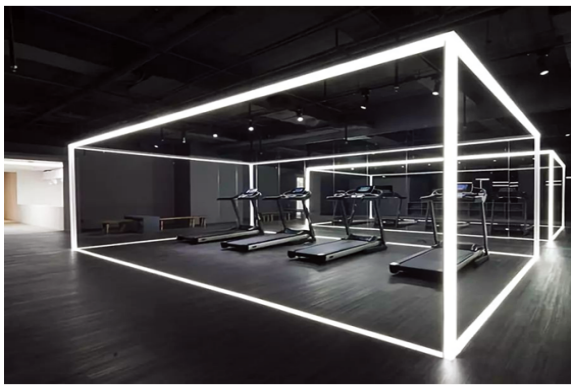
EDISON
Lighting Design Manufacturing Service

Lightbar Series

PLCC 2835 Hunter Lightbar IP20 High Luminous Efficiency Series Datasheet

CE ENEC RoHS

Product description :



- 24 V constant voltage strip
- The maximum light efficiency can reach 140LM/W.

Features and benefits :

- Small color tolerance (SDCM 3-5), Ra> 80
- 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 :

- Linear lighting
- Architectural Lighting

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General Information

Ordering Code Format

6	L B R 1	x x	J	E 0	S	x x x	x x
X1	X2	X3	X4	X5	X6	X7	X8

X1 Item		X2 Series		X3 Emitting Color		X4 Driver		X5 Length	
6	Module	LBR1	FPC	CW	Cool White	J	CV 24V	E0	5.0M
				NW	Neutral White				
				WW	Warm White				

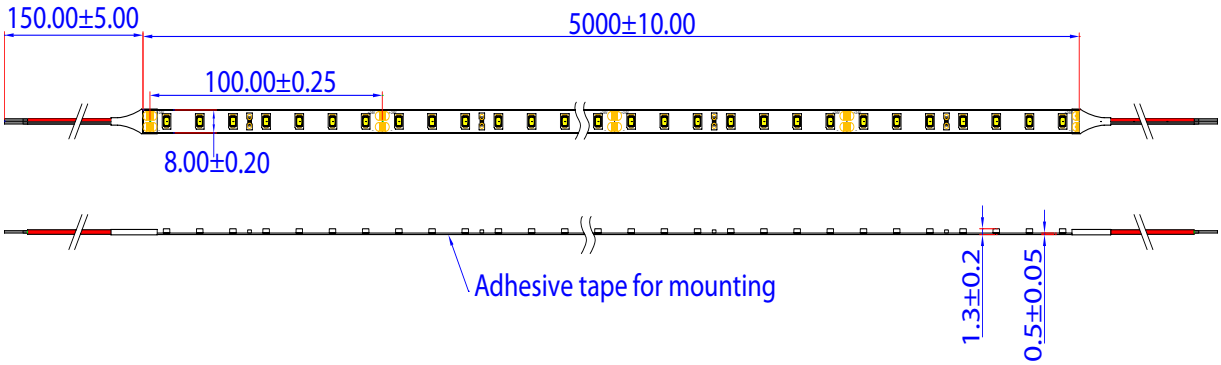
X6 Emitter		X7 Number of LEDs(M)		X8 Serial No.	
S	2835	070	70pcs	xx	-
		112	112pcs		

