

PLCC 2835 Hunter Lightbar IP65 Series Datasheet



Product description :

- 12/24 V constant voltage strip (SELV)
- Waterproof Level IP65

Features and benefits :

- Small color tolerance, Ra > 80
- Color temperature 2700, 3000, 4000 and 5700 K
- 3-year guarantee

Typical Applications :

- Outdoor or indoor Contour/Border Lighting
- Architectural outline /decorative lighting

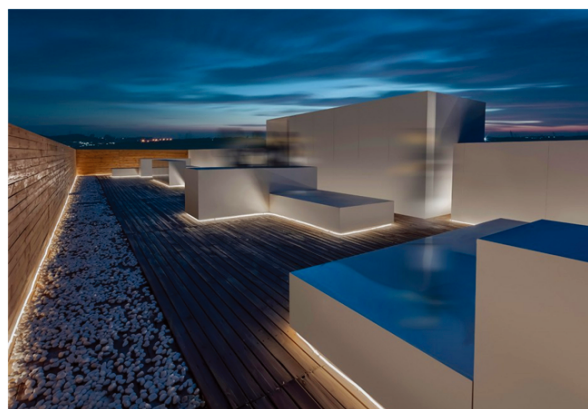


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General Information

Ordering Code Format

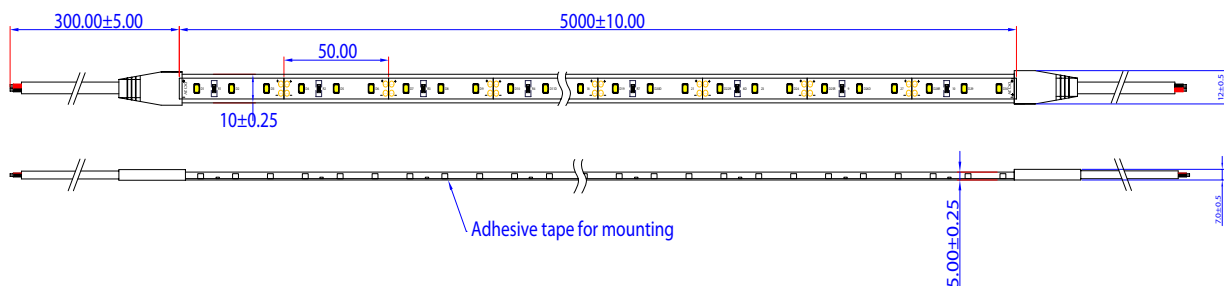
<u>6</u>	<u>L B U 6</u>			<u>x x</u>	<u>x</u>	<u>x 0</u>	<u>x</u>	<u>x x 0</u>	<u>x x</u>		
X1	X2			X3		X4	X5		X6	X7	X8
X1 Item		X2 Series		X3 Emitting Color		X4 Driver		X5 Length			
6	Module	LBU6	FPC	CW	Cool White	I	CV 12V	E0	5M		
				NW	Neutral White	J	CV 24V				
				WW	Warm White						
X6 Emitter		X7 Number of LEDs (M)		X8 Serial No.							
S	2835	060	60pcs	xx	-						
		120	120pcs								

Technical data

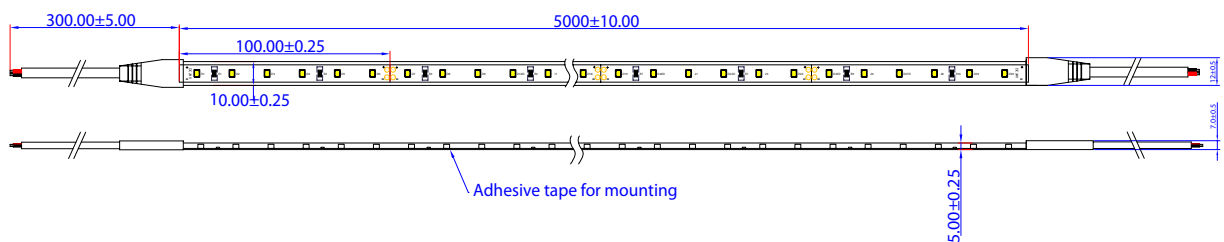
Parameter	Value	Units
Beam characteristic	120	°C
Ambient temperature range	-25~ +45	°C
Tp rated	65	°C
Tc	75	°C
Type of protection	IP65	
Color Temperature	2700	K
	3000	K
	4000	K
	5700	K
Number of connection	5	M
Risk group(EN62778)	1	
Classification acc. to	IEC62031	
	IEC62778	
	IEC62717	
	IEC61000-4-2	

