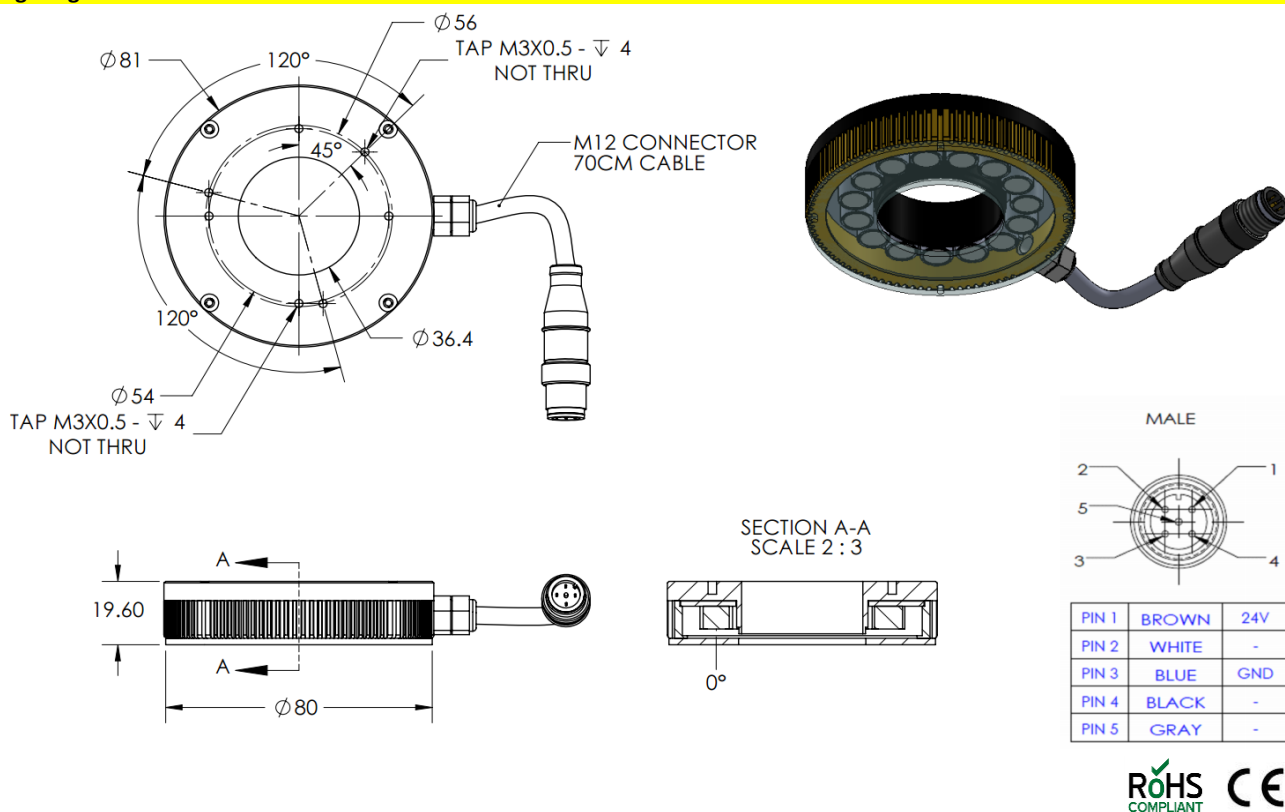


## HLSW-00-080-1-W-24V

### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	165 g
Length / Outer Diameter	81 mm
Width / Inner Diameter	36.4 mm
Thickness / Height	19.6 mm



## HLSW-00-080-1-W-24V

Optical Information																									
Part Number		HLSW-00-080-1-W-24V																							
LED Colour		WHITE																							
Wavelength	(nm)	* Refer to the Chromaticity Table Below																							
Intensity ( ±15%)	(Lux)	46000	47500		45600																				
Working Distance	(mm)	58	68		78																				
Illumination (number of rows)		1																							
Illumination Active Area																									
Active Length	(mm)	69																							
Active Width	(mm)	38																							
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)	225																							
Power Consumption	(W)	5.4																							
Lighting Casing Temperature, Operating after 60 minutes	°C	47.8																							
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)	675																							
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-00-080-1-W-24V

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

Lens focal length,  $f = \infty$   
 CWD = 288mm  
 LWD = 70mm, 90mm, 110mm  
 Lighting angle: 0°

Tolerance %	L X W
10%	42 X 33
20%	46 X 35
30%	47 X 35
40%	47 X 35

