ILLUMINATOR DATA-ID

LBRP-00-040-3-W-24V

Lighting Dimension
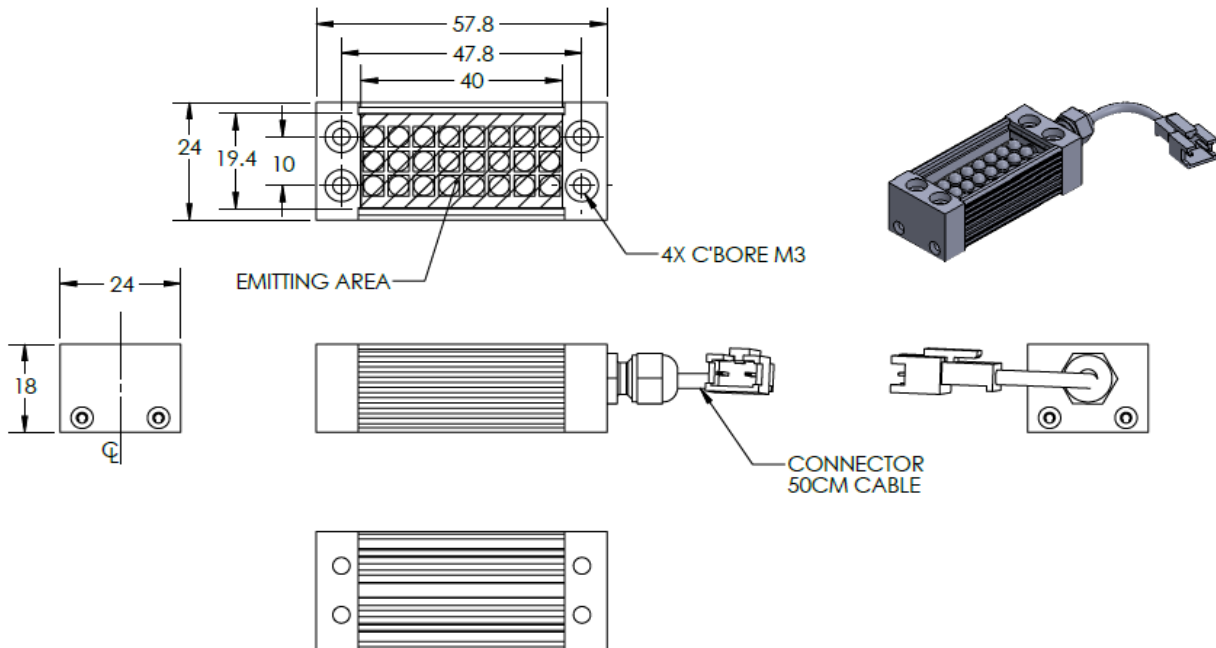
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	61 g
Length / Outer Diameter	57.8 mm
Width / Inner Diameter	24 mm
Thickness / Height	18 mm

ILLUMINATOR DATA-ID

LBRP-00-040-3-W-24V

Optical Information				
Part Number		LBRP-00-040-3-W-24V		
LED Color		WHITE		
Wavelength	(nm)	* Refer to the Chromaticity Table Below		
Intensity (±15%)	(Lux)	18500	16030	13850
Working Distance	(mm)	80	90	100
Illumination (number of row)		3		
Illumination Active Area				
Active Length / Outer Diameter	(mm)	40		
Active Width / Inner Diameter	(mm)	19.4		
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)	80
Power Consumption	(W)	1.92
Lighting casing temperature, Operating after 60 minutes	°C	54.9

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)	240
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

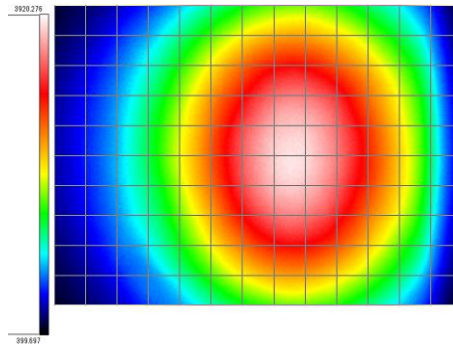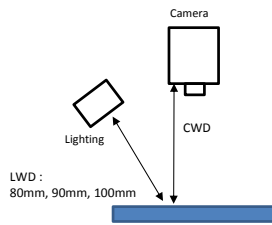| Application		
Illumination Type		Direct Illumination
Applicattion Use		General illumination, label inspection, character inspection, code recognition.

LBRP-00-040-3-W-24V

Uniform Graph (Relaive Irradiation Strength) - Representative pattern

Lens focal length, f = 0.2mm
CWD = 265mm
LWD = 80mm, 90mm, 100mm
Lighting angle: 45°

Tolerance %	L X W
10%	24 x 34
20%	40 x 54
30%	53 x 69
40%	65 x 83

Camera

Lighting

CWD

LWD :
80mm, 90mm, 100mm

3920.276

399.697

* 1 cell = 2mm x 2mm

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