Technical data

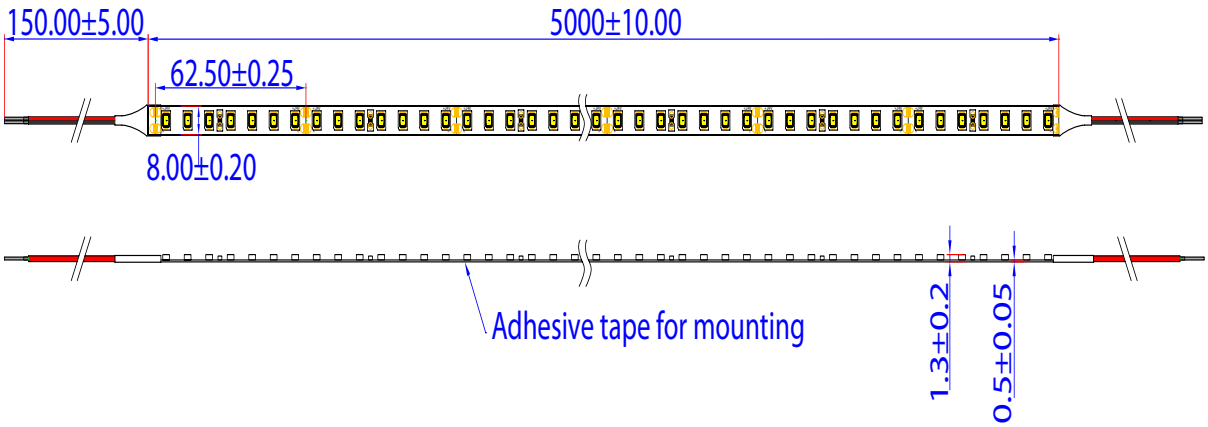
Parameter	Value	Units
Beam characteristic	120	°C
Ambient temperature range	-25~ +45	°C
Tp rated	65	°C
Tc	75	°C
Type of protection	IP20	
Color Temperature	2700	K
	3000	K
	4000	K
	5700	K
Number of connection	5	M
Risk group(EN62778)	1	
Classification acc. to	IEC62031	
	IEC62778	
	IEC62717	
	IEC61000-4-2	

Mechanical Dimensions

2835-70LEDs/M Series Dimensions (CV 24V IP20)



2835-112LED/M Series Dimensions (CV 24V IP20)



Notes:
1. All dimensions are in millimeters.
2. Tolerance is ±0.20 mm

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Electric-Optical Characteristics

2835-24V-70LEDS/M

Order code	CCT (K/)	Voltage (CV)	Luminous flux TP25°C	Luminous flux TP65°C	Efficacy TP25°C	Efficacy TP65°C	Power (W/M)	Ra
6LBR1CWJE0S07018	5700	24	672 lm/M	605 lm/M	140 lm/W	126 lm/W	4.8	>80
6LBR1NWJE0S07018	4000	24	672 lm/M	605 lm/M	140 lm/W	126 lm/W	4.8	>80
6LBR1WWJE0S07018	3000	24	624 lm/M	561 lm/M	130 lm/W	117 lm/W	4.8	>80
	2700	24	593 lm/M	534 lm/M	124 lm/W	112 lm/W	4.8	>80

2835-24V-112LEDS/M Series

Order code	CCT (K/)	Voltage (CV)	Luminous flux TP25°C	Luminous flux TP65°C	Efficacy TP25°C	Efficacy TP65°C	Power (W/M)	Ra
6LBR1CWJE0S11208	5700	24	1344 lm/M	1209 lm/M	140 lm/W	126 lm/W	9.6	>80
6LBR1NWJE0S11208	4000	24	1344 lm/M	1209 lm/M	140 lm/W	126 lm/W	9.6	>80
6LBR1WWJE0S11208	3000	24	1248 lm/M	1123 lm/M	130 lm/W	117 lm/W	9.6	>80
	2700	24	1186 lm/M	1067 lm/M	123 lm/W	112 lm/W	9.6	>80

Notes:
1.The Maximum and minimum lumen flux are based on ±10% of the typical rate.
2.The Maximum and minimum Power are based on ±10% of the typical rate.

Standards

Energy classification

Type	CCT	Energy Classification
2835-24v-70LED/M Series	2700/3000K	A+
	4000/5700K	A+
2835-24v-112LED/M Series	2700/3000K	A+
	4000/5700K	A+

Thermal details

Storage and humidity

Storage temperature:-35 ... +70 °C
Operation only in non condensing environment.
Humidity during processing of the module should be between 0 to 70 %

