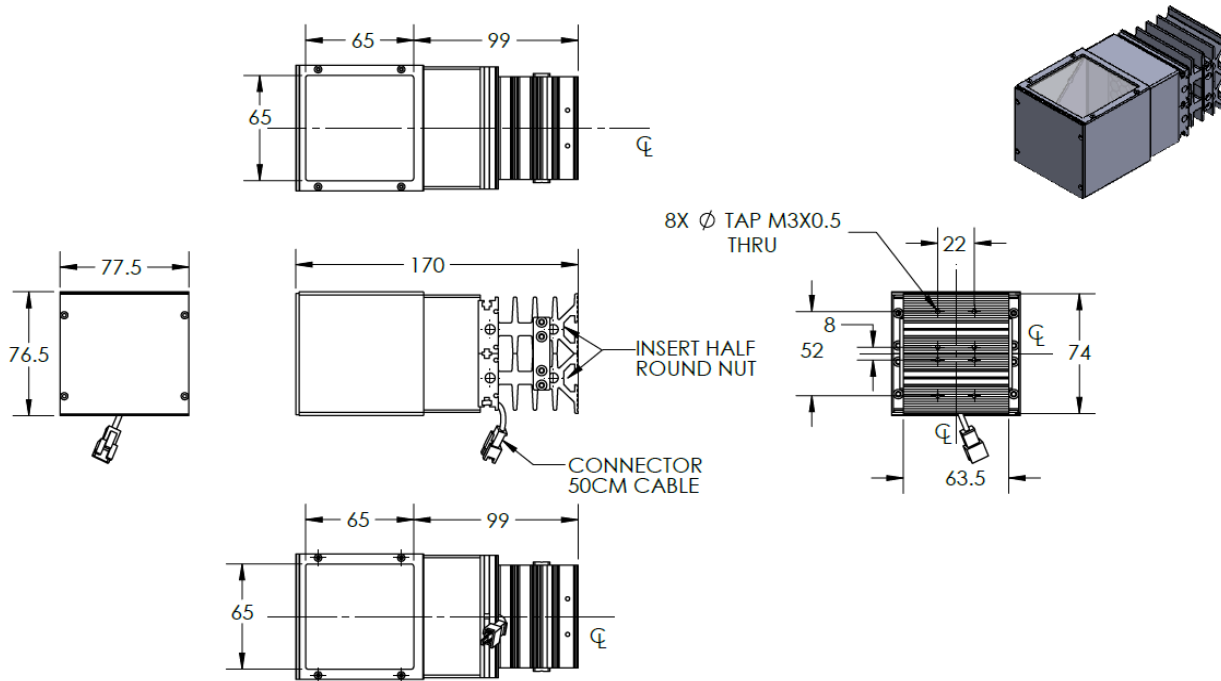




ILLUMINATOR DATA-ID

HCAS2-00-070-X-W-24V

Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	796 g
Length / Outer Diameter	170 mm
Width / Inner Diameter	77.5 mm
Thickness / Height	76.5 mm



ILLUMINATOR DATA-ID

HCAS2-00-070-X-W-24V

Optical Information																															
Part Number		HCAS2-00-070-X-W-24V																													
LED Color		WHITE																													
Wavelength	(nm)	* Refer to the Chromaticity Table Below																													
Intensity (±15%)	(Lux)	9030				7620				6840																					
Working Distance	(mm)	100				110				120																					
Illumination (number of row)		X																													
Illumination Active Area																															
Active Length / Outer Diameter	(mm)	65																													
Active Width / Inner Diameter	(mm)	65																													
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)	750																													
Power Consumption	(W)	18																													
Lighting casing temperature, Operating after 60 minutes	°C	62.8																													
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. 10msec) (Constant current power supply)	(mA)	2250																													
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		ANG, ST, SD and SDA series																													
CE Conformity		YES																													
RoHS Compliance		YES																													
Connection																															
Connector Type (Default):		JST SMR-03V																													
Cable Length out from lighting :	(mm)	500																													
Pin Configuration :		Pin				Signal				Cable Color																					
		1				LED +				RED																					
		2				N.C.				---																					
		3				LED -				WHITE																					
																															
Application																															
Illumination Type		Coaxial Illumination																													
Appication Use		Surface inspection and alignment, wafer, metal surface, film, LCD and glass, pattern on PCB.																													



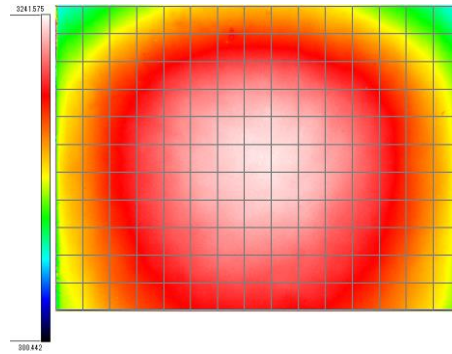
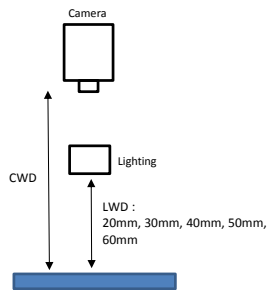
ILLUMINATOR DATA - ID

HCAS2-00-070-X-W-24V

Uniform Graph (Relative Irradiation Strength) - Representative pattern

Lens focal length, $f = 0.5$
CWD = 193mm
LWD = 20mm, 30mm, 40mm, 50mm, 60mm
Lighting angle: 0

Tolerance %	L X W
10%	30 X 29
20%	48 X 46
30%	59 X 52
40%	70 X 56



* 1 cell = 5mm x 5mm



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