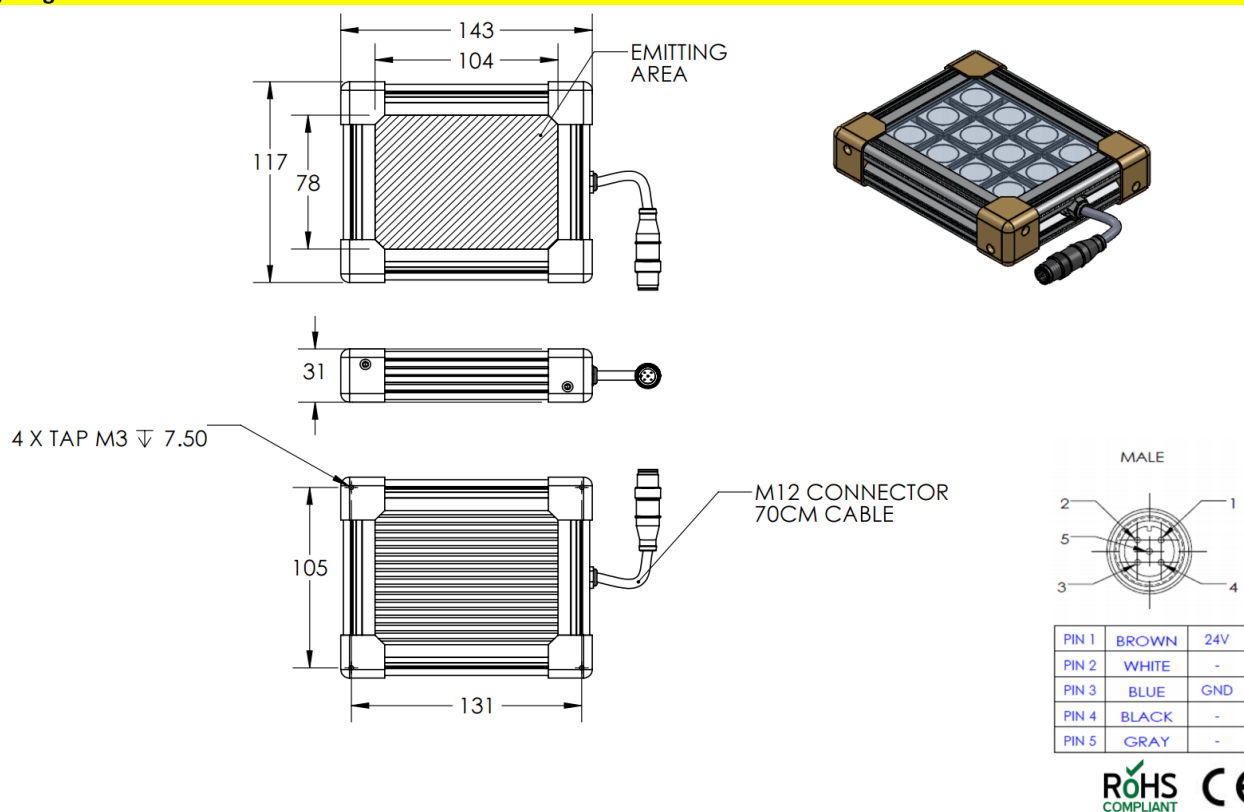


HBQ3-00-100-3-W-24V

Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	800 g
Length / Outer Diameter	143 mm
Width / Inner Diameter	117 mm
Thickness / Height	31 mm



HBQ3-00-100-3-W-24V

Optical Information																									
Part Number		HBQ3-00-100-3-W-24V																							
LED Colour		WHITE																							
Wavelength	(nm)	* Refer to the Chromaticity Table Below																							
Intensity (±15%)	(Lux)	7750	4900	2500																					
Working Distance	(mm)	250	350	450																					
Illumination (number of rows)		3																							
Illumination Active Area																									
Active Length / Outer Diameter	(mm)	104																							
Active Width / Inner Diameter	(mm)	78																							
Emission Angle	(deg.)	0																							
Eye Safety Class (IEC62471)		EXEMPT																							
*CHROMATICITY TABLE		<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td></tr></table>		X	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	<table><tr><td>X</td><td>0.311</td><td>0.307</td><td>0.33</td><td>0.33</td></tr><tr><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table>		X	0.311	0.307	0.33	0.33	Y	0.294	0.315	0.339	0.318
X	0.296	0.287	0.307	0.311																					
Y	0.276	0.295	0.315	0.294																					
X	0.311	0.307	0.33	0.33																					
Y	0.294	0.315	0.339	0.318																					
Electrical Information																									
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																							
Continuous Current	(mA)	210																							
Power Consumption	(W)	5.04																							
Lighting Casing Temperature, Operating after 60 minutes	°C	42.8																							
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)	630																							
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 Power Front Light																							
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.																							



HBQ3-00-100-3-W-24V

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