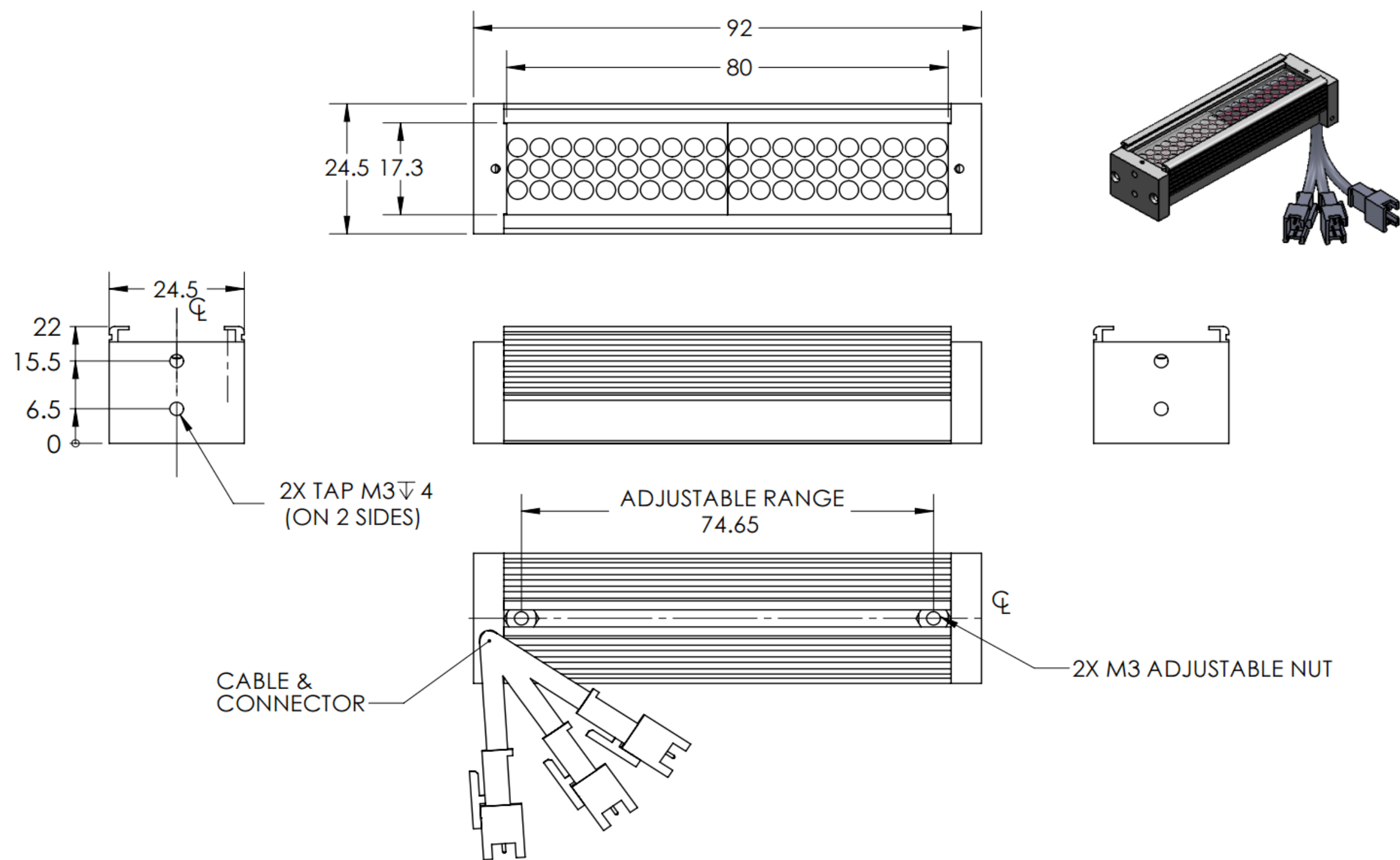




# ILLUMINATOR DATA-ID

**LBRX-00-080-3-RGB-24V**

**Lighting Dimension**




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	80 g
Length / Outer Diameter	92 mm
Width / Inner Diameter	24.5 mm
Thickness / Height	22 mm



# ILLUMINATOR DATA-ID

## LBRX-00-080-3-RGB-24V

Optical Information										
Part Number		LBRX-00-080-3-RGB-24V								
LED Color		RED			GREEN			BLUE		
Wavelength	(nm)	630			525			470		
Intensity (±15%)	(Lux)	7597	6077.6	4955.8	13376.4	10976.6	8875	8548.4	5964	5751
Working Distance	(mm)	80	90	100	80	90	100	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			EXEMPT			II		
Electrical Information										
Lighting Supply Voltage (constant voltage mode)		24V ± 2%								
Continuous Current	(mA)	RED	150		GREEN	150		BLUE	150	
Power Consumption	(W)		3.6			3.6			3.6	
Lighting casing temperature, Operating after 60 minutes	°C		51.5			51.5			51.5	
Max. continous current of RED, GREEN & BLUE LEDs on at the same time	(mA)	RED, GREEN & BLUE LEDs on at the same time are not recommended								
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)	RED	450		GREEN	450		BLUE	450	
Max. pulse current of RED, GREEN & BLUE LEDs on at the same time	(V)	RED, GREEN & BLUE LEDs on at the same time are not recommended								
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 & 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.								