ILLUMINATOR DATA-ID

LBRX-00-120-3-W-12V

Lighting Dimension
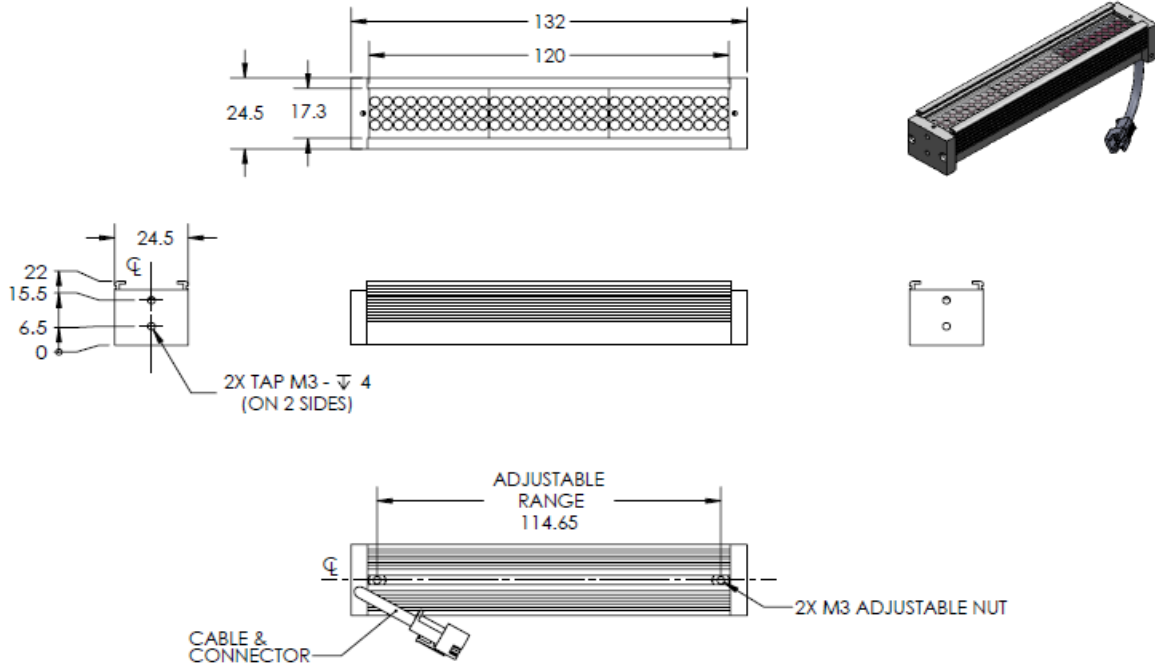
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	95 g
Length / Outer Diameter	132 mm
Width / Inner Diameter	24.5 mm
Thickness	22 mm

ILLUMINATOR DATA-ID

LBRX-00-120-3-W-12V

Optical Information				
Part Number		LBRX-00-120-3-W-12V		
LED Color		WHITE		
Wavelength	(nm)	* Refer to the Chromaticity table below		
Intensity	(Lux)	19800	17600	15700
Working Distance	(mm)	80	90	100
Illumination (number of row)		3		
Illumination Active Area				
Active Length / Outer Dia.	(mm)	120		
Active Width / Inner Dia.	(mm)	17.3		
Emission angle	(deg.)	0		
Eye Safety Class		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)	300
Power Consumption	(W)	3.6
Lighting casing temperature, Operating after 60 minutes	°C	51.3

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)	900
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, SD, ST 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
Application Use	General illumination, label inspection, character inspection, code recognition

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