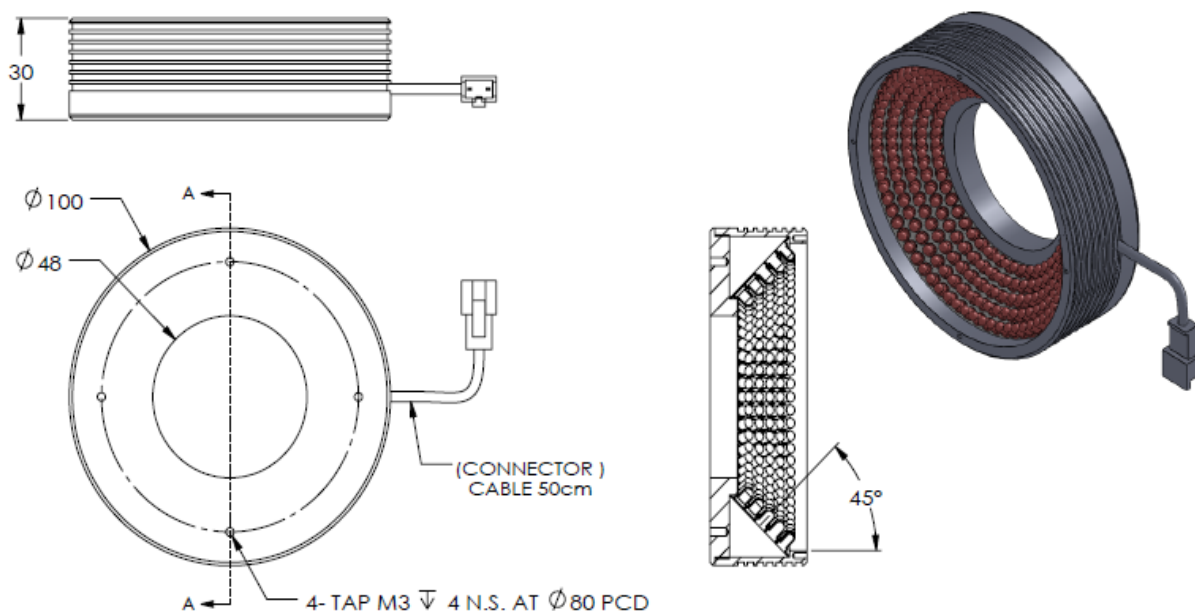




ILLUMINATOR DATA

LSW-45-100-5-W-24V


Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	250g
Outer Diameter	100mm
Inner Diameter	48mm
Thickness	30mm



LSW-45-100-5-W-24V

Optical Information											
Part Number		LSW-45-100-5-W-24V									
LED Color		WHITE									
Wavelength	(nm)	* Refer to the Chromaticity Table below									
Intensity	(Lux)	197000				153900				115300	
Working Distance	(mm)	40				50				60	
Illumination (number of row)		5									
Illumination Active Area											
Active Inner Diameter	(mm)	58									
Active Outer Diameter	(mm)	91									
Emission angle	(deg.)	45									
Eye Safety Class		II									
*CHROMATICITY TABLE											
X	0.296	0.287	0.307	0.311	X	0.311	0.307	0.33	0.33		
Y	0.276	0.295	0.315	0.294	Y	0.294	0.315	0.339	0.318		
Electrical Information											
Lighting Supply Voltage (constant voltage mode)		24V ± 2%									
Continuous Current	(mA)	600									
Power Consumption	(W)	14.4									
Lighting casing temperature, Operating after 60 minutes	°C	52.2									
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)	1800									
Max. Trigger Pulse Duration	(msec)	10									
Duty Cycle		0-10%									
Additional Information											
Additional Cooling Method		Attached to machine part for better heat dissipation									
Life span in continuous mode		20,000 hours (drop to 50% intensity) at 25°C									
Life span in strobe mode		Est. >50,000 hours (drop to 50% intensity) at 25°C									
Intensity Controller Selection		ANG-Series, LC-Series, STB-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											
Optimal Working Distance	(mm)	40 - 60									