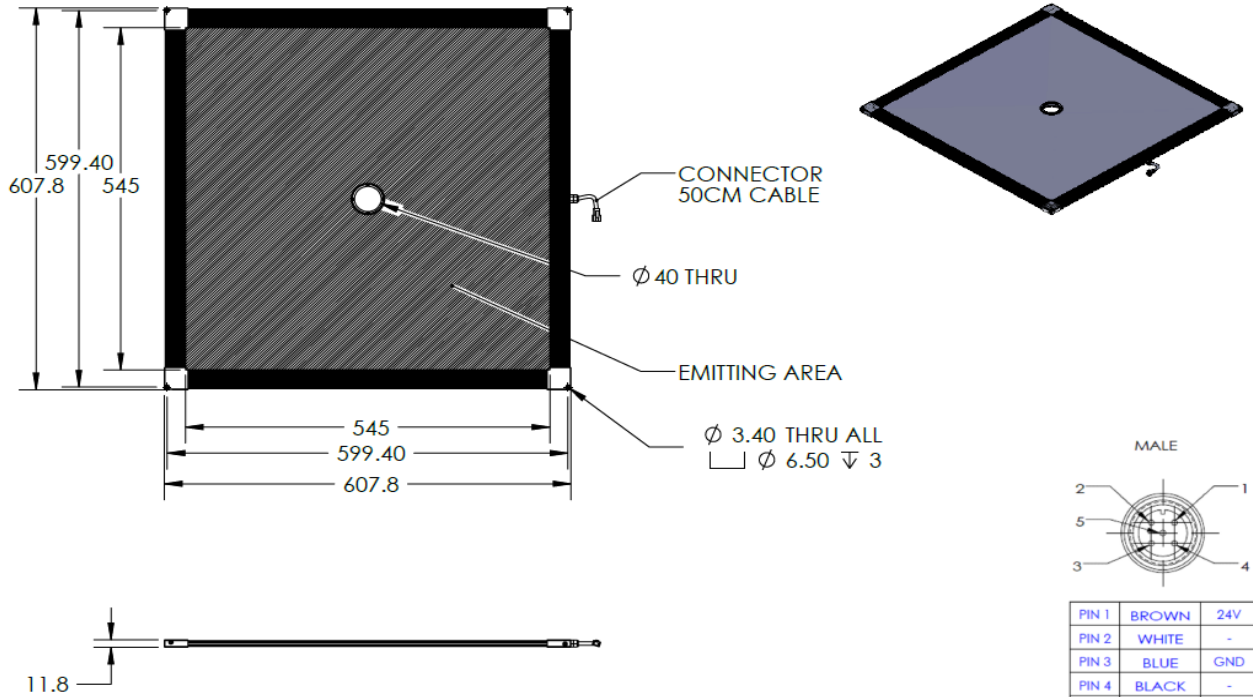


## BHDQ2-00-545X545-1-R-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	4800 g
Length / Outer Diameter	607.8 mm
Width / Inner Diameter	40 mm
Thickness / Height	11.8 mm

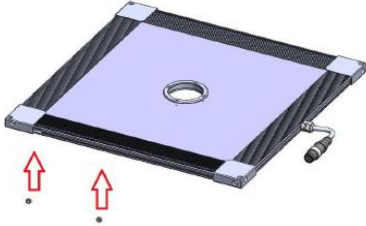


## BHDQ2-00-545X545-1-R-24V

Optical Information			
Part Number	BHDQ2-00-545X545-1-R-24V		
LED Colour	RED		
Wavelength	(nm)	630	
Intensity ( ±15%)	(Lux)	12936.2	12638
Working Distance	(mm)	200	220
Illumination (number of rows)	1		
Illumination Active Area			
Active Length / Outer Diameter	(mm)	545	
Active Width / Inner Diameter	(mm)	40	
Emission Angle	(deg.)	0	
Eye Safety Class ( IEC62471)	EXEMPT		
Electrical Information			
Lighting Supply Voltage (constant voltage mode)	24V ± 2%		
Continuous Current	(mA)	1440	
Power Consumption	(W)	34.56	
Lighting Casing Temperature, Operating after 60 minutes	°C	30.9	
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)	4320	
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 )	500	
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		



## BHDQ2-00-545X545-1-R-24V

Advantages	
Easy Mounting	 A technical diagram of a square LED panel. The panel is shown from a perspective view, highlighting its thin profile and a central circular cutout. Two red arrows point upwards from small black dots on the bottom edge, indicating the locations of mounting holes or clips. A small connector or cable is visible on the right side of the panel.