Mechanical Dimensions

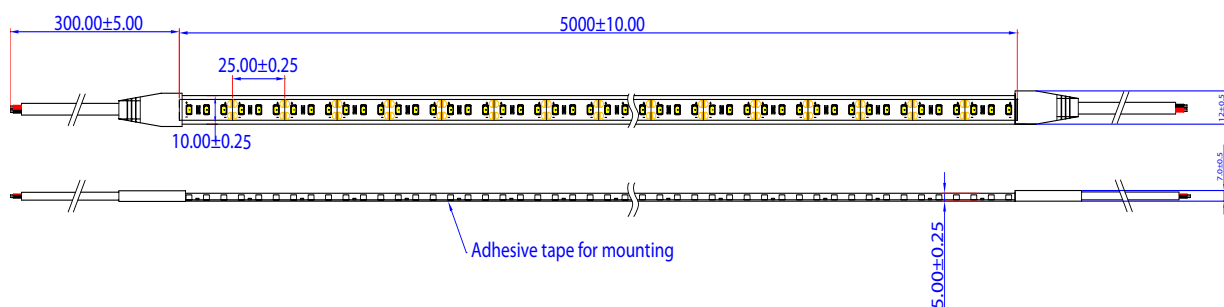
2835-60LED/M Series Dimensions (CV 12V IP65)



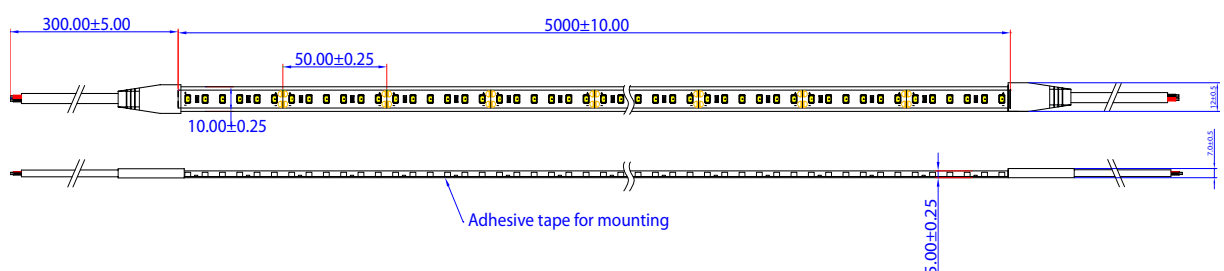
2835-60LED/M Series Dimensions (CV 24V IP65)



2835-120LED/M Series Dimensions (CV 12V IP65)



2835-120LED/M Series Dimensions (CV 24V IP65)



Notes:

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

Electric-Optical Characteristics

2835 60D/M IP65 CV12V 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
6LBU6CWIE0S06001	5700	12	510 lm/M	460 lm/M	106 lm/W	95 lm/W	4.8	>80
6LBU6NWIE0S06001	4000	12	510 lm/M	460 lm/M	106 lm/W	95 lm/W	4.8	>80
6LBU6WWIE0S06001	3000	12	465 lm/M	420 lm/M	97 lm/W	87 lm/W	4.8	>80
	2700	12	440 lm/M	396 lm/M	92 lm/W	83 lm/W	4.8	>80

2835 60D/M IP65 CV24V 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
6LBU6CWJE0S06001	5700	24	510 lm/M	460 lm/M	106 lm/W	95 lm/W	4.8	>80
6LBU6NWJE0S06001	4000	24	510 lm/M	460 lm/M	106 lm/W	95 lm/W	4.8	>80
6LBU6WWJE0S06001	3000	24	465 lm/M	420 lm/M	97 lm/W	87 lm/W	4.8	>80
	2700	24	440 lm/M	396 lm/M	92 lm/W	83 lm/W	4.8	>80

2835 120D/M IP65 CV12V 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
6LBU6CWIE0S12001	5700	12	1020 lm/M	920 lm/M	106 lm/W	96 lm/W	9.6	>80
6LBU6NWIE0S12001	4000	12	1020 lm/M	920 lm/M	106 lm/W	96 lm/W	9.6	>80
6LBU6WWIE0S12001	3000	12	930 lm/M	840 lm/M	97 lm/W	88 lm/W	9.6	>80
	2700	12	880 lm/M	790 lm/M	92 lm/W	82 lm/W	9.6	>80

2835 120D/M IP65 CV24V 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
6LBU6CWJE0S12001	5700	24	1020 lm/M	920 lm/M	106 lm/W	96 lm/W	9.6	>80
6LBU6NWJE0S12001	4000	24	1020 lm/M	920 lm/M	106 lm/W	96 lm/W	9.6	>80
6LBU6WWJE0S12001	3000	24	930 lm/M	840 lm/M	97 lm/W	88 lm/W	9.6	>80
	2700	24	880 lm/M	790 lm/M	92 lm/W	82 lm/W	9.6	>80

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.
3. CCT are based on $\pm 10\%$ of the typical rate.

