



Model No : TLY-MB-B-3XK-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-3XK-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

SHENZHEN Add:

613, Huanancheng Development Center, Pinghu St., Longgang Dist., Shenzhen, Guangdong, China (Mainland)

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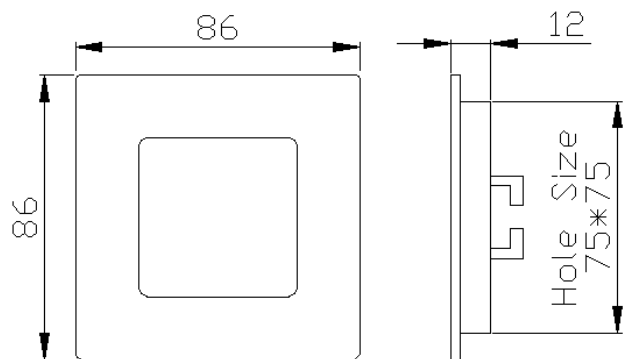
## Product Description

- ◆ 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

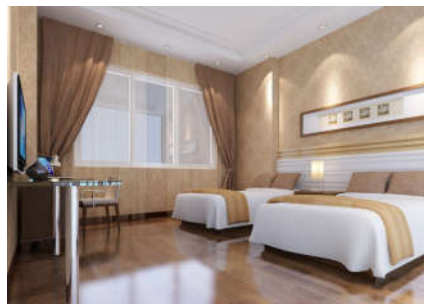


## Product Dimensions

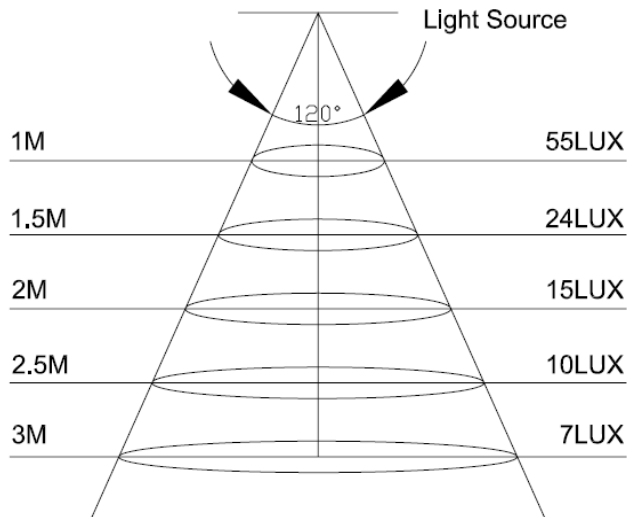


## Application area

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-3CK-0D-01	Cool white	6500K	210	250	SMD 2835
TLY-MB-B-3WK-0D-01	Warm white	3000K	210	250	SMD 2835

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

## Technical Parameter at $T_A=25^{\circ}\text{C}$

Items	Symbol	Min.	Typ.	Max.	Units
Power Consumption	P	2.8	3	3.5	W
Single loop input Voltage (AC) <sup>[1]</sup>	$V_i$	100	---	240	V
Single loop input current (AC) <sup>[1]</sup>	$I_f$	20	---	50	mA
Viewing Angle	VA	115	120	125	Deg.
Surface Temperature in Operation Condition	/	-20	---	40	$^{\circ}\text{C}$
Surface Temperature in Storage Condition	/	-40	---	55	$^{\circ}\text{C}$
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

