



PARA LIGHT ELECTRONICS CO.,LTD

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Data Sheet 規格書

Product Name LED Light Bar

Model Number: PL-45WLBRGBCT-5V-S77

Version: A /0

Producer: Yanhongchun Auditing: _____ Approval: _____

FEATURES/特點:

- ※ Semiconductor light-emitting principle of power-saving.
半導體發光節電原理。
- ※ Long life, More than 20,000 hours.
長壽命，超過20000小時。
- ※ RoHS compliant.
符合RoHS標準。
- ※ IP=65

PURPOSE/目的:

- ※ Backlight illumination
背光照明

APPLICATION/應用:

- ※ Wide range of applications, For civil, commercial or industry BL use.
應用範圍廣，民用，商用或工業用。

ENVIRONMENTAL CONDITION/環境條件:

- ※ The environmental condition as below /所述環境條件如下

Item/項目	Condition/條件	Notes/備註
Operation Temperature / 工作溫度[°C]	-40~+80	
Operation Humidity / 工作濕度[%]	5~60	
Storage Temperature / 儲存溫度[°C]	-40~+75	
Storage Humidity / 儲存濕度 [%]	5~75	

SHAPE STRUCTURE SIZE / 外形结构 尺寸 :

※ Photo/圖片



- Note/備註:

- 1.All dimension unit is millimeters
所有尺寸單位為毫米

※ Layout /布局



正面开窗层



正面线路层



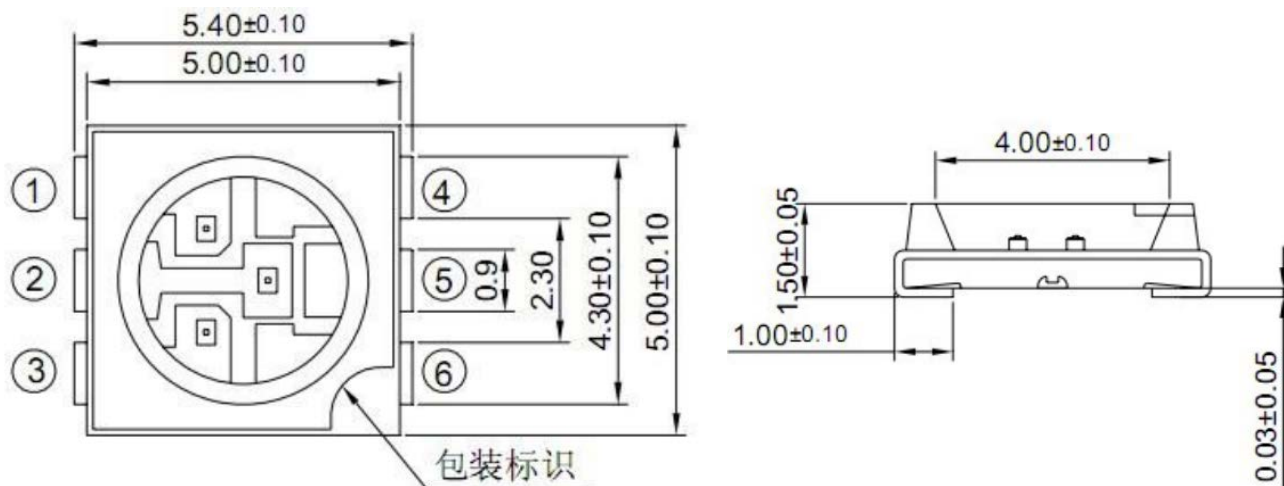
反面线路层



反面开窗层

※ Technical parameters/技術參數

Input Voltage / 输入电压	DC5V
LED Type / 光源類型	PLCC5050
LED Quantity / 光源數量	300pcs/5 米
Working current/工作电流	2.0A±10%
Lamp power /灯具功率	45W/5 米±10%
Luminescent intensity (R) / 发光强度 (R)	40-46LM
Luminescent intensity (G) / 发光强度 (G)	110-160 LM
Luminescent intensity (B) / 发光强度 (B)	20-26 LM
Operating voltage (R) / 工作电压 (R)	5V
Operating voltage (G) / 工作电压 (G)	5V
Operating voltage (B) / 工作电压 (B)	5V
Dominant Wavelength (R) / 主波長 (R)	625nm±10nm
Dominant Wavelength (G) / 主波長 (G)	520nm±10nm
Dominant Wavelength (B) / 主波長 (B)	465nm±10nm
Light Source Life Span / 壽命	>20000 Hrs

