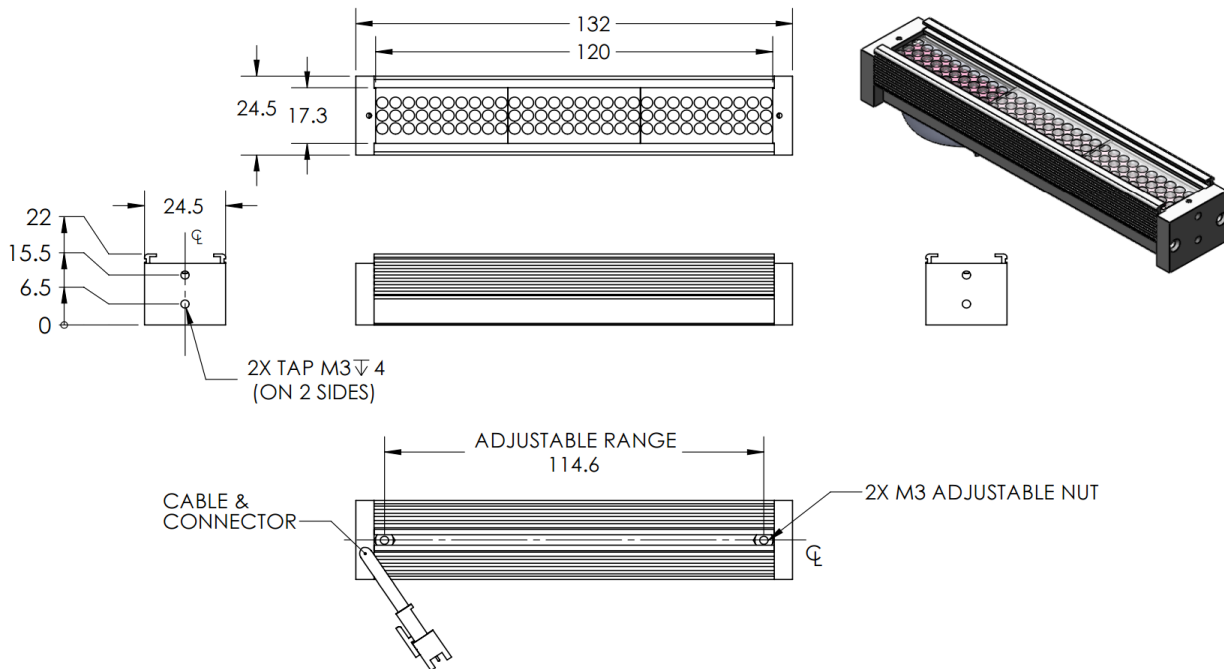




# ILLUMINATOR DATA-ID

## LBRX-00-120-3-W-24V

### 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 / Height	22 mm



# ILLUMINATOR DATA-ID

## LBRX-00-120-3-W-24V

<b>Optical Information</b>																													
Part Number		LBRX-00-120-3-W-24V																											
LED Color		WHITE																											
Wavelength	(nm)	* Refer to the Chromaticity Table Below																											
Intensity (±15%)	(Lux)	12800	11600	10200																									
Working Distance	(mm)	80	90	100																									
Illumination (number of row)		3																											
Illumination Active Area																													
Active Length / Outer Diameter	(mm)	120																											
Active Width / Inner Diameter	(mm)	17.3																											
Emission angle	(deg.)	0																											
Eye Safety Class ( IEC62471 )		EXEMPT																											
<b>*CHROMATICITY TABLE</b>		<table border="1"> <tr> <td>X</td> <td>0.296</td> <td>0.287</td> <td>0.307</td> <td>0.311</td> <td></td> </tr> <tr> <td>Y</td> <td>0.276</td> <td>0.295</td> <td>0.315</td> <td>0.294</td> <td></td> </tr> </table> <table border="1"> <tr> <td>X</td> <td>0.311</td> <td>0.307</td> <td>0.33</td> <td>0.33</td> <td></td> </tr> <tr> <td>Y</td> <td>0.294</td> <td>0.315</td> <td>0.339</td> <td>0.318</td> <td></td> </tr> </table>				X	0.296	0.287	0.307	0.311		Y	0.276	0.295	0.315	0.294		X	0.311	0.307	0.33	0.33		Y	0.294	0.315	0.339	0.318	
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<b>Electrical Information</b>																													
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																											
Continuous Current	(mA)	126																											
Power Consumption	(W)	3.02																											
Lighting casing temperature, Operating after 60 minutes	°C	45.1																											
<b>Strobe Mode Specification</b>																													
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)	378																											
Max. Trigger Pulse Duration	(msec)	10																											
Duty Cycle		0-10%																											
<b>Additional Information</b>																													
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																											
<b>Connection</b>																													
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																									
																													
<b>Application</b>																													
Illumination Type		Direct Illumination																											
Application Use		General illumination, label inspection, character inspection, code recognition.																											