

# PLCC 5050 Hunter Lightbar IP65 Datasheet



## Product description :

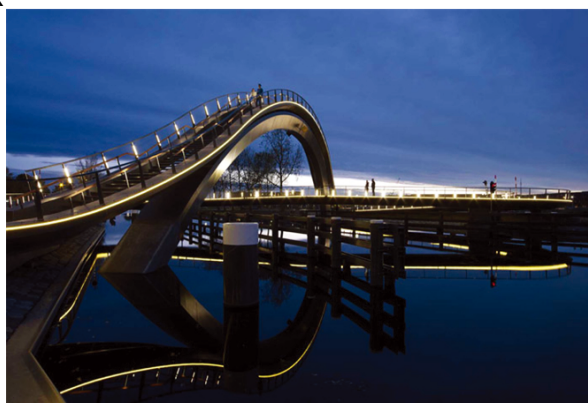
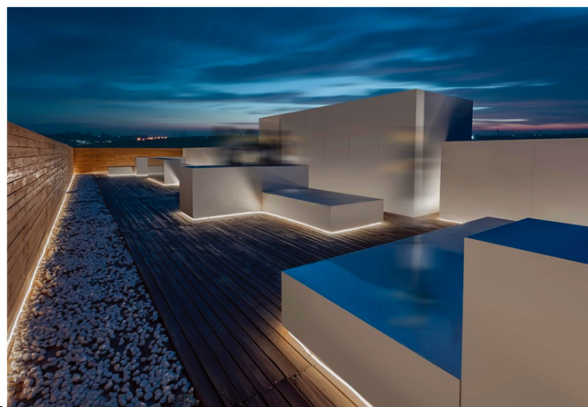
- 12/24 V constant voltage strip (SELV)
- Waterproof Level IP65

## Features and benefits :

- Small color tolerance,  $R_a > 80$
- 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>E 0</u>		<u>x</u>		<u>x x x</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	5.0M						
				NW	Neutral White	J	CV 24V								
				WW	Warm White										
				M1	RGB										

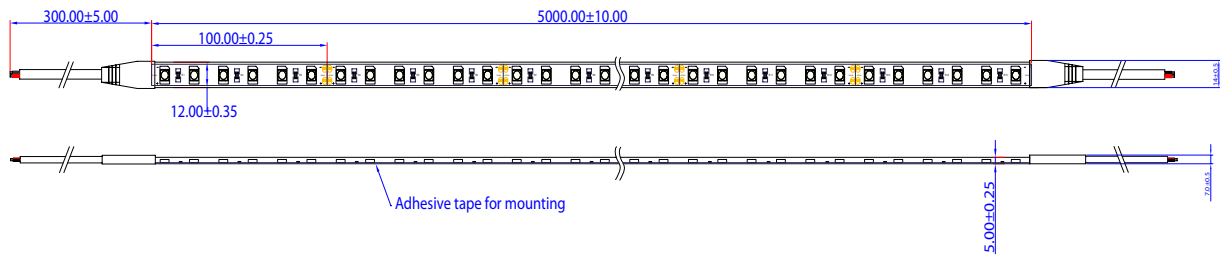
X6 Emitter		X7 Number of LEDs (M)		X8 Serial No.	
M	5050	060	60pcs	xx	-
		120	120pcs		

## Technical data

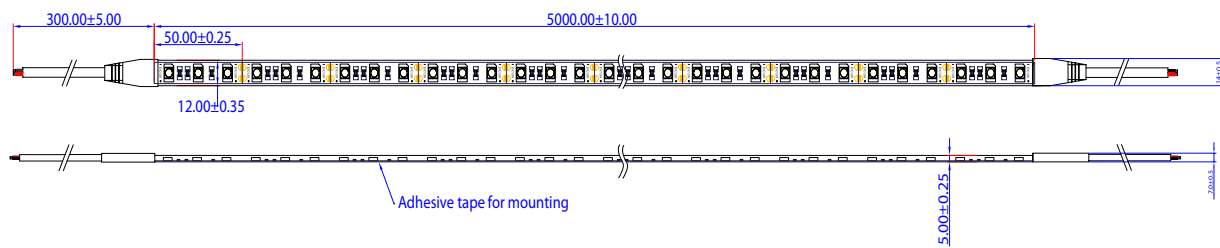
Parameter	Value	Units
Beam characteristic	120	°C
Ambient temperature range	-25~ +45	°C
Tp rated	65	°C
Tc	75	°C
Type of protection	IP65	
Color Temperature	2700	K
	3000	K
	4000	K
	5700	K
Number of connection	5	M
Risk group(EN62778)	1	
Classification acc. to	IEC62031	
	IEC62778	
	IEC62717	
	IEC61000-4-2	

