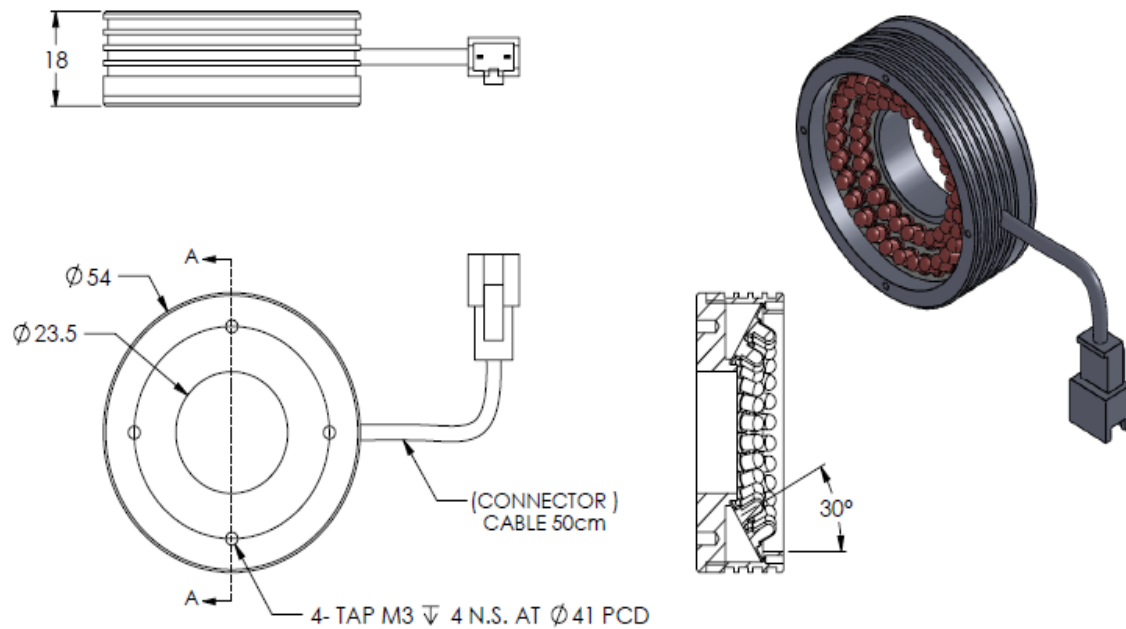




# ILLUMINATOR DATA


**LSW-30-050-2-W-24V**

## Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	-
Outer Diameter	54
Inner Diameter	23.5
Thickness	18



Optical Information										
Part Number			LSW-30-050-2-W-24V							
LED Color			WHITE							
Wavelength		(nm)	* Refer to the Chromaticity Table below							
Intensity		(Lux)	170400		136100		108700			
Working Distance		(mm)	19		24		29			
Illumination (number of row)			2							
Illumination Active Area										
Active Area		(mm)	50							
Emission angle		(deg.)	30							
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)	120							
Power Consumption		(W)	2.88							
LED temperature, after 60 minutes		Operating °C	41.7							
Lighting casing temperature, after 60 minutes		Operating °C	-							
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) current power supply)		(mA)	360							
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)	19 - 29							