ILLUMINATOR DATA-ID

LBRX-00-080-3-W-24V

Lighting Dimension

RoHS COMPLIANT CE
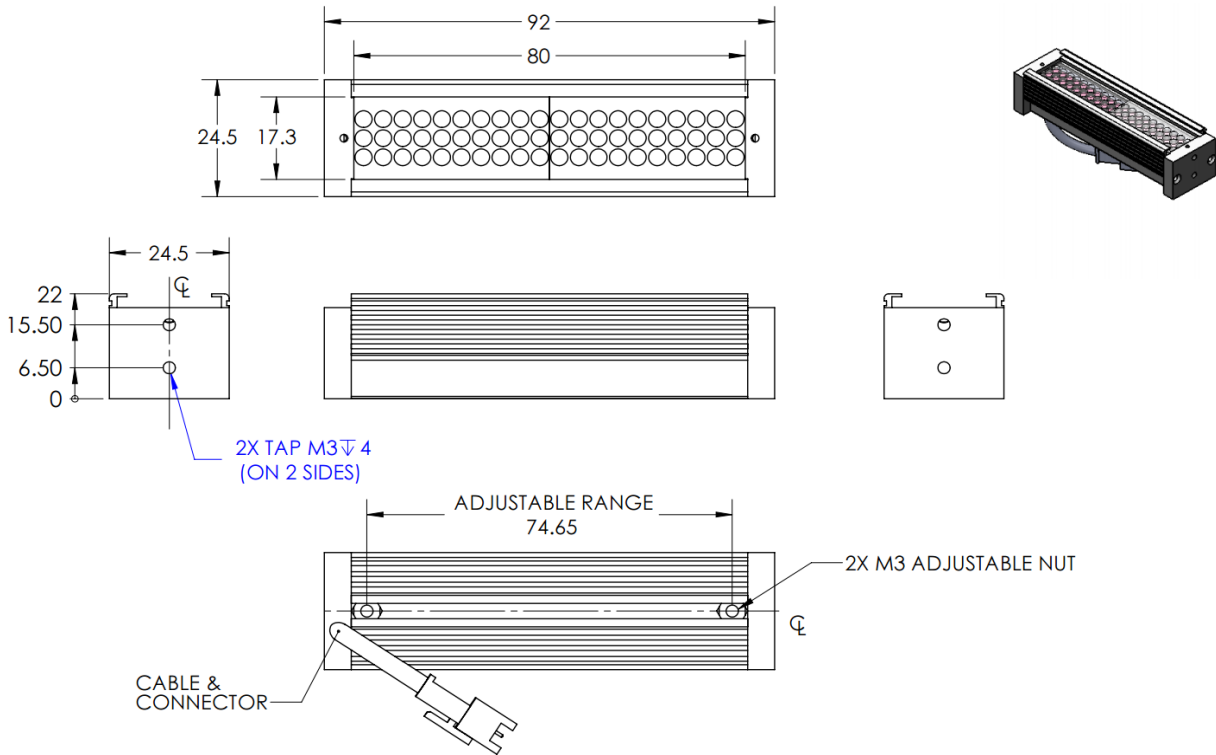
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0 - 45°C, Humidity 20-85%
Weight	70 g
Length / Outer Diameter	92 mm
Width / Inner Diameter	24.5 mm
Thickness / Height	22 mm

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Optical Information				
Part Number		LBRX-00-080-3-W-24V		
LED Color		WHITE		
Wavelength	(nm)	* Refer to the Chromaticity Table Below		
Intensity (±15%)	(Lux)	15534.8	13106.6	11274.8
Working Distance	(mm)	80	90	100
Illumination (number of row)		3		
Illumination Active Area				
Active Length / Outer Diameter	(mm)	80		
Active Width / Inner Diameter	(mm)	17.3		
Emission angle	(deg.)	0		
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)		24V ± 2%
Continuous Current	(mA)	84
Power Consumption	(W)	2.02
Lighting casing temperature, Operating after 60 minutes	°C	54.5

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)	252
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		Direct Illumination
Applicattion Use		General illumination, label inspection, character inspection, code recognition.

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