## Mechanical Dimensions

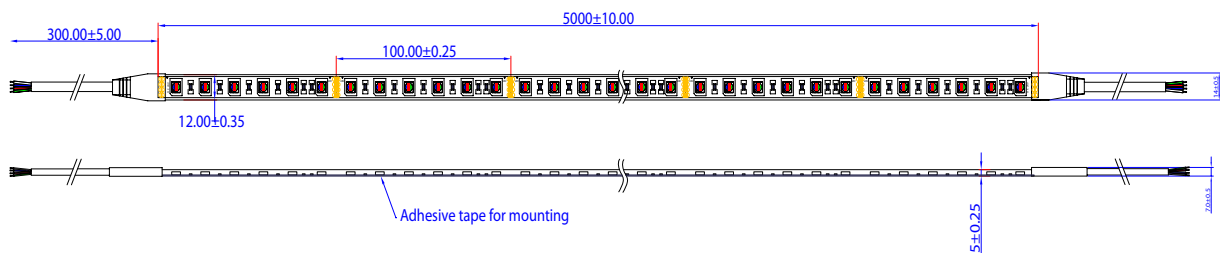
### 5050-60LED/M Series Dimensions (CV 24V IP65)



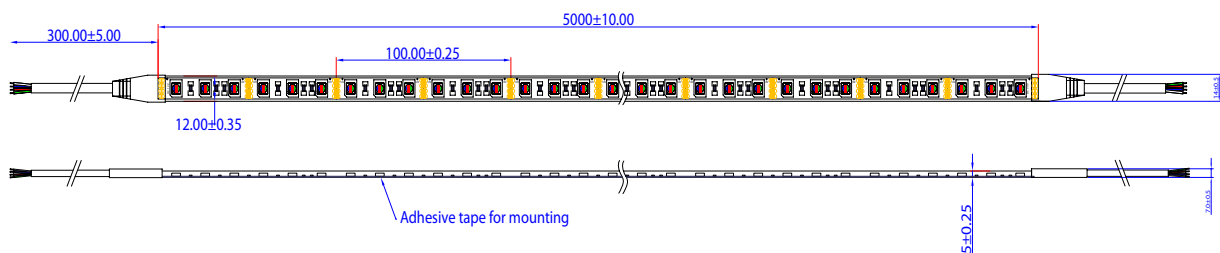
### 5050-60LED/M Series Dimensions (CV 12V IP65)



### 5050 RGB-60LED/M Series Dimensions (CV 24V IP65)



### 5050 RGB-60LED/M Series Dimensions (CV 12V IP65)



#### Notes:

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

## Electric-Optical Characteristics

### 5050 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
6LBU6CWIE0M06001	5700	12	1325 lm/M	1193 lm/M	92 lm/W	83 lm/W	14.4	>80
6LBU6NWIE0M06001	4000	12	1325 lm/M	1193 lm/M	92 lm/W	83 lm/W	14.4	>80
6LBU6WWIE0M06001	3000	12	1240lm/M	1116 lm/M	86 lm/W	77 lm/W	14.4	>80
	2700	12	1178 lm/M	1060 lm/M	73 lm/W	66 lm/W	14.4	>80

### 5050 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
6LBU6CWJE0M06001	5700	24	1325 lm/M	1193 lm/M	92 lm/W	83 lm/W	14.4	>80
6LBU6NWJE0M06001	4000	24	1325 lm/M	1193 lm/M	92 lm/W	83 lm/W	14.4	>80
6LBU6WWJE0M06001	3000	24	1240 lm/M	1116 lm/M	86 lm/W	77 lm/W	14.4	>80
	2700	24	1178 lm/M	1060 lm/M	73 lm/W	66 lm/W	14.4	>80

### 5050 RGB-60LED/M IP65 CV12V Series

Order code	CCT (K)/nm	Voltage (CV)	Luminous flux TP25°C	Luminous flux TP65°C	Efficacy TP25°C	Efficacy TP65°C	Power (W/M)	Ra
6LBU6M1IE0M06002	R:620-635	12	112 lm/M	101 lm/M	23 lm/W	21 lm/W	4.8	-
	G:520-535	12	290 lm/M	261 lm/M	60 lm/W	54 lm/W	4.8	-
	B:460-475	12	58 lm/M	52 lm/M	12 lm/W	11 lm/W	4.8	-

