	(mm)	10	20	30
Illumination (number of rows)		X		
Illumination Active Area				
Active Length	(mm)	143		
Active Width	(mm)	143		
Emission Angle	(deg.)	0		
Eye Safety Class ( IEC62471)		EXEMPT		
Electrical Information				
Lighting Supply Voltage (constant voltage mode)		24V ± 2%		
Continuous Current	(mA)	480		
Power Consumption	(W)	11.52		
Lighting Casing Temperature, Operating after 60 minutes	°C	50		
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)	1440		
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		

## HBBC-00-160X160-X-R-24V

### Uniform Graph ( Relative Irradiation Strength) - Representative pattern

Lens focal length,  $f = \text{infinity}$   
 CWD = 430mm  
 LWD = 430mm  
 Lighting angle:  $0^\circ$

Tolerance %	L X W
10%	81 X 94
20%	117 X 127
30%	134 X 140
40%	142 X 144

