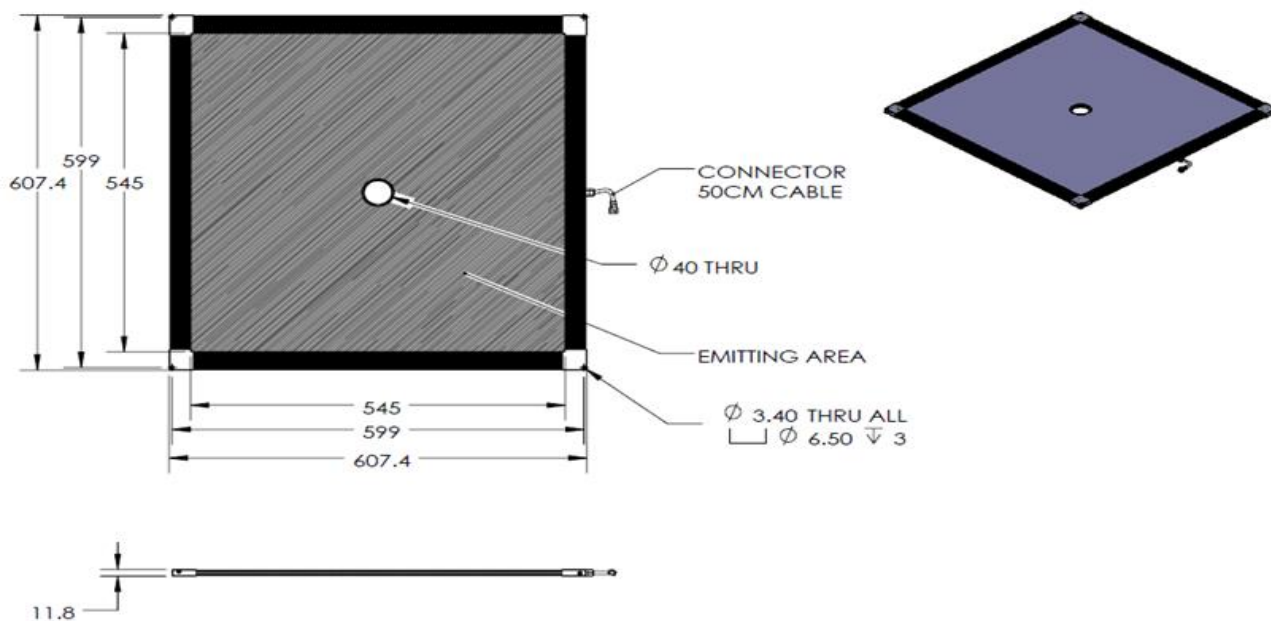




ILLUMINATOR DATA

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

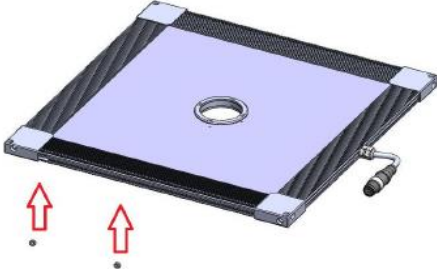


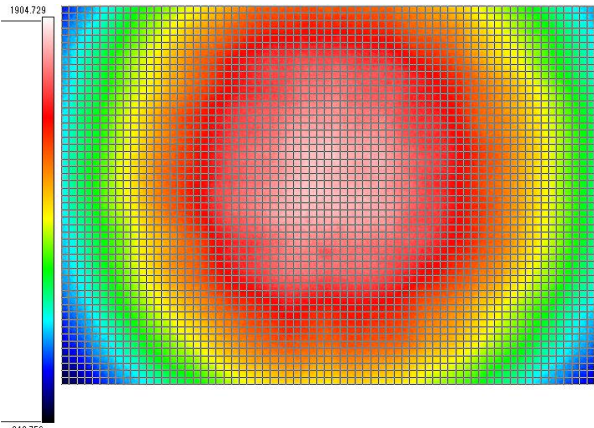
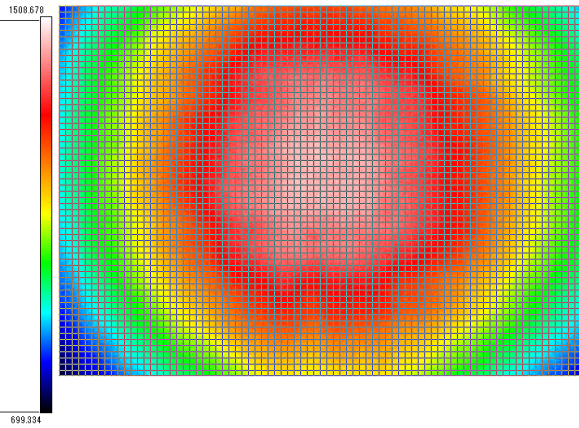
BHDQ2-00-545X545-1-W-24V

Optical Information																															
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><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)	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	
 <p data-bbox="368 1608 544 1648">Working Distance = 650 mm FOV= 693 X 520 mm</p>	 <p data-bbox="1118 1608 1294 1648">Working Distance = 750 mm FOV= 800 X 600 mm</p>
Disclaimer : The graphs portrayed are for reference only and does not in any way guarantee the quality of this product.	