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## LED Test Report

### Product Mark

Product Type :TLY-MB-B-3CK-0D-01

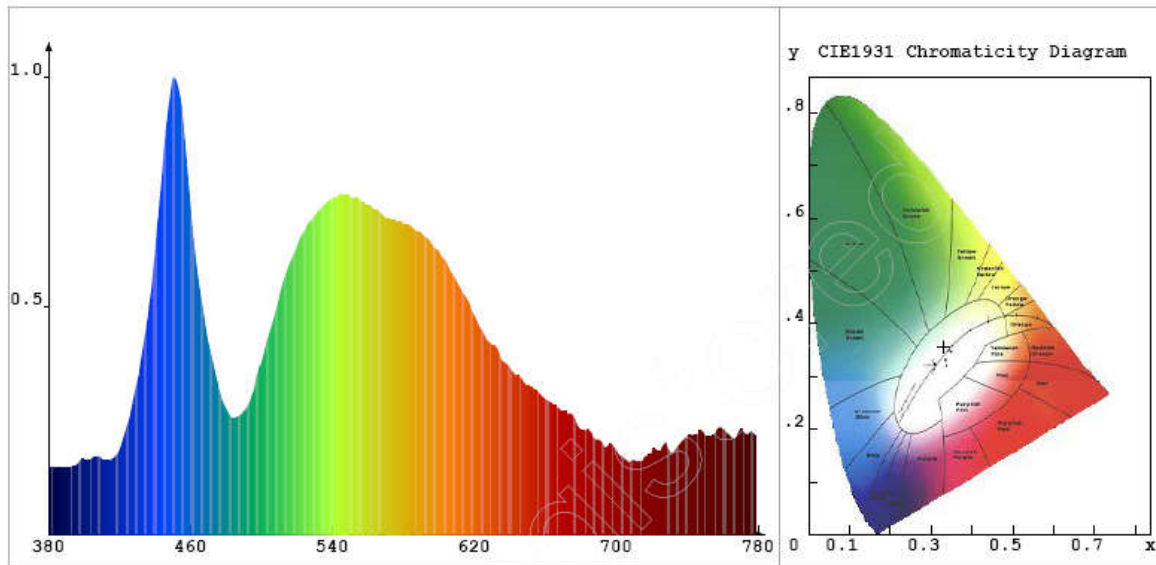
Manufacturer :TALOYA

Temperature : 'C

Humidity :25%

Operator :Martin

Test Date :2015-09-08



### Chroma Parameters

Chro.Coord.: x=0.3311 y=0.3559 u=0.2004 v=0.3231 duv=0.0080

CCT: Tc= 5560K Dominant Wave.: 550.5nm Purity: 6.2%

R ratio: R= 13.7 Peak Wavelength: 450.9nm Half Width: 30.1nm

Rending Index: Ra= 78.0

R1 =74.4 R2 =81.3 R3 =86.3 R4 =77.3 R5 =74.9 R6 =75.0 R7 =88.3  
 R8 =66.6 R9 =-4.0 R10=55.5 R11=73.4 R12=50.0 R13=75.6 R14=92.3  
 R15=69.7

