LSW-30-050-2-W-12V

Lighting Dimension
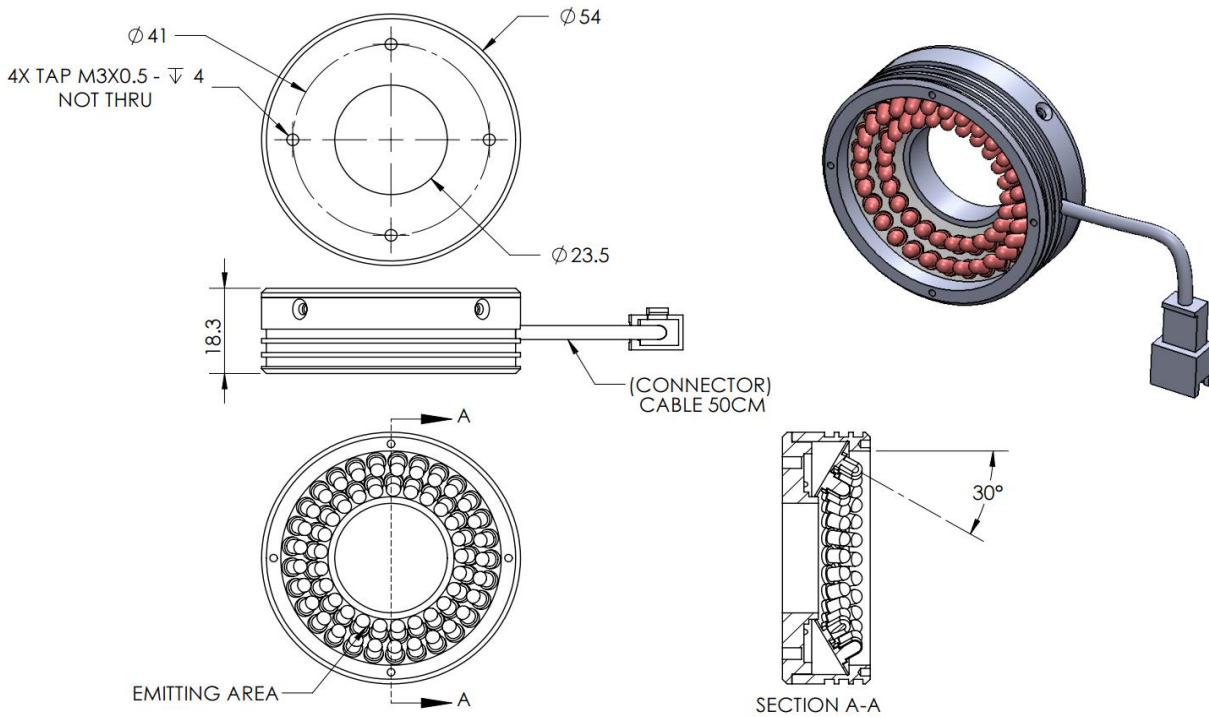
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0 - 45°C, Humidity 20-85%
Weight	60 g
Length / Outer Diameter	54 mm
Width / Inner Diameter	23.5 mm
Thickness / Height	18 mm

ILLUMINATOR DATA-ID

LSW-30-050-2-W-12V

Optical Information				
Part Number		LSW-30-050-2-W-12V		
LED Color		WHITE		
Wavelength	(nm)	* Refer to the Chromaticity Table Below		
Intensity (±15%)	(Lux)	156700	129800	103800
Working Distance	(mm)	19	24	29
Illumination (number of row)		2		
Illumination Active Area				
Active Length / Outer Diameter	(mm)	46		
Active Width / Inner Diameter	(mm)	23.5		
Emission angle	(deg.)	30		
Eye Safety Class (IEC62471)		EXEMPT		

*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)		12V ± 2%
Continuous Current	(mA)	180
Power Consumption	(W)	2.16
Lighting casing temperature, Operating after 60 minutes	°C	50.7

Strobe Mode Specification		
Pulse Operation		YES
Max. Lighting Supply Voltage (Constant voltage power supply)	(V)	Pulsing at 12VDC to 24VDC, 0-10% Duty Cycle, Recommended at 18VDC
Pulse Current, (Max. 10msec) (Constant current power supply)	(mA)	540
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-02V		
Cable Length out from lighting :	(mm)	500		
Pin Configuration :		Pin	Signal	Cable Color
		1	LED +	RED
		2	LED -	WHITE

Application	
Illumination Type	Direct Illumination
Applicattion Use	Substrate inspection, label inspection, flat surface, fiducially recognition.

VISION CONSULTANCY

MAKING THE UNSEEN VISIBLE

Thank you for downloading this document from
www.machine-vision-shop.com

If you have any questions, you need help composing the
right package for your application or do you want to order?

Feel free to contact us via e-mail at sales@vision-
consultancy.nl or visit our webshop.

Our vision experts are happy to help you.

Natascha Overhof

Christian Crompvoets

VISION CONSULTANCY

Robert Schumandomein 2
6229 ES Maastricht
The Netherlands

+31 (0) 438 522 651

sales@vision-consultancy.nl
www.machine-vision-shop.com

Scan me to visit
machine-vision-shop