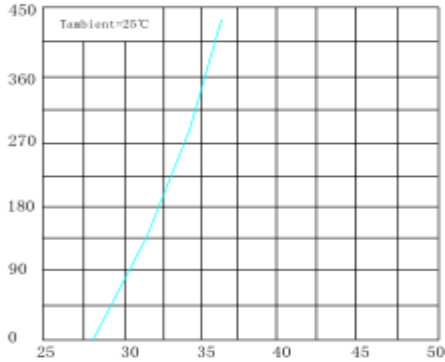
PACKAGE DIMENSIONS(封装尺寸):

注释 NOTES:

- 1、 所有的尺寸均以毫米(英寸) All dimensions are in millimeters (inches);
- 2、 0.2 毫米(0.008 英寸),除非另有注明;公差是 Tolerances are 0.2mm (0.008inch) unless otherwise noted

光电特性 (Optical-Electrical Characteristic)

伏安特性

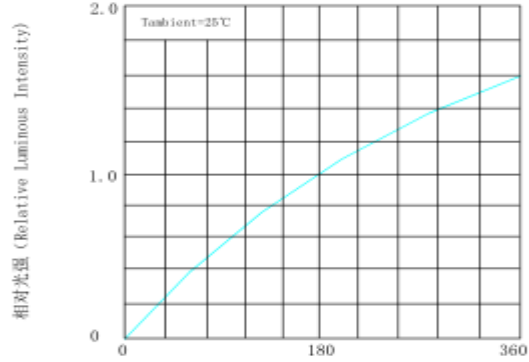
Volt-Ampere Characienistics



正向电压 (Forward Voltage)(V)

相对光强与正向电流特性

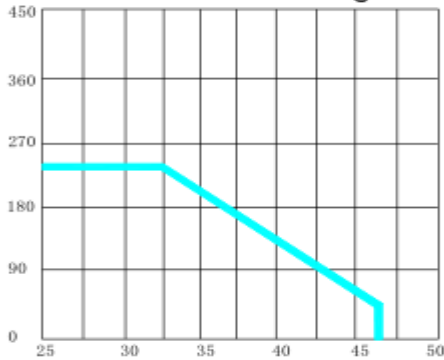
Relative Luminous Intensity VS Forward Current



正向电流 (Forward Current)(mA)

正向电流降额曲线

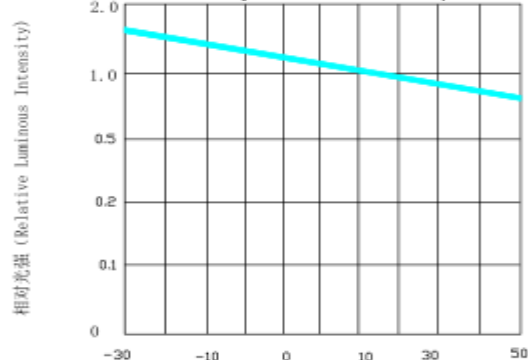
Forward Current Derating Curve



环境温度 (Ambient Temperature)(°C)

光强与环境温度曲线

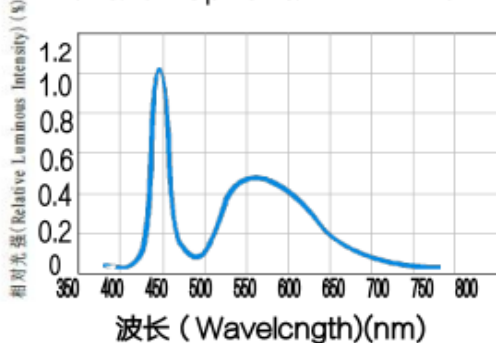
Luminous Intensity VS Ambient Temperature