Standards

Energy classification

Type	CCT	Energy Classification
2835 60D/M IP65 CV12V Series	2700/3000K	A+
	4000/5700K	A+
2835 60D/M IP65 CV24V Series	2700/3000K	A+
	4000/5700K	A+
2835 120D/M IP65 CV12V Series	2700/3000K	A+
	4000/5700K	A+
2835 120D/M IP65 CV24V Series	2700/3000K	A+
	4000/5700K	A+

Thermal details

Energy classification

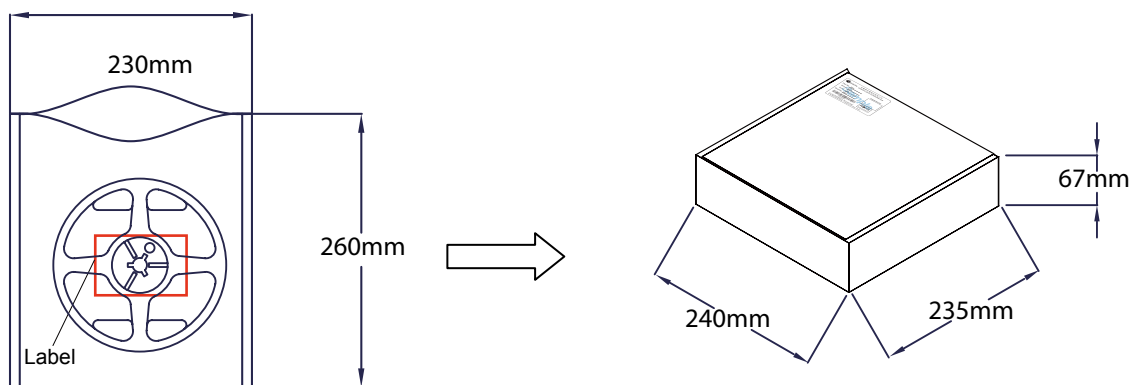
Storage temperature:-35 ... +70 °C

Operation only in non condensing environment.

Humidity during processing of the module should be between 0 to 70 %

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)
2835-60D/M IP65 CV12 Series	260x230x10	4	10	488x261x364	15.3
2835-60D/M IP65 CV24 Series	260x230x10	4	10	488x261x364	15.3
2835-120D/M IP65 CV12 Series	260x230x10	4	10	488x261x364	15.3
2835-120D/M IP65 CV24 Series	260x230x10	4	10	488x261x364	15.3

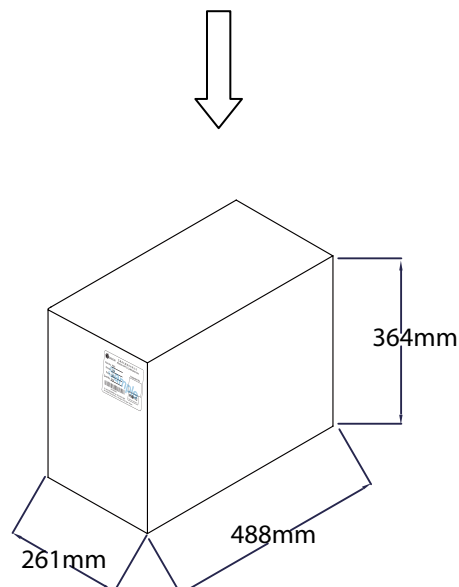


EX:

 艾笛森光電股份有限公司 EDISON OPTO CORPORATION	
Part No. : <u>6LBU6CWJE0S06001</u>	Inspected by:   ROHS Directive Compliance
Color : <u>Cool White(W3F)</u>	
Quantity : <u>1 Reel(5M)</u>	
Lot No. : <u>D1201-12110022</u>	
 A410000005 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



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 is 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.

Revision History

Versions	Description	Release Date
1	Establish order code information	2017/10/18
2	Revise IP Value Revise Absolute Maximum Ratings Value Revise Precaution for Use Information	2018/01/09
3	Revise Electric-Optical Characteristics	2018/10/16
4	Upgrade version	2019/08/28
5	Revise Features and benefits Revise Electric-Optical Characteristics 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

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