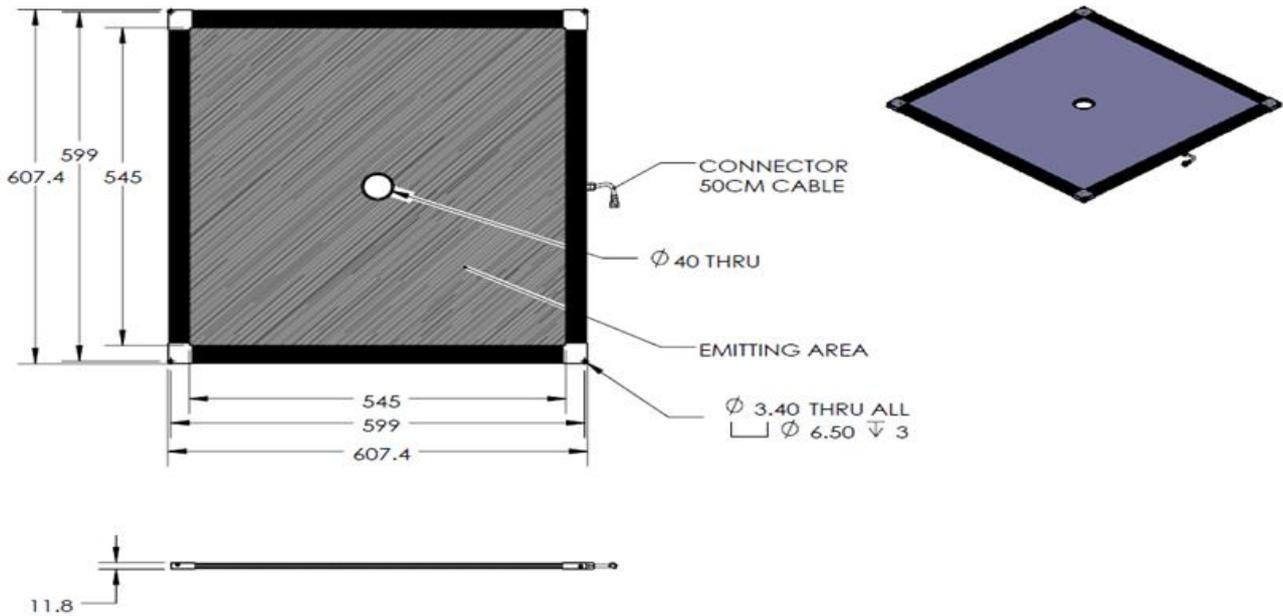


## BHDQ2-00-545X545-1-W-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	4800 g
Length / Outer Diameter	607.4 mm
Width / Inner Diameter	607.4 mm
Thickness	11.8 mm



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

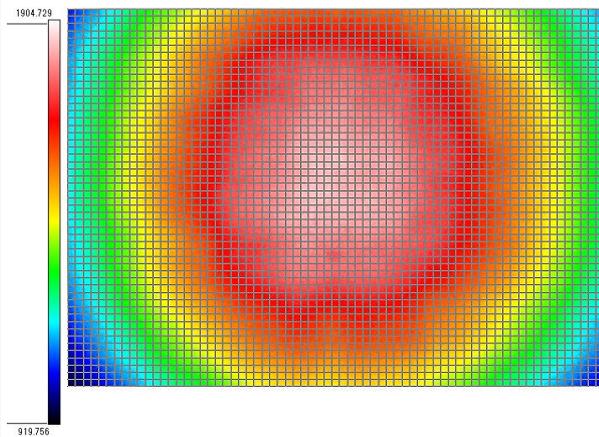
Optical Information		BHDQ2-00-545X545-1-X-24V																							
Part Number		BHDQ2-00-545X545-1-X-24V																							
LED Colour		WHITE																							
Wavelength	(nm)	* CHROMATICITY TABLE																							
Intensity ( ±15%)	(Lux)	4785.4	4544	4160.6																					
Working Distance	(mm)	200	220	250																					
Illumination (number of rows)		1																							
Illumination Active Area																									
Active Inner Diameter	(mm)	545																							
Active Outer Dimension	(mm)	545																							
Emission angle	(deg.)	0																							
Eye Safety Class ( IEC62471)		EXEMPT																							
* CHROMATICITY TABLE		<table border="1"> <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 border="1"> <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)	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. 10msec) (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																							
Lifespan in continuous mode		20,000 hours (drop to 50% intensity) at 25°C																							
Lifespan in strobe mode		Est. >50,000 hours (drop to 50% intensity) at 25°C																							
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	-	GREY																					
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																							



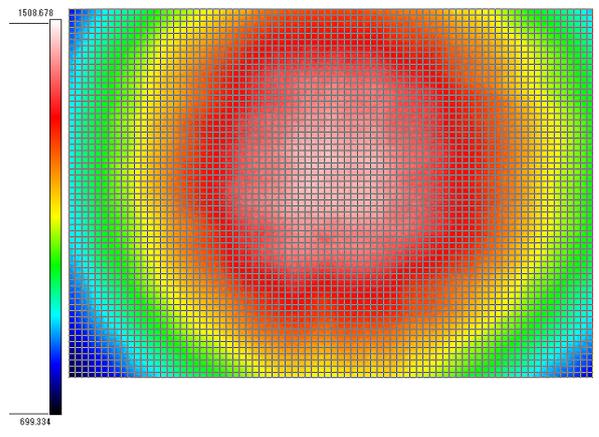
## BHDQ2-00-545X545-1-W-24V

Categories	
Easy Mounting	

### Uniformity Graph (Relative Irradiation Brightness) - Representative Pattern



Working Distance = 650 mm  
FOV= 693 X 520 mm



Working Distance = 750 mm  
FOV= 800 X 600 mm

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