### 5050 RGB-60LED/M IP65 CV24V Series

Order code	CCT (K)/nm	Voltage (CV)	Luminous flux TP25°C	Luminous flux TP65°C	Efficacy TP25°C	Efficacy TP65°C	Power (W/M)	Ra
6LBU6M1JE0M06002	R:620-635	24	112 lm/M	101 lm/M	23 lm/W	21 lm/W	4.8	-
	G:520-535	24	290 lm/M	261 lm/M	60 lm/W	54 lm/W	4.8	-
	B:460-475	24	58 lm/M	52 lm/M	12 lm/W	11 lm/W	4.8	-

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
5050 60D/M IP65 CV12V Series	2700/3000K	A+
	4000/5700K	A+
5050 60D/M IP65 CV24V Series	2700/3000K	A+
	4000/5700K	A+
5050 RGB-60LED/M IP65 CV12V Series	RGB	-
5050 RGB-60LED/M IP65 CV24V Series	RGB	-

## Thermal details

### Energy classification

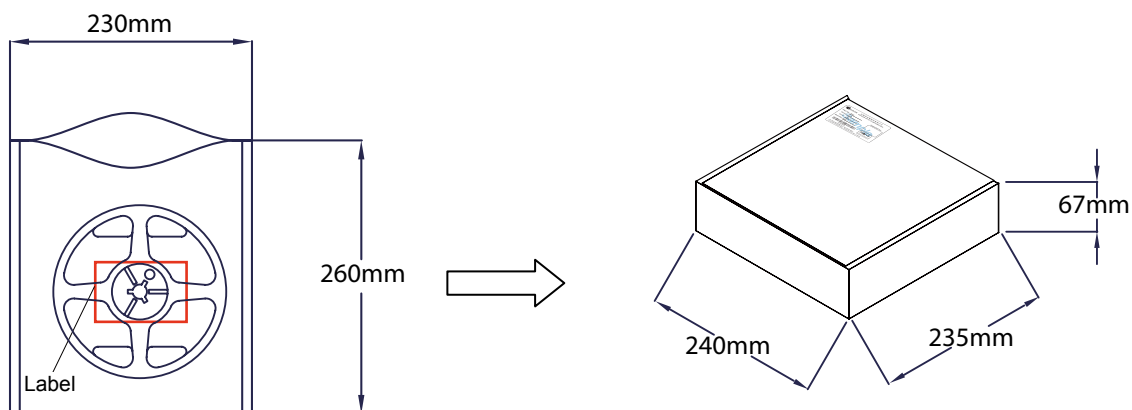
Storage temperature:-35 ... +70 °C

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)
5050-60D/M IP65 CV12 Series	260x230x10	3	10	488x261x364	12.2
5050-60D/M IP65 CV24 Series	260x230x10	3	10	488x261x364	12.2
5050-RGB-60D/M IP65 CV12 Series	260x230x10	3	10	488x261x364	12.2
5050-RGB-60D/M IP65 CV24 Series	260x230x10	3	10	488x261x364	12.2



EX:

 艾笛森光電股份有限公司 EDISON OPTO CORPORATION	
Part No. : <u>6LBU6CWJE0M06002</u>	Inspected by:  
Color : <u>Cool White(573)</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	

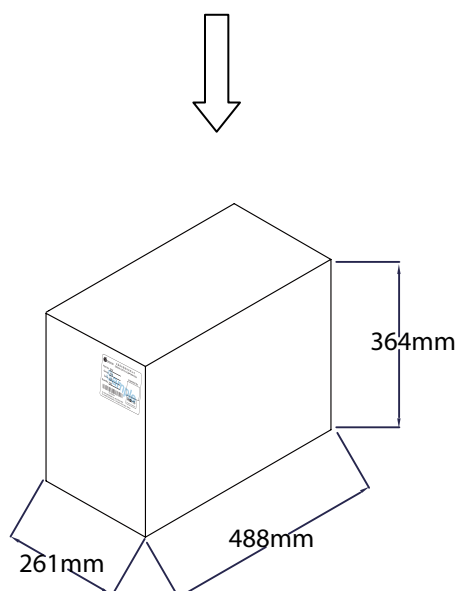
### Label information

Part NO. : Order code

Color : Color(Emitter BIN color)

Quantity : The number of packing

Lot NO. : Date code



## Precaution for Use

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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, H<sub>2</sub>S, NH<sub>3</sub>, SO<sub>2</sub>, 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

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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

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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	2017/10/20
2	Revise IP Value Revise Absolute Maximum Ratings Value Revise Precaution for Use Information	2018/01/09
3	Revise Electric-Optical Characteristics Add 5050 RGB Lightbar specifications	2018/10/16
4	Upgrade version	2019/09/02
5	Revise Electric-Optical Characteristics	2019/11/04
6	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](http://www.edison-opto.com)

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For technical assistance please contact:  
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