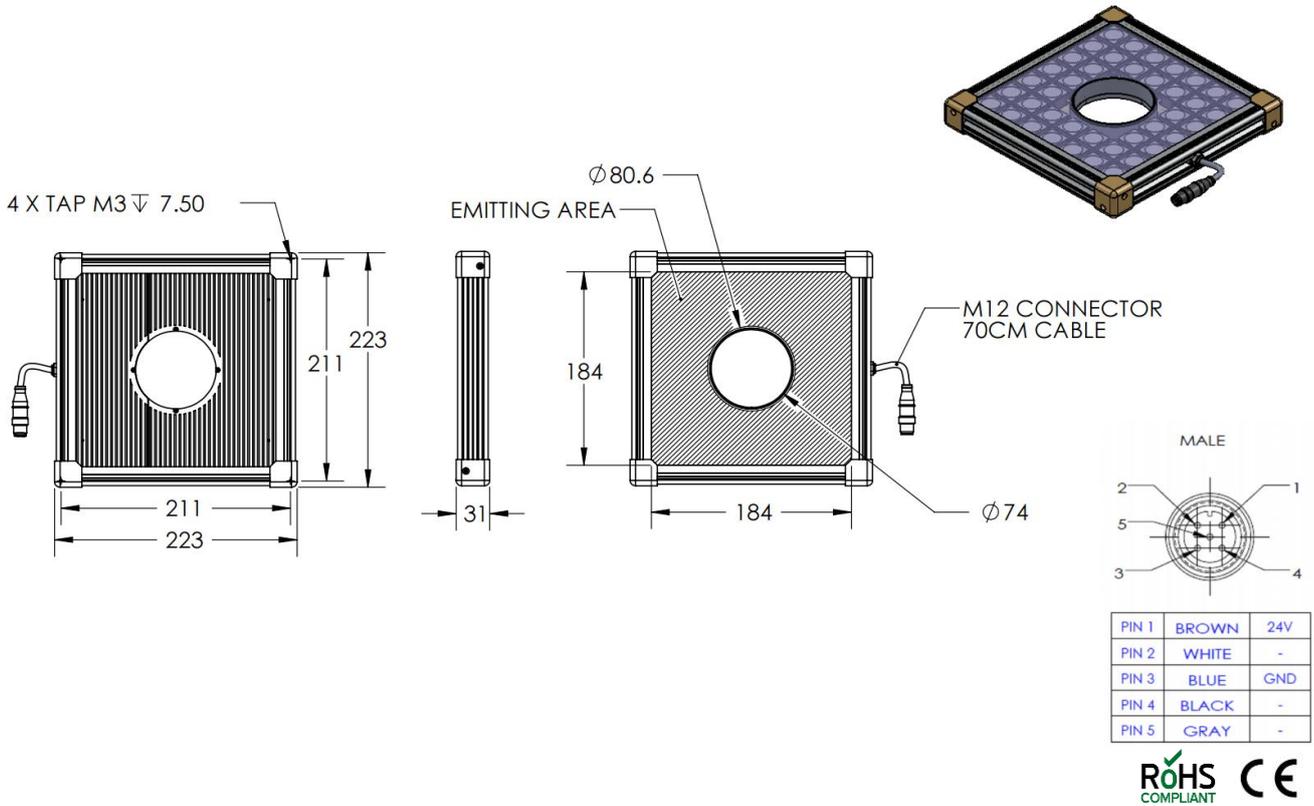


HBR3-00-190-X-B-24V

Lighting Dimension



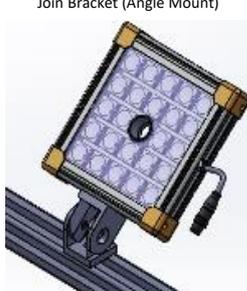
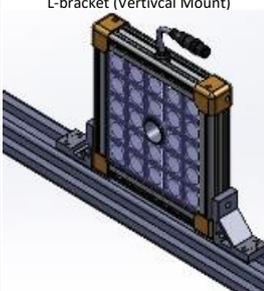
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1600 g
Length / Outer Diameter	223 mm
Width / Inner Diameter	223 mm
Thickness / Height	31 mm



HBR3-00-190-X-B-24V

Optical Information			
Part Number	HBR3-00-190-X-B-24V		
LED Colour	GREEN		
Wavelength	(nm)	525	
Intensity (±15%)	(Lux)	TBA	TBA
Working Distance	(mm)	250	350
Illumination (number of rows)		1	
Illumination Active Area			
Active Length / Outer Diameter	(mm)	184	
Active Width / Inner Diameter	(mm)	184	
Emission Angle	(deg.)	0	
Eye Safety Class (IEC62471)		II	
Electrical Information			
Lighting Supply Voltage (constant voltage mode)		24V ± 2%	
Continuous Current	(mA)	680	
Power Consumption	(W)	16.32	
Lighting Casing Temperature, Operating after 60 minutes	°C	48.9	
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)	2040	
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
		1	24V
		2	-
		3	GND
		4	-
		5	-
			Cable Colour
			BROWN
			WHITE
			BLUE
			BLACK
			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		Direct Illumination of High Luminosity Square Spotlight	
Application Use		General illumination, label inspection, character inspection, code recognition, robotic picking, inspection for parts identification & missing parts, visual inspection for large workpiece, measuring stamp dimensions for press products.	

HBR3-00-190-X-B-24V

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