### Photo Parameters

Flux: 240.77lm Effi.: 75.2lm/W RadiantPower: 774.6mW

### Ele. Parameters

Voltage:U=214.6V

Current:I=0.028A

Power:P= 3.2W

Power Factor:PF=0.610

### Instrument state

IntgeTime: 840.682ms VPeak: 14949

VDark: 1043

Scan Range: 380-780nm

◆ Warm white

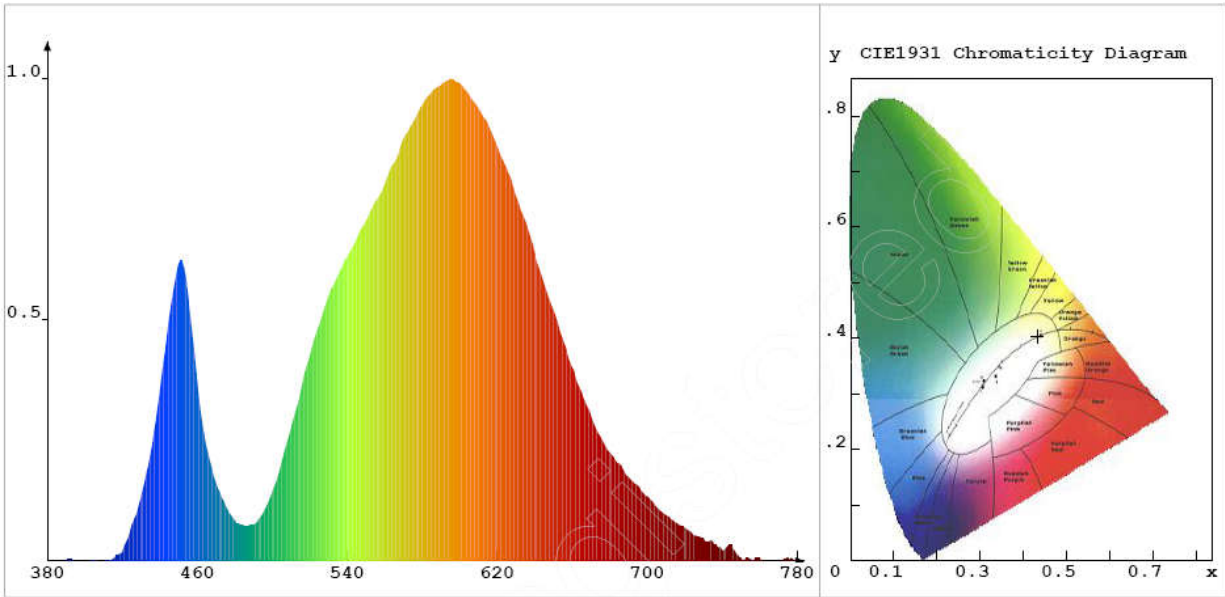
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## LED Test Report

**Product Mark**

Product Type :TLY-MB-B-3WK-0D-01  
 Temperature :25'C  
 Operator :Martin

Manufacturer :TALOYA  
 Humidity :75%  
 Test Date :2015-09-08



**Chroma Parameters**

Chro.Coor.: x=0.4324 y=0.4034 u=0.2479 v=0.3470 duv=0.0004  
 CCT: Tc= 3072K Dominant Wave.: 583.4nm Purity: 50.9%  
 R ratio: R= 20.9 Peak Wavelength: 594.2nm Half Width: 125.9nm

**Rending Index: Ra= 71.9**

R1 =69.4 R2 =80.7 R3 =89.1 R4 =68.4 R5 =66.6 R6 =70.8 R7 =80.6  
 R8 =49.8 R9 =-21.8 R10=53.2 R11=61.5 R12=40.7 R13=71.3 R14=93.3  
 R15=63.9

**Photo Parameters**

Flux: 223.20lm Effi.: 74.4lm/W RadiantPower: 739.3mW

**Ele. Parameters**

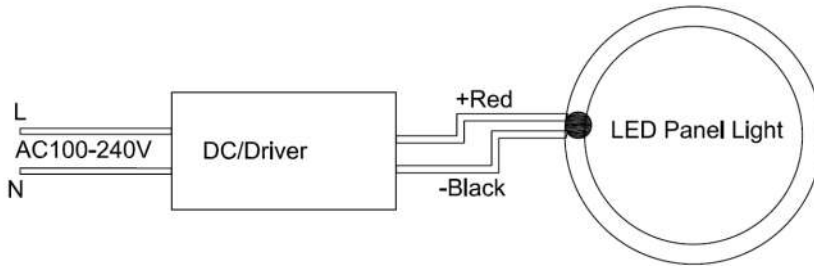
Voltage:U=218.0V Current:I=0.025A  
 Power:P= 3.0W Power Factor:PF=0.610

