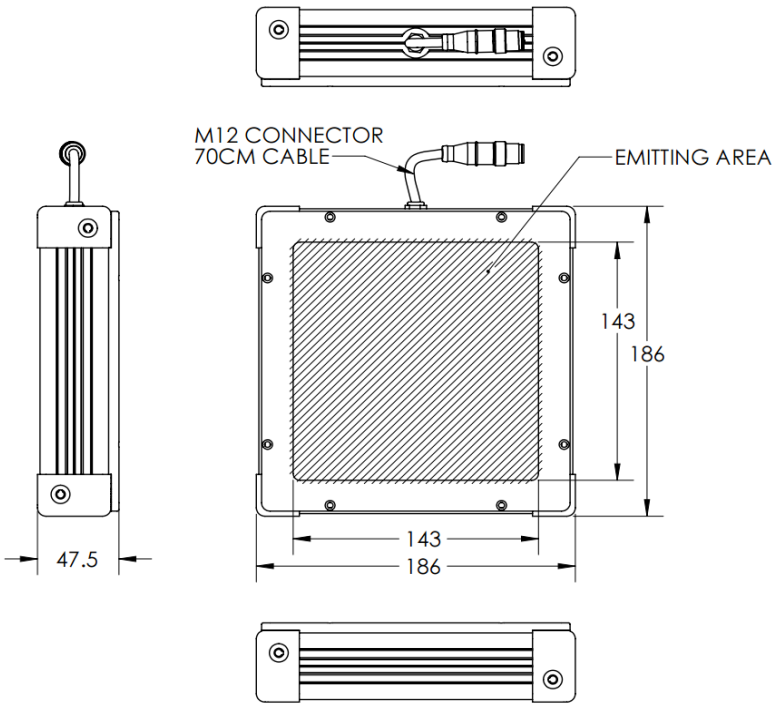
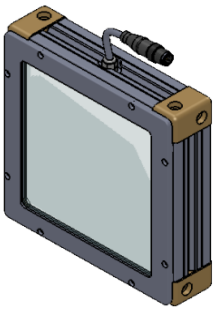
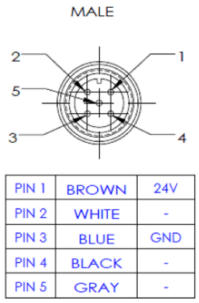
ILLUMINATOR DATA

HBBC-00-160X160-X-G-24V

Lighting Dimension







PIN 1	BROWN	24V
PIN 2	WHITE	-
PIN 3	BLUE	GND
PIN 4	BLACK	-
PIN 5	GRAY	-

RoHS COMPLIANT CE

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-G-24V

Optical Information				
Part Number		HBBC-00-160X160-X-G-24V		
LED Colour		GREEN		
Wavelength	(nm)	525		
Intensity (±15%)	(Lux)	26160	23520	21360
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)	500
Power Consumption	(W)	12
Lighting Casing Temperature, Operating after 60 minutes	°C	50.9

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)	1500
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)		

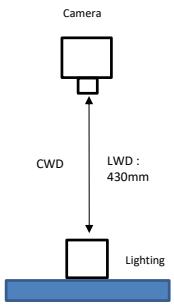
Application	
Illumination Type	Backlight Illumination
Application Use	Lead frame inspection, shape recognition, size measurement

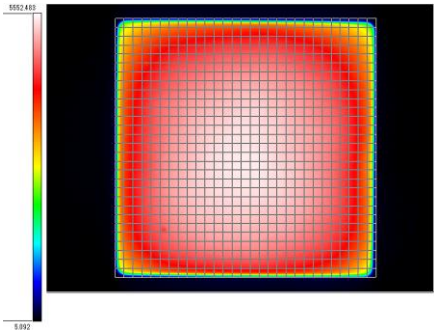
HBBC-00-160X160-X-G-24V

Uniform Graph (Relative Irradiation Strength) - Representative pattern

Lens focal length, f = infinity
CWD = 430mm
LWD = 430mm
Lighting angle: 0°

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





* 1 cell = 5mm x 5mm