

PLCC Lightbar Series Full Spectrum FPC Datasheet



Product description :

- 24V constant voltage strip (SELV)
- Ideal for application on aluminum extrusions but also for various decorative lighting applications such as cove lighting, facade accent lighting etc.



Features and benefits :

- Infinite close to the sun light band, high fidelity and saturation, the perfect embodiment of the color of the object
- Small color tolerance , $R_a > 95$
- Color temperature 2700, 3000, 4000 and 5700 K
- Self-adhesive 3M tape at the backside for simple mounting on different surfaces
- 3-year guarantee



Typical Applications :

- Lighting of Art Museum Exhibits
- Home or Club Lighting
- Architectural decorative
- Lighting Arch edge Lighting



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General Information

Ordering Code Format

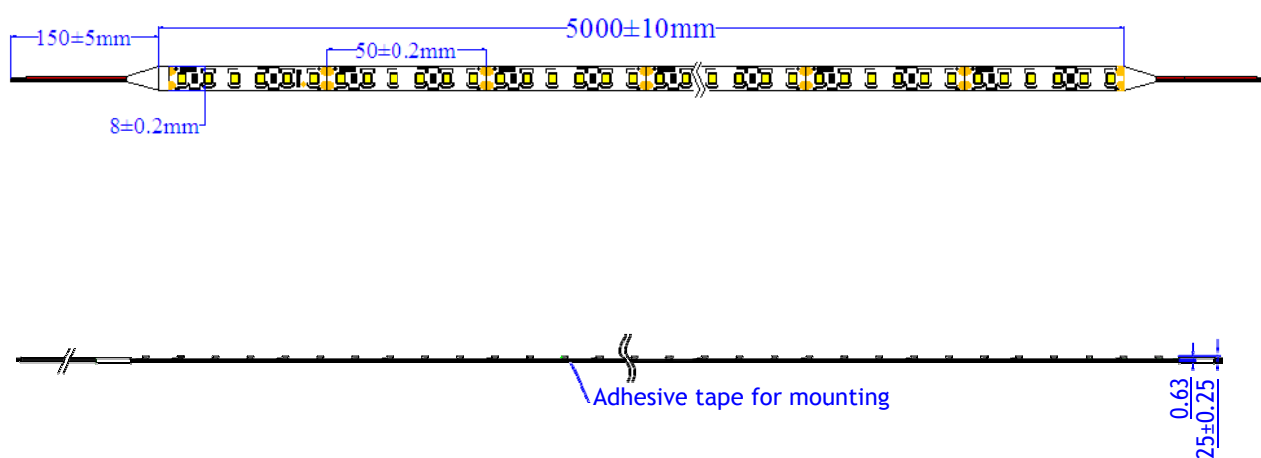
<u>6</u> X1	<u>L B R 1</u> X2		<u>xx</u> X3	<u>x</u> X4	<u>E0</u> X5	<u>S</u> X6	<u>xxx</u> X7	<u>xx</u> X8	
X1 Item		X2 Series		X3 Emitting Color		X4 Driver		X5 Length	
6	Module	LBR1	FPC	CW	Cool White	J	CV 24V	E0	5M
				NW	Neutral White				
				WW	Warm White				
X6 Emitter		X7 Number of LEDs(M)		X8 Serial No.					
S	2835	120	120pcs	xx	--				

Technical data

Parameter	Value	Units
Beam characteristic	120	°C
Ambient temperature range	-25~ +45	°C
Tp rated	65	°C
Tc	75	°C
Type of protection	IP20	
Color Temperature	3000	K
	4000	K
	5700	K
Number of connection	5	M
Risk group(EN62778)	1	
Classification acc. to	IEC62031	
	IEC62778	
	IEC62717	
	IEC61000-4-2	

Product Dimensions

2835-120LED/M Series Dimensions (CV 24V IP20)



Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.20 \text{ mm}$

Electric-Optical Characteristics

2835-24V-120LEDS/M

Order code	CCT (K)	Voltage (CV)	Luminous flux (lm/M)	Efficacy (lm/W)	Power (W/M)	Ra
6LBR1WWJE0S12018	2700	24	800	84	9.6	>95
	3000	24	800	84	9.6	>95
6LBR1NWJE0S12018	4000	24	860	90	9.6	>95
6LBR1CWJE0S12018	5700	24	860	90	9.6	>95

