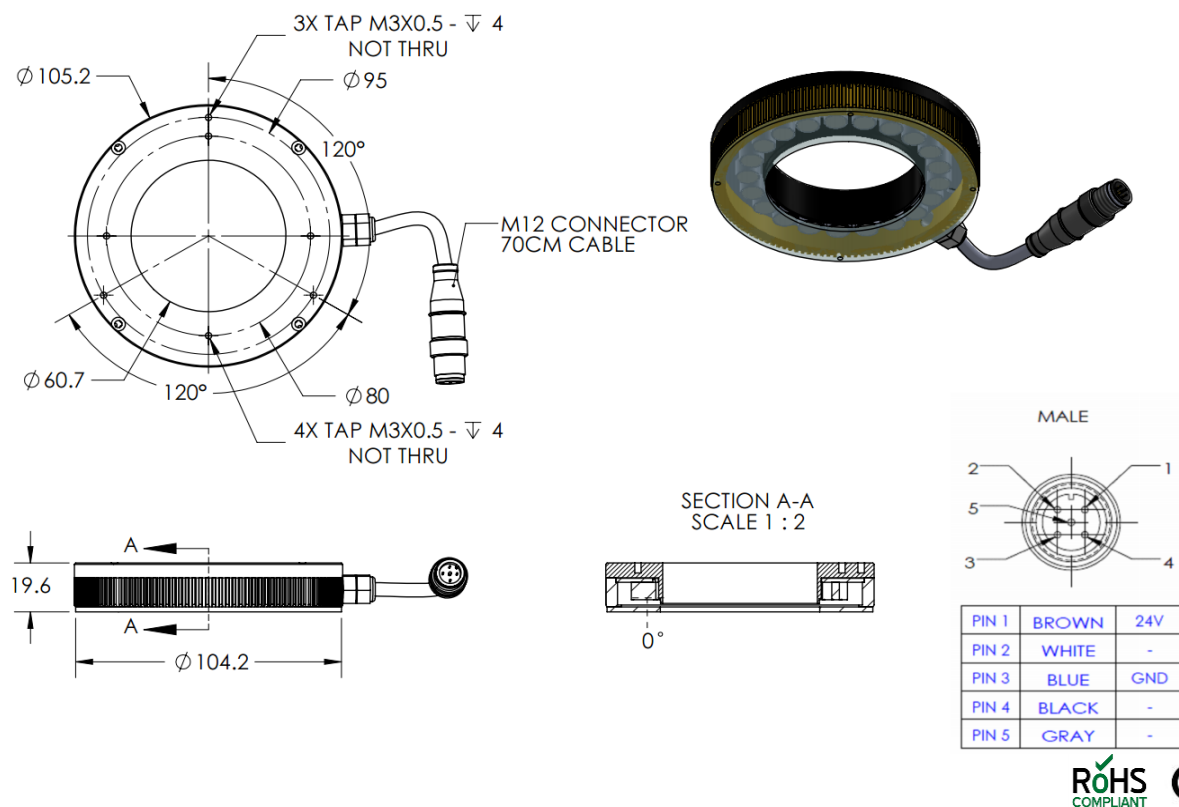


## HLSW-00-100-1-W-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	220 g
Length / Outer Diameter	105.2 mm
Width / Inner Diameter	60.7 mm
Thickness / Height	19.6 mm



## HLSW-00-100-1-W-24V

Optical Information																															
Part Number		HLSW-00-100-1-W-24V																													
LED Colour		WHITE																													
Wavelength	(nm)	* Refer to the Chromaticity Table Below																													
Intensity ( ±15%)	(Lux)	27100				26600				26100																					
Working Distance	(mm)	90				100				110																					
Illumination (number of rows)		1																													
Illumination Active Area																															
Active Length	(mm)	93.2																													
Active Width	(mm)	62.3																													
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)	315																													
Power Consumption	(W)	7.56																													
Lighting Casing Temperature, Operating after 60 minutes	°C	52.5																													
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)	945																													
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																													
Application Use		substrate inspection, label inspection, flat surface, fiducially recognition.																													

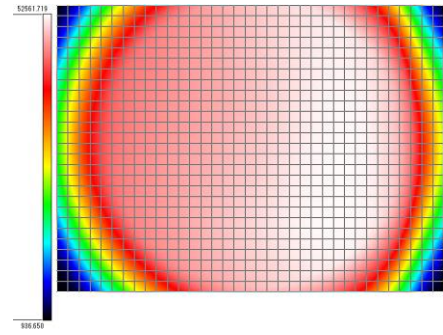
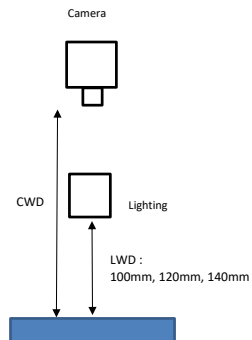


## HLSW-00-100-1-W-24V

### Uniform Graph ( Relative Irradiation Strength) - Representative pattern

Lens focal length,  $f = \text{infinity}$   
 CWD = 428mm  
 LWD = 100mm, 120mm, 140mm  
 Lighting angle: 0°

Tolerance %	L X W
10%	24 X 52
20%	40 X 53
30%	46 X 53
40%	50 X 53



\* 1 cell = 2mm x 2mm