**Instrument state**

IntgeTime: 238.855ms VPeak: 13597 VDark: 1317  
 Scan Range: 380-780nm

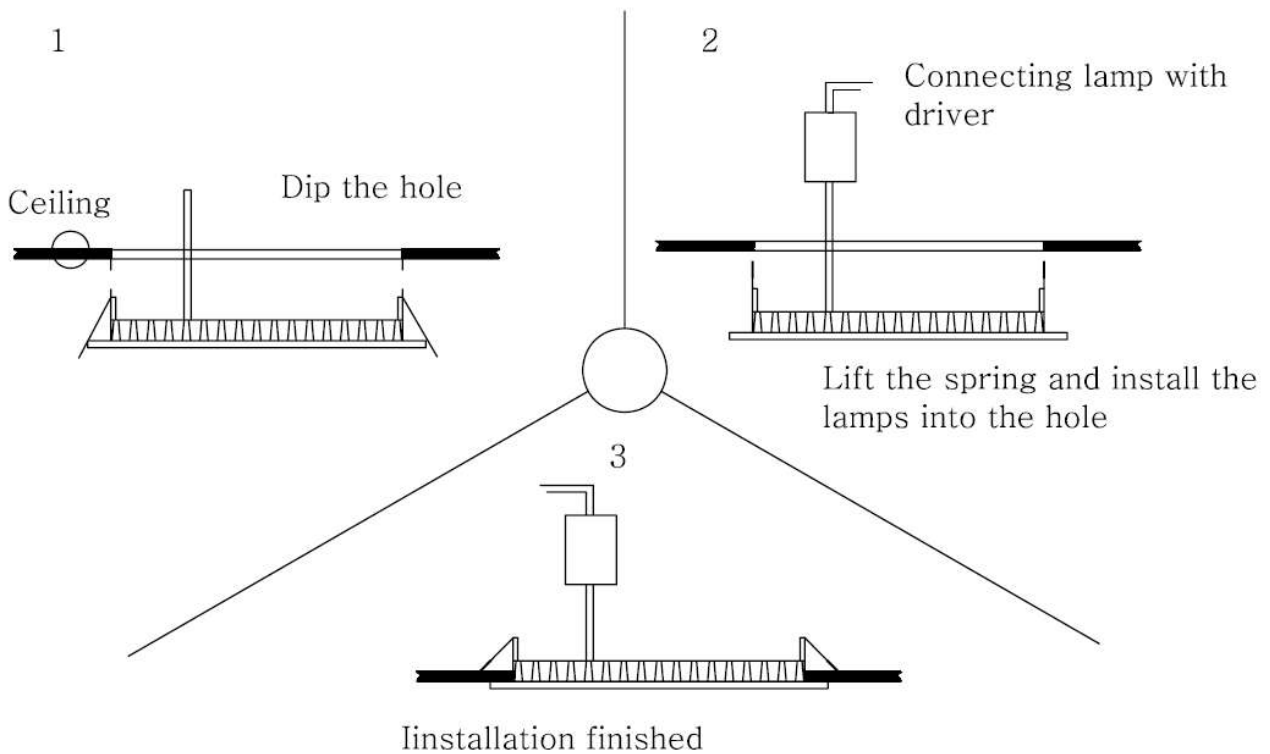
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## Connection



## Installation Instruction

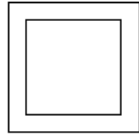
◆ **Attention:** Before installation, power must be cut off to keep people safe.



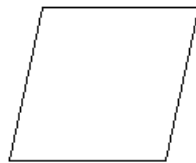
Notice: turn off the light before install or uninstall

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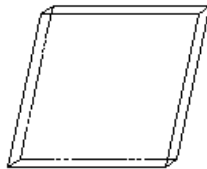
## ■ The view of package



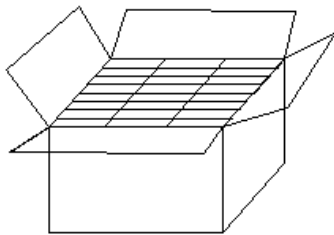
Panel light



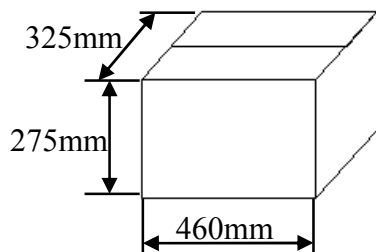
PE bag



Inner box



60pcs/Carton



Sealed carton

Size of panel(mm)	86*86*12mm
Hole size(mm)	75*75mm
Inner box size	L*W*H: 120x28x150mm
Carton size	L*W*H: 460x325x275mm
Packing quantity	60pcs
Net weight	6.12kg
Gross weight	8.46kg