环境温度 (Ambient Temperature)(°C)

光谱分布特性曲线

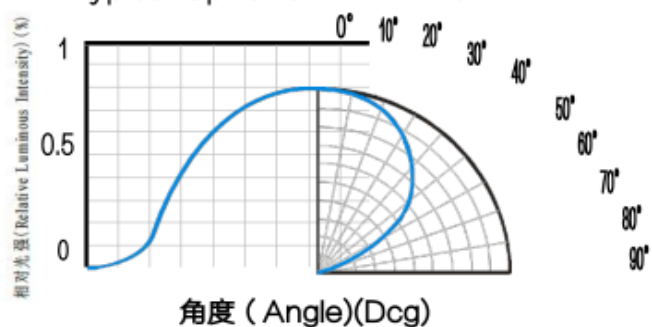
Relative Spectral Distribution



波长 (Wavelength)(nm)

光强分布特性曲线

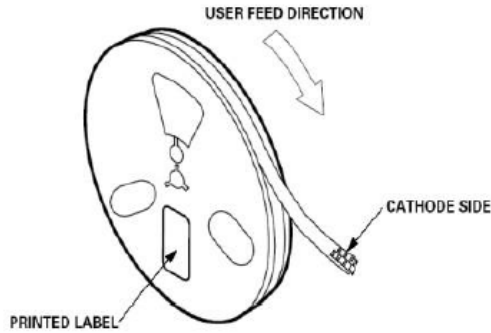
Typical Spectral Distribution



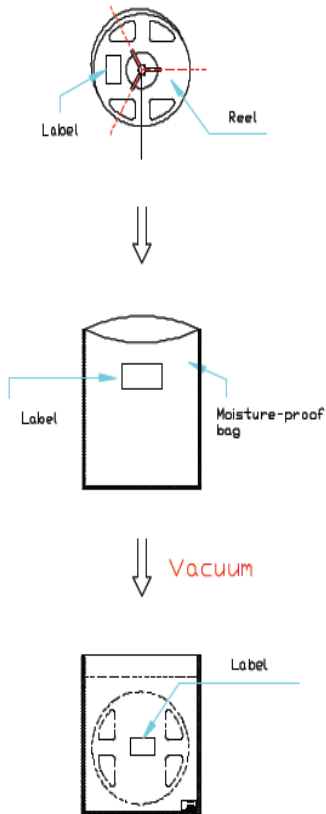
角度 (Angle)(Deg)

Packaging Specifications(包装规格):

1、Feeding Direction(进料方向):



2、Packing Icon(包装图标)



	PARA LIGHT ELECTRONICS CO.,LTD
品 名:	PL-XXXXXXXXXX
规 格:	XXXX
功 率:	XXXX
防水等级:	XXXX
vf	: XXXX
日 期:	XXXX
	ROHS

※ Optical Specification/光學規格**1. Measurement Condition/測量條件****1-1 Environmental Temperature: $25 \pm 2^{\circ}\text{C}$** 環境溫度: $25 \pm 2^{\circ}\text{C}$ **1-2 Environmental Humidity: $50\% \pm 20\%$** 環境濕度: $50\% \pm 20\%$ **1-3 Environmental Luminance: Less than 10(lx) and windless (Typical)**

環境亮度: 小於 10(lx) 無風 (典型值)

2. Measurement Equipment/測量設備**2-1 Spectroradiometric & Electric Analysis: SP-3000**

光色和電力分析: SP-3000

2-2 The PARA LIGHT inspection result is to be taken as the standard. Before approval, both PARA LIGHT and customer should inspect and correct the optical data measured by PARA LIGHT and customer.

光鼎集團檢驗結果將作為標準，

批准前，無論是光鼎和客戶應按測量的結果檢驗并校正光學數據。

3. Measuring means/測量裝置