



Model No : TLY-MB-B-6XK-0D-01

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# Jiang Xi TALOYA Technology CO. LTD.

## SPECIFICATION FOR APPROVAL

Company Name: \_\_\_\_\_

Product Name: LED Square Panel Light

Part No: TLY-MB-B-6XK-0D-01

Description: AC100-240V 50/60Hz

Your Part No: \_\_\_\_\_

| For customer filling  |  |  |  |
|-----------------------|--|--|--|
| Confirmed department. |  |  |  |
| Confirmed result      |  |  |  |
| (Signature)           |  |  |  |
| Finally result        |  |  |  |

| Approve     | Auditing   | Make       |
|-------------|------------|------------|
| Hailin Zhou | Haimin Guo | Martin Liu |

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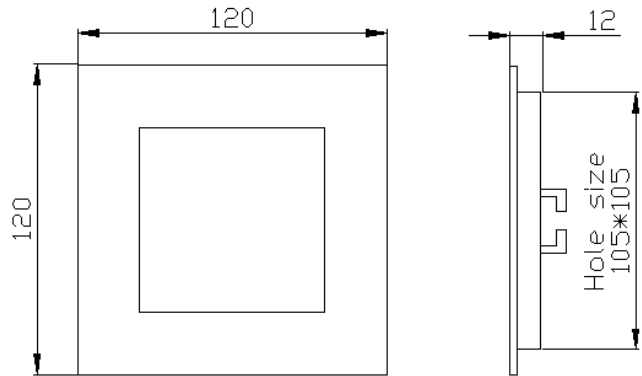
## Product Description

- ◆ Energy saving—Have constant current driver, ultra-low power consumption, high efficiency
- ◆ Environmental—No UV & infrared radiation, Light without the heat, more soft light.
- ◆ Super bright—Use high bright LED, vertical illuminance is exceed to other factory's.
- ◆ Long life—Up to more than 20,000 hours.
- ◆ Attractive appearance—With bright appearance, non-pollution and slim and light, easily installed without fixed holder

## Product Picture

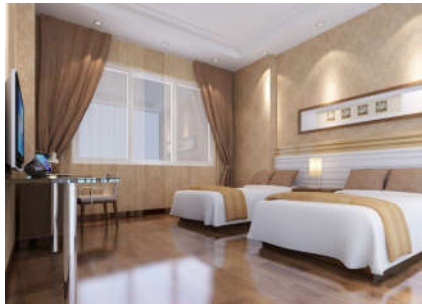


## Product Dimensions

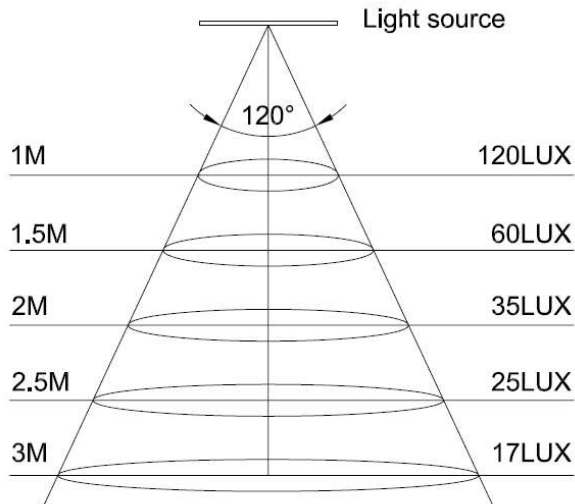


## Application area

It can totally replace fluorescent lamp, applications in various areas of lighting. Such as hotels, bars, supermarkets, restaurants, museums, exhibition halls, conference room, shops, warehouses, home lighting and other places.



## Average illumination figure



## Device Selection Guide

| Part No.           | Color      | Dom. Wavelength or CCT(Typ.) | Lumen |     | LED Type |
|--------------------|------------|------------------------------|-------|-----|----------|
|                    |            |                              | Typ.  | Max |          |
| TLY-MB-B-6CK-0D-01 | Cool white | 6500K                        | 420   | 500 | SMD 2835 |
| TLY-MB-B-6WK-0D-01 | Warm white | 3000K                        | 420   | 500 | SMD 2835 |

Note: [1] If you have any special request, please contact with our salesmen.

