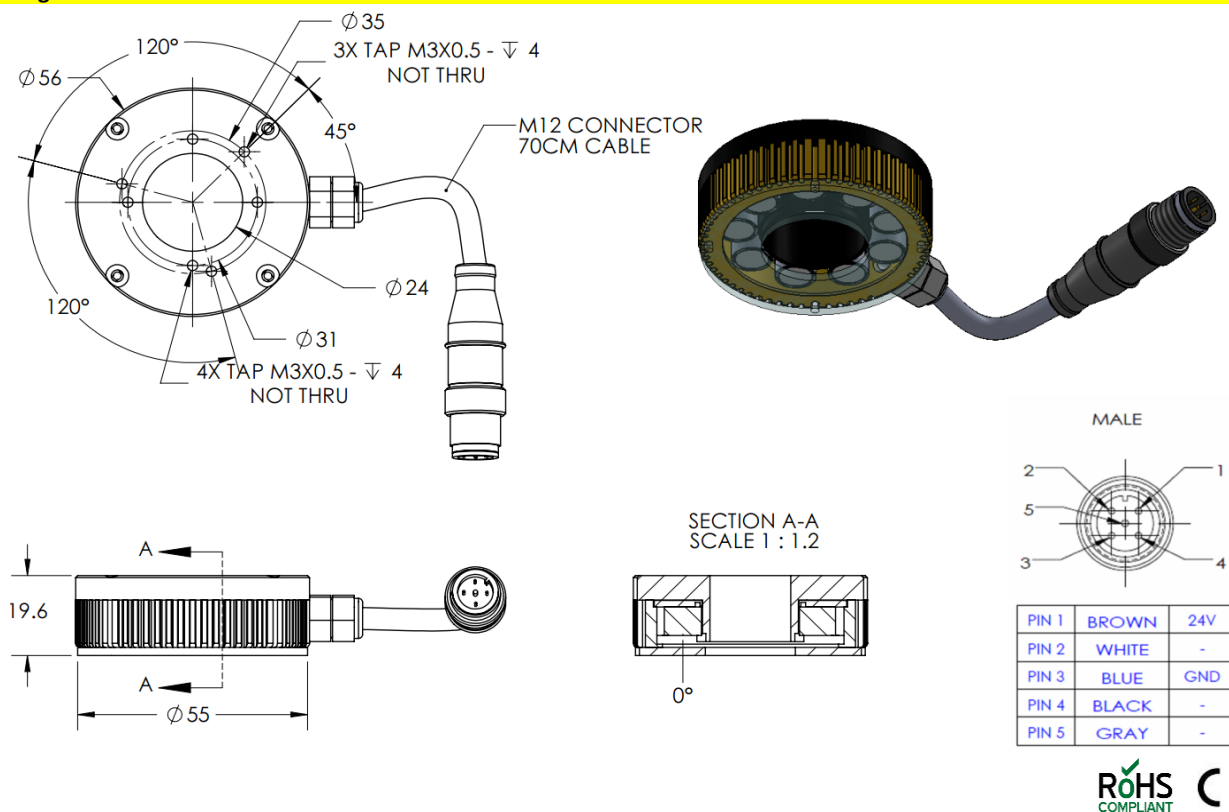


HLSW-00-050-1-W-24V

Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	110 g
Length / Outer Diameter	56 mm
Width / Inner Diameter	24 mm
Thickness / Height	19.6 mm



HLSW-00-050-1-W-24V

Optical Information																										
Part Number		HLSW-00-050-1-W-24V																								
LED Colour		WHITE																								
Wavelength	(nm)	* Refer to the Chromaticity Table Below																								
Intensity (±15%)	(Lux)	59400		56700		52400																				
Working Distance	(mm)	38		48		58																				
Illumination (number of rows)		1																								
Illumination Active Area																										
Active Length	(mm)	44.5																								
Active Width	(mm)	25.6																								
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)	135																								
Power Consumption	(W)	3.24																								
Lighting Casing Temperature, Operating after 60 minutes	°C	59.1																								
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)	405																								
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-00-050-1-W-24V

Uniform Graph (Relative Irradiation Strength) - Representative pattern

Lens focal length, $f = \text{infinity}$
 CWD = 230mm
 LWD = 50mm, 80mm, 100mm
 Lighting angle: 0°

Tolerance %	L X W
10%	15 X 15
20%	17 X 16
30%	19 X 16
40%	20 X 16

