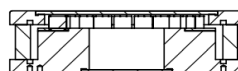
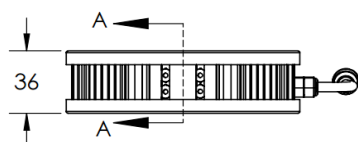
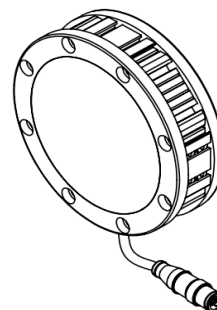
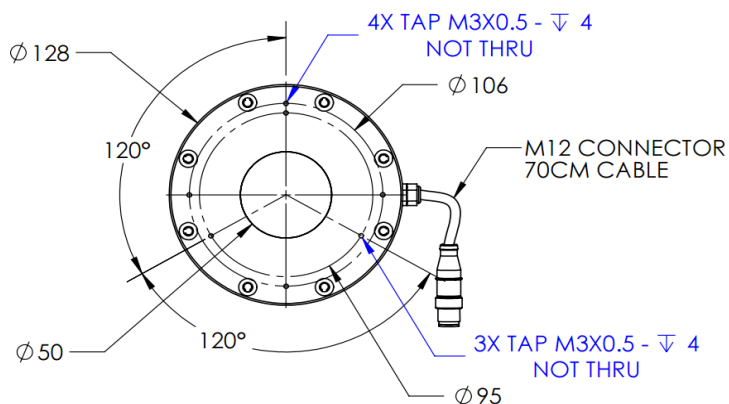


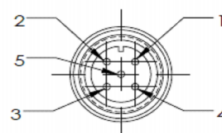
HLSWP-00-100-1-W-24V

Lighting Dimension



SECTION A-A
SCALE 1 : 3

MALE



PIN 1	BROWN	24V
PIN 2	WHITE	-
PIN 3	BLUE	GND
PIN 4	BLACK	-
PIN 5	GRAY	-

ROHS
COMPLIANT



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-°C, Humidity 20-85%
Weight	875 g
Length / Outer Diameter	128 mm
Width / Inner Diameter	50 mm
Thickness / Height	36 mm



HLSWP-00-100-1-W-24V

Optical Information																															
Part Number		HLSWP-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)	90																													
Active Width	(mm)	63.9																													
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 and 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.																													

HLSWP-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