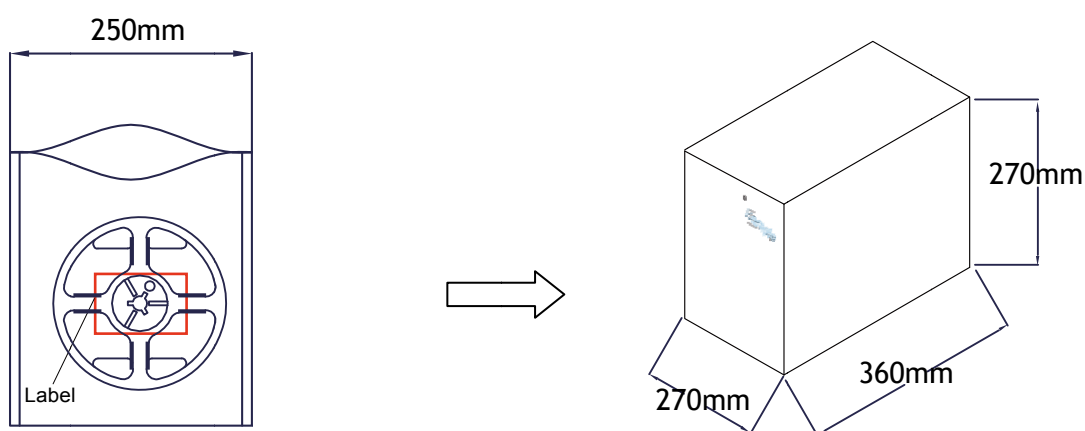
Notes:

1. The Maximum and minimum lumen flux are based on $\pm 10\%$ of the typical rate.
2. The Maximum and minimum Power are based on $\pm 10\%$ of the typical rate.

Standards

Product Packaging Information

Type	Anti-static bag size(mm)	Anti-static bags/ inner box(pcs)	Outside Carton size(mm)	GW±5% (kg)
2835-24v-120LED/M	250x25	10	360x270x270	7.3



EX:



Label information

Part NO. : Order code

Color : Color(Emitter BIN color)

Quantity : The number of packing

Lot NO. : Date code

Precaution for Use

1. DO NOT use the products with materials has Sulfur.
2. DO NOT assemble in humid environment or the conditions of containing oxidizing gas such as C1, H₂S, NH₃, SO₂, NO_X, etc.
3. DONOT add or change wires while the circuit of Module is active. Long time exposure to sunlight or UV should be avoided.
4. DONOT press the product; even a slight pressure may damage the product. The environments such as high temperatures, high humidity or direct expose to sunlight should be avoided since the product is sensitive to these conditions.
5. Installation of LED modules (with power supplies) needs to be made with regard to all applicable and safety standards. Only qualified personnel should be allowed to perform installations.
6. Assembly must not damage or destroy conducting paths on the circuit board.
7. Please ensure that the power supply is of adequate power to operate the total load.
8. The maximum run length from any power feed should be limited to 5000 mm

Environmental Compliance

PLCC lightbar FPC series are compliant to the Restriction of Hazardous Substances Directive or RoHS. The restricted materials including lead, mercury cadmium hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ether (PBDE) are not used in PLCC lightbar FPC series to provide an environmentally friendly product to the customers.

Application Notes

PLCC Lightbar series are available in red, yellow, green, blue, white, neutral white and warm white for application such as under-cabinet lighting, cove lighting and wall washing. Moreover, additional fine-tuned high color rendering index (CRI) version of white, neutral white and warm white all make PLCC Lightbar the ideal lighting choice for vividly building or decoration products, presenting the products outline.

Revision History

Versions	Description	Release Date
1.0	Establish order code information	2021/12/30

About Edison Opto

Edison Opto is a leading manufacturer of high power LED and a solution provider experienced in LDMS. LDMS is an integrated program derived from the four essential technologies in LED lighting applications- Thermal Management, Electrical Scheme, Mechanical Refinement, Optical Optimization, to provide customer with various LED components and modules. More Information about the company and our products can be found at www.edison-opto.com

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