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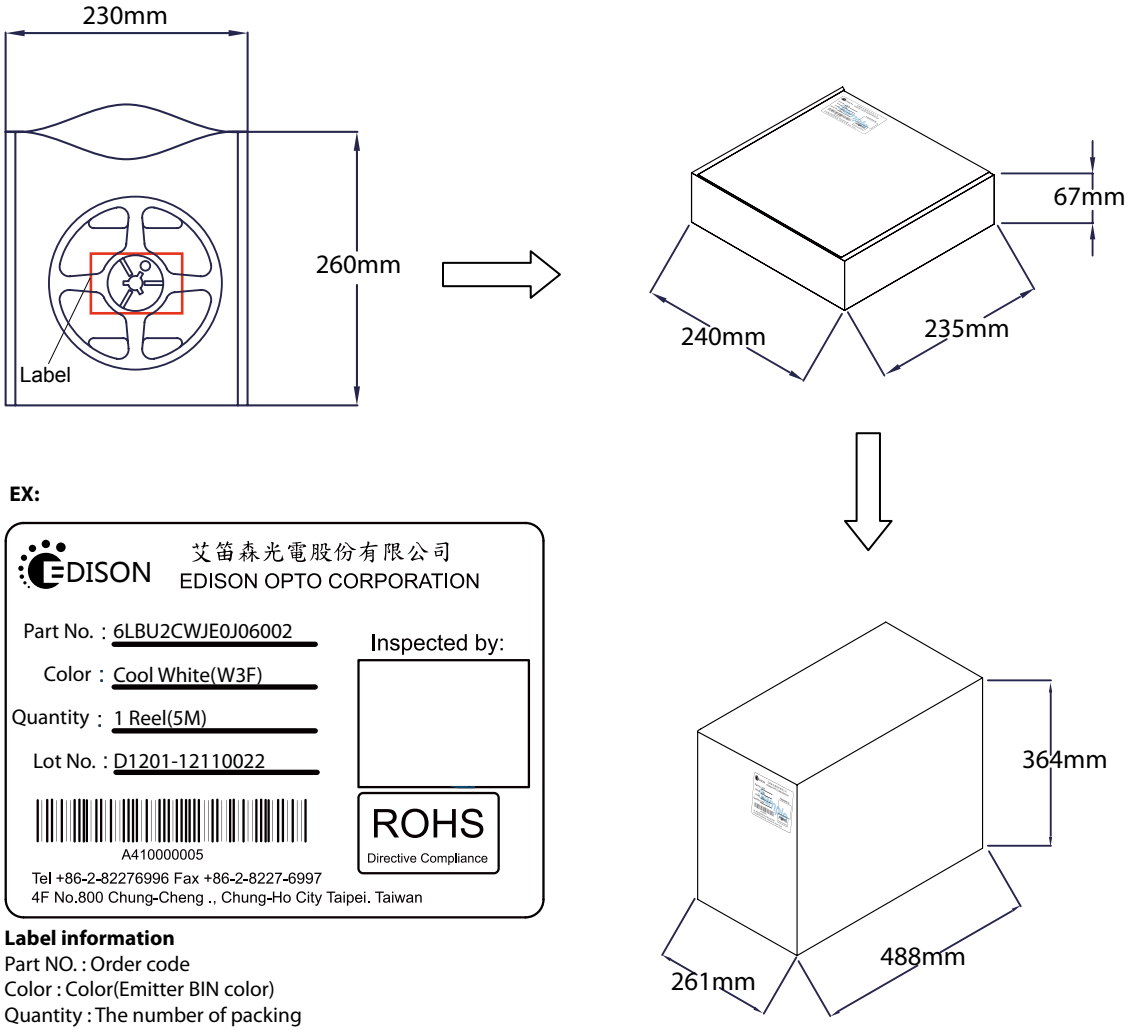
Product Packaging Information

Type	Anti-static bag size(mm)	Anti-static bags/ inner box(pcs)	Inner box/carton(pcs)	Outside Carton size(mm)	GW±5% (kg)
2835-24V-70LED/M Series	260x230x10	5	10	488x261x364	8.9
2835-24V-112LED/M Series	260x230x10	5	10	488x261x364	8.9



EX:

EDISON 艾笛森光電股份有限公司
EDISON OPTO CORPORATION

Part No. : 6LBU2CWJE0J06002
Color : Cool White(W3F)
Quantity : 1 Reel(5M)
Lot No. : D1201-12110022
A410000005
Inspected by:
ROHS
Directive Compliance
Tel +86-2-82276996 Fax +86-2-8227-6997
4F No.800 Chung-Cheng ., Chung-Ho City Taipei. Taiwan

Label information
Part NO. : Order code
Color : Color(Emitter BIN color)
Quantity : The number of packing
Lot NO. : Date code

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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, NOX, etc.
3. DO NOT add or change wires while the circuit of Module s active.Long time exposure to sunlight or UV should be avoided.
4. DO NOT 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.

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Revision History

Versions	Description	Release Date
1	Establish order code information	2019/09/02
2	Revise the Mechanical Dimensions description	2019/11/04
3	Revise Features and benefits Delete life Information	2020/01/21

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

www.edison-opto.com

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