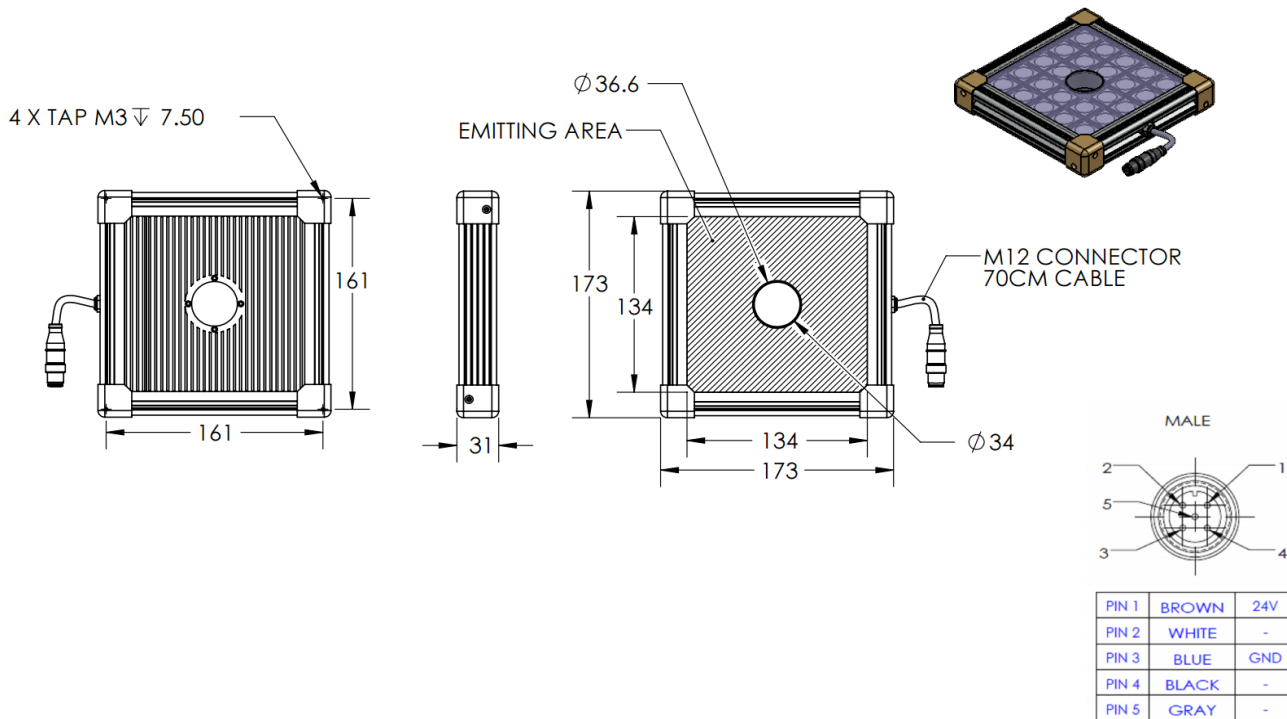


## HBR3-00-160-X-W-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1105 g
Length / Outer Diameter	173 mm
Width / Inner Diameter	34 mm
Thickness / Height	31 mm



## HBR3-00-160-X-W-24V

Optical Information											
Part Number		HBR3-00-160-X-W-24V									
LED Colour		WHITE									
Wavelength	(nm)	* Refer to the Chromaticity Table Below									
Intensity ( ±15%)	(Lux)	13800		7810		5470					
Working Distance	(mm)	250		350		450					
Illumination (number of rows)		X									
Illumination Active Area											
Active Length / Outer Diameter	(mm)	134									
Active Width / Inner Diameter	(mm)	36.6									
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)	340									
Power Consumption	(W)	8.16									
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)	1020									
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		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.									

## HBR3-00-160-X-W-24V

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