## Technical Parameter at T<sub>A</sub>=25°C

| Items   | Symbol         | Min. | Typ.  | Max. | Units |
|---|----------------|------|-------|------|-------|
| Power Consumption                             | P              | 5.5  | 6     | 6.5  | W     |
| Single loop input Voltage (AC) <sup>[1]</sup> | V <sub>i</sub> | 100  | ---   | 240  | V     |
| Single loop input current (AC) <sup>[1]</sup> | I <sub>f</sub> | 50   | ---   | 120  | mA    |
| Viewing Angle                                 | VA             | 115  | 120   | 125  | Deg.  |
| Surface Temperature in Operation Condition    | /              | -20  | ---   | 40   | °C    |
| Surface Temperature in Storage Condition      | /              | -40  | ---   | 55   | °C    |
| Lifespan                                      | H              | ---  | 20000 | ---  | H     |

Note: [1] It is recommended to use the typical input voltage to drive LED light. The unsuitable input voltage will damage the LED light or reduce the life of product.

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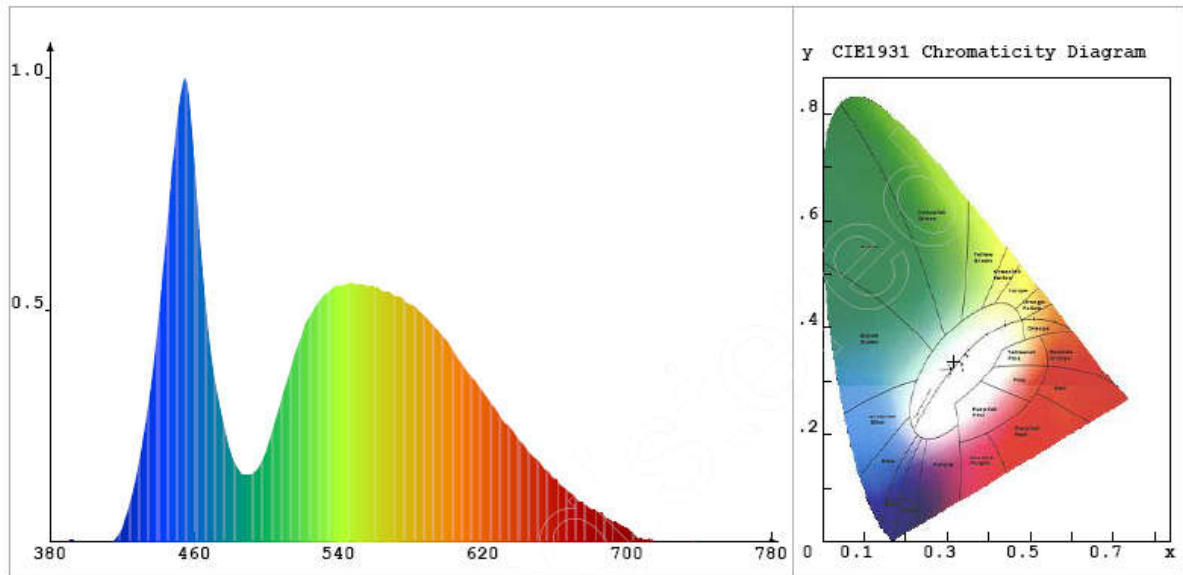
## Integrating sphere test data

◆ Cool white

### LED Test Report

**Product Mark**

Product Type : TLY-MB-B-06CK-0D-01    Manufacturer : TALOYA  
 Temperature : 25'C    Humidity : 75%  
 Operator : Martin    Test Date : 2015-08-08



**Chroma Parameters**

Chro.Coord.: x=0.3162    y=0.3378    u=0.1970    v=0.3156    duv=0.0059  
 CCT: Tc= 6269K    Dominant Wave.: 496.1nm    Purity: 5.5%  
 R ratio: R= 12.3    Peak Wavelength: 454.5nm    Half Width: 25.8nm

**Rending Index: Ra= 73.6**

R1 =69.7    R2 =79.2    R3 =83.3    R4 =70.7    R5 =69.8    R6 =70.5    R7 =85.9  
 R8 =59.9    R9 =-28.0    R10=48.2    R11=65.2    R12=36.5    R13=72.1    R14=90.5  
 R15=65.3

**Photo Parameters**

Flux: 441.79lm    Effi.: 72.4lm/W    RadiantPower: 1281.6mW

**Ele. Parameters**

Voltage:U=219.0V    Current:I=0.055A  
 Power:P= 6.1W    Power Factor:PF=0.535

**Instrument state**

IntgeTime: 222.724ms    VPeak: 13807    VDark: 1377  
 Scan Range: 380-780nm

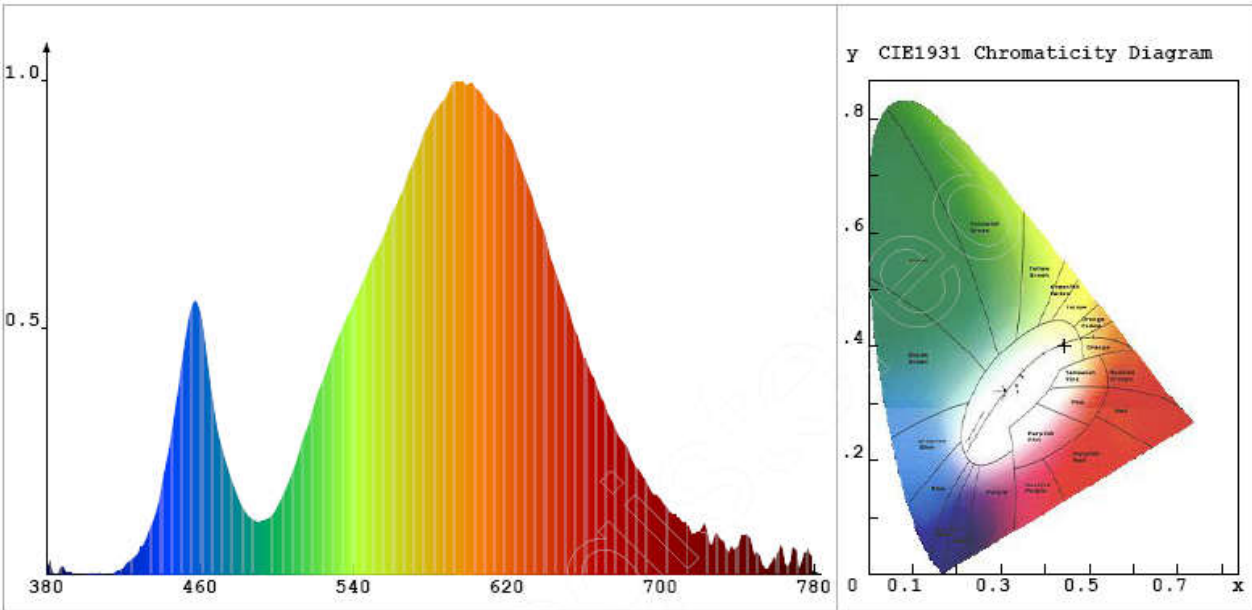
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◆ Warm white

## LED Test Report

**Product Mark**

Product Type : TLY-MB-B-6WK-0D-01      Manufacturer : TALOYA  
 Temperature : 25'C      Humidity : 75%  
 Operator : Martin      Test Date : Aug-5-2015



**Chroma Parameters**

Chro.Coor.: x=0.4447    y=0.4011    u=0.2569    v=0.3476    duv=-0.0021  
 CCT: Tc= 2848K    Dominant Wave.: 585.3nm    Purity: 53.9%  
 R ratio: R= 22.7    Peak Wavelength: 592.6nm    Half Width: 120.2nm

**Rending Index: Ra= 73.9**

R1 =71.1    R2 =85.1    R3 =94.1    R4 =67.0    R5 =69.3    R6 =78.2    R7 =78.5  
 R8 =48.6    R9 =-14.8    R10=63.5    R11=59.0    R12=50.8    R13=74.0    R14=96.5  
 R15=66.0

**Photo Parameters**

Flux: 438.50lm      Effi.: 74.32lm/W      RadiantPower: 2852.2mW

**Ele. Parameters**

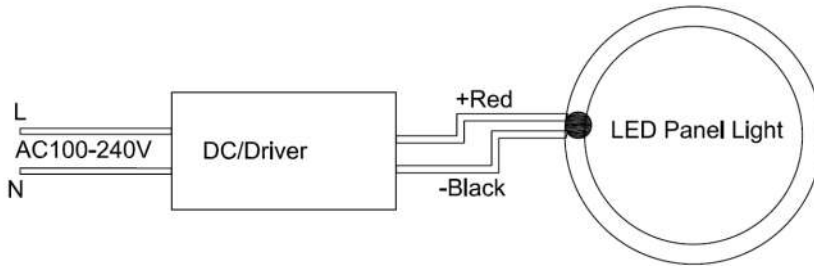
Voltage:U=217.0V      Current:I=0.046A  
 Power:P= 5.9W      Power Factor:PF=0.630

**Instrument state**

IntgeTime: 96.424ms      VPeak: 9541      VDark: 947  
 Scan Range: 380-780nm

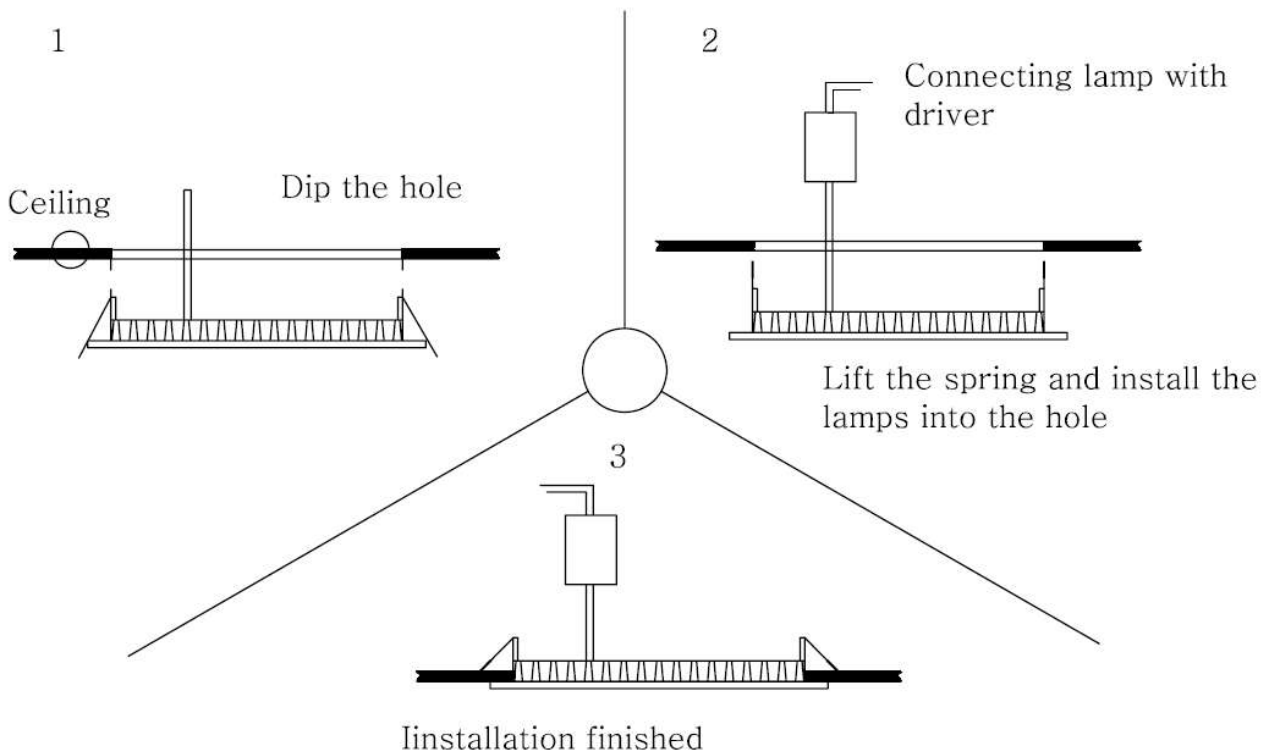
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## Connection



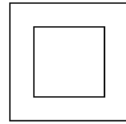
## Installation Instruction

◆ **Attention:** Before installation, power must be cut off to keep people safe.

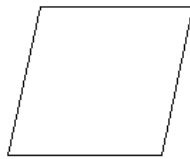


Notice: turn off the light before install or uninstall

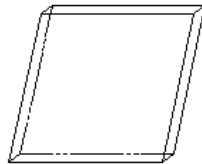
## ■ The view of package



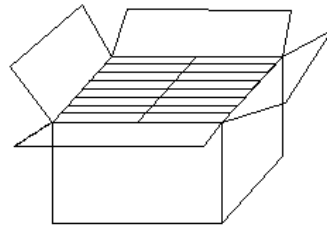
Panel light



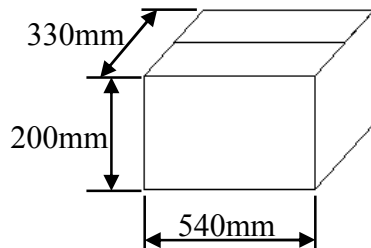
PE bag



Inner box



40pcs/Carton



Sealed carton

|                   |                      |
|-------------------|----------------------|
| Size of panel(mm) | 120*120*12mm         |
| Hole size(mm)     | 105*105mm            |
| Inner box size    | L*W*H: 130x180x28mm  |
| Carton size       | L*W*H: 540x330x200mm |
| Packing quantity  | 40pcs                |
| Net weight        | 6.0kg                |
| Gross weight      | ---kg                |