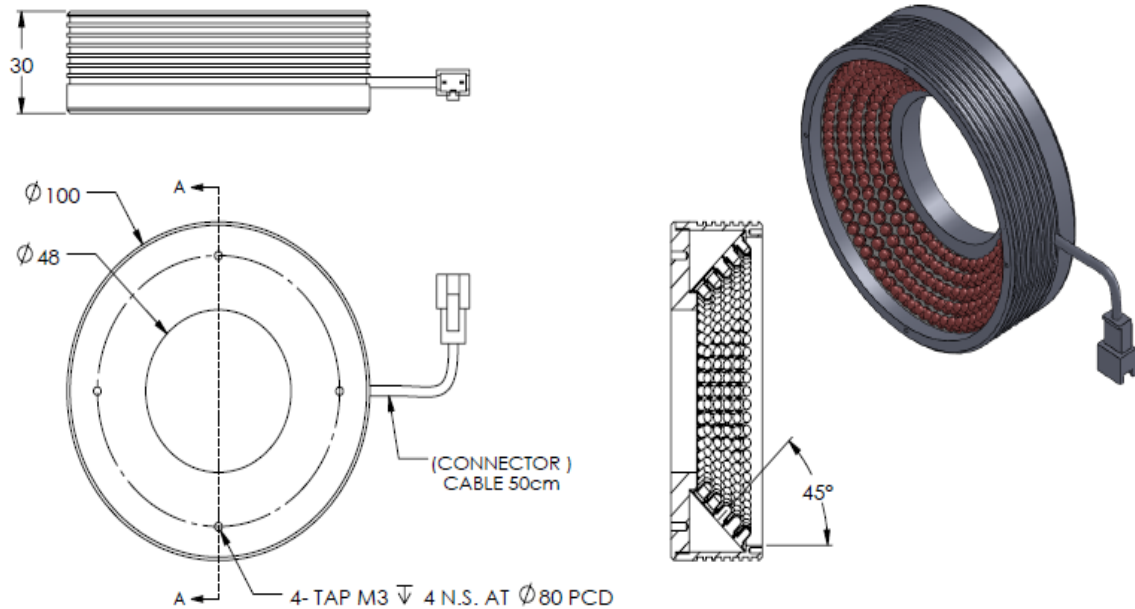




# ILLUMINATOR DATA

**LSW-45-100-5-B-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-B-24V

Optical Information				
Part Number		LSW-45-100-5-B-24V		
LED Color		BLUE		
Wavelength	(nm)	470		
Intensity	(Lux)	199900	133700	93800
Working Distance	(mm)	51	61	71
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		
Electrical Information				
Lighting Supply Voltage (constant voltage mode)		24V ± 2%		
Continuous Current	(mA)	600		
Power Consumption	(W)	14.4		
LED temperature, Operating after 60 minutes	°C	71.3		
Lighting casing temperature, after 60 minutes	°C	55.3		
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)	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)	51 - 71		