



Model No : TLY-MB-B-25XK-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-25XK-0D-01

Description: AC100-240V 50Hz/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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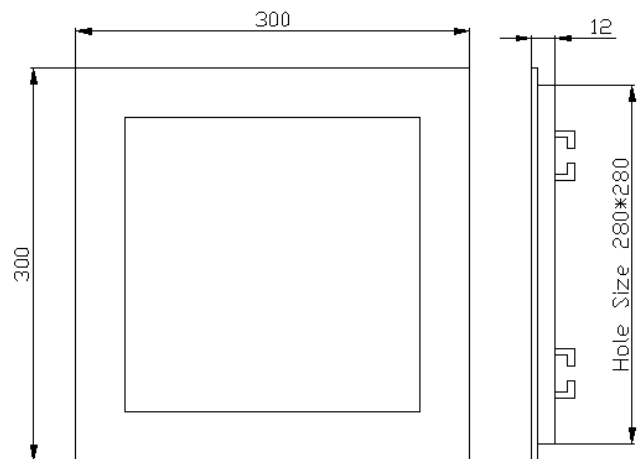
## Product Description

- ◆ 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

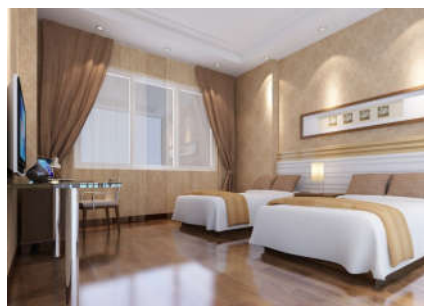


## Product Dimensions

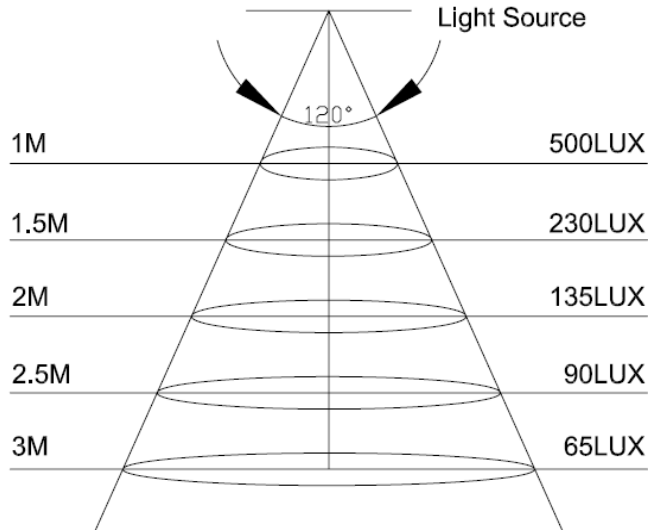


## Application area

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-25CK-0D-01	Cool white	6500K	1750	1950	SMD 2835
TLY-MB-B-25WK-0D-01	Warm white	3000K	1750	1950	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	23	24	25	W
Single loop input Voltage (AC) <sup>[1]</sup>	$V_i$	100	---	240	V
Single loop input current (AC) <sup>[1]</sup>	$I_f$	150	---	390	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

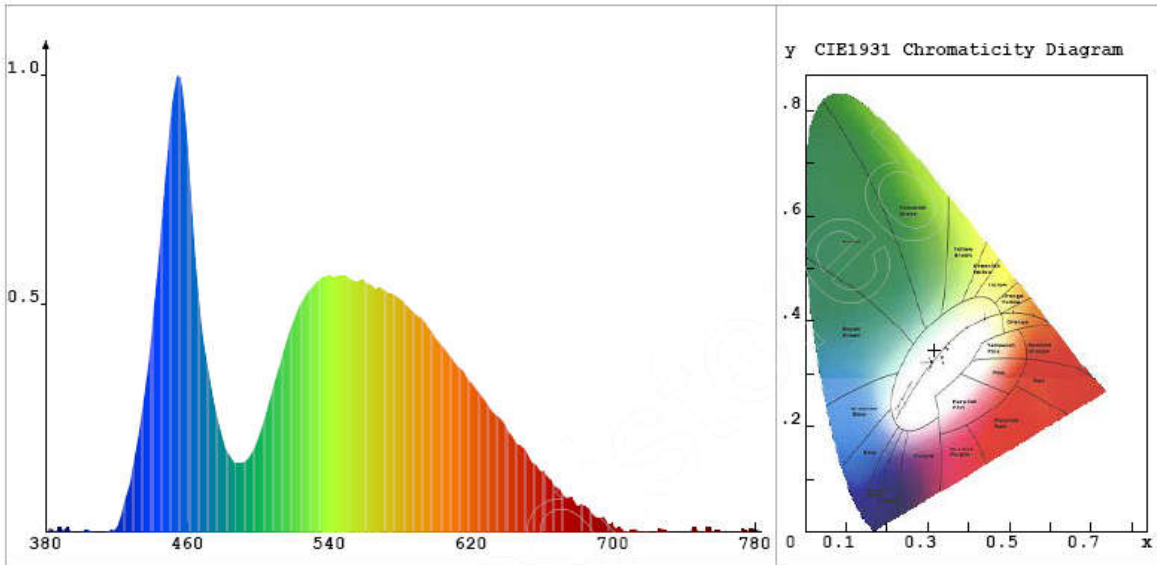
- ◆ Cool white

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## LED Test Report

### Product Mark

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



### Chroma Parameters

Chro.Coord.:  $x=0.3158$   $y=0.3441$   $u=0.1944$   $v=0.3177$   $duv=0.0092$   
 CCT:  $T_c=6258K$  Dominant Wave.: 500.8nm Purity: 5.4%  
 R ratio:  $R=12.3$  Peak Wavelength: 453.9nm Half Width: 25.3nm

### Rending Index: $R_a=73.4$

$R_1=73.8$   $R_2=84.3$   $R_3=87.5$   $R_4=65.7$   $R_5=63.8$   $R_6=64.3$   $R_7=85.7$   
 $R_8=62.8$   $R_9=26.3$   $R_{10}=55.2$   $R_{11}=61.0$   $R_{12}=32.1$   $R_{13}=77.7$   $R_{14}=93.4$   
 $R_{15}=68.2$

### Photo Parameters

Flux: 1781.00lm    Effi.: 77.1lm/W    RadiantPower: 1772.4mW

### Ele. Parameters

Voltage:  $U=214.3V$     Current:  $I=0.171A$   
 Power:  $P=23.1W$     Power Factor:  $PF=0.640$

### Instrument state

IntgeTime: 356.179ms    VPeak: 13389    VDark: 1471  
 Scan Range: 380-780nm

