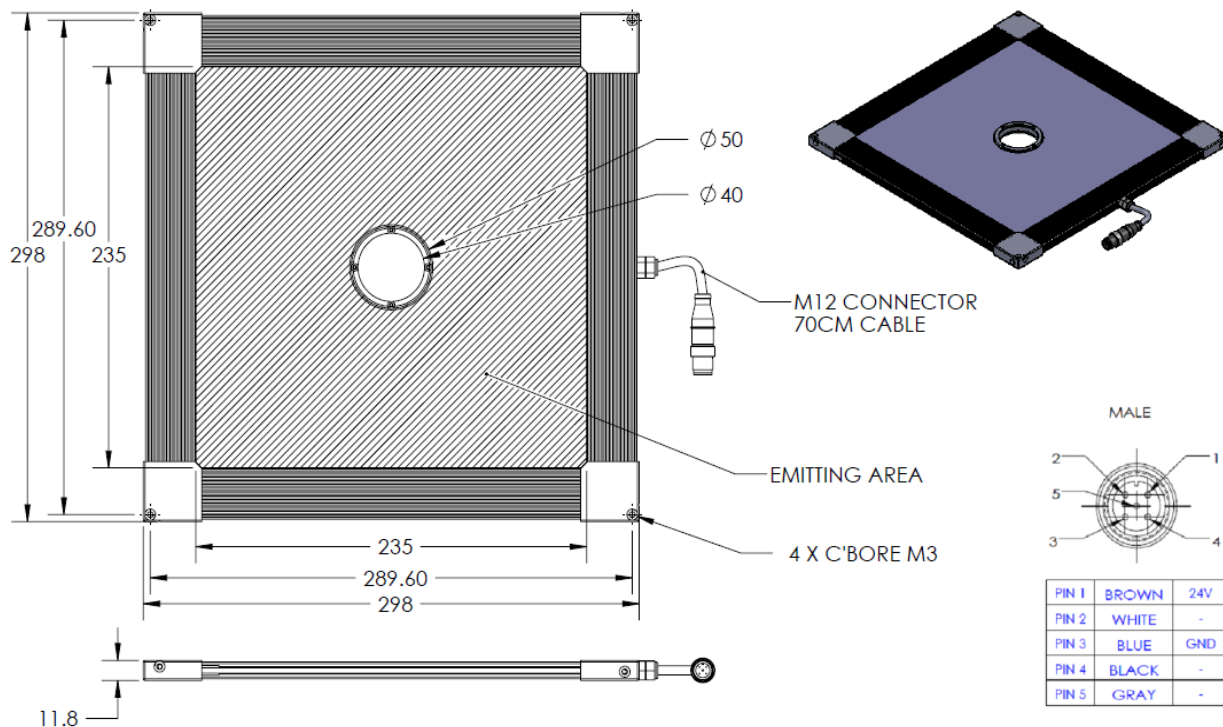


BHDQ2-00-235X235-1-G-24V

Lighting Dimension



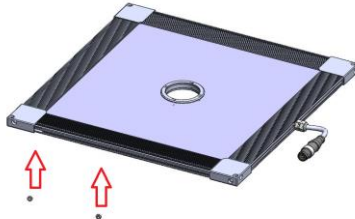
Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	1360 g
Length / Outer Diameter	298 X 298 mm
Width / Inner Diameter	40 mm
Thickness / Height	11.8 mm



BHDQ2-00-235X235-1-G-24V

Optical Information				
Part Number		BHDQ2-00-235X235-1-G-24V		
LED Colour		GREEN		
Wavelength	(nm)	525		
Intensity (±15%)	(Lux)	4552	4140	3315
Working Distance	(mm)	200	220	250
Illumination (number of rows)		1		
Illumination Active Area				
Active Length / Outer diameter	(mm)	235 X 235		
Active Width / Inner diameter	(mm)	50		
Emission Angle	(deg.)	0		
Eye Safety Class (IEC62471)		EXEMPT		
Electrical Information				
Lighting Supply Voltage (constant voltage mode)		24V ± 2%		
Continuous Current	(mA)	600		
Power Consumption	(W)	14.4		
Lighting Casing Temperature, Operating after 60 minutes	°C	46.5		
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)	1800		
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		Diffused Illumination		
Application Use		Robotic picking, inspection for parts identification & missing parts, visual inspection for large workpiece, measuring stamp dimensions for press products		

BHDQ2-00-235X235-1-G-24V

Advantages	
Easy Mounting	

Uniform Graph (Relative Irradiation Strength) - Representative pattern

LENS FOCAL LENGTH, F = 8 mm

CWD = 300 mm

LWD = 300 mm

COLOUR	TOLERANCE	L X W
Yellow	± 15 %	190X 175
Green	± 20 %	215X 175
Blue	± 25 %	235X 175
Purple	± 30 %	235X 175

CWD = 400 mm

LWD = 400 mm

COLOUR	TOLERANCE	L X W
Yellow	± 15 %	230 X 225
Green	± 20 %	255 X 235
Blue	± 25 %	285 X 235
Purple	± 30 %	315 X 235

CWD = 500 mm

LWD = 500 mm

COLOUR	TOLERANCE	L X W
Yellow	± 15 %	280 X 280
Green	± 20 %	325 X 300
Blue	± 25 %	375 X 300
Purple	± 30 %	400 X 300

* Each individual box is 5 X 5 mm.

*Disclaimer : The graphs portrayed are for reference only and does not in any way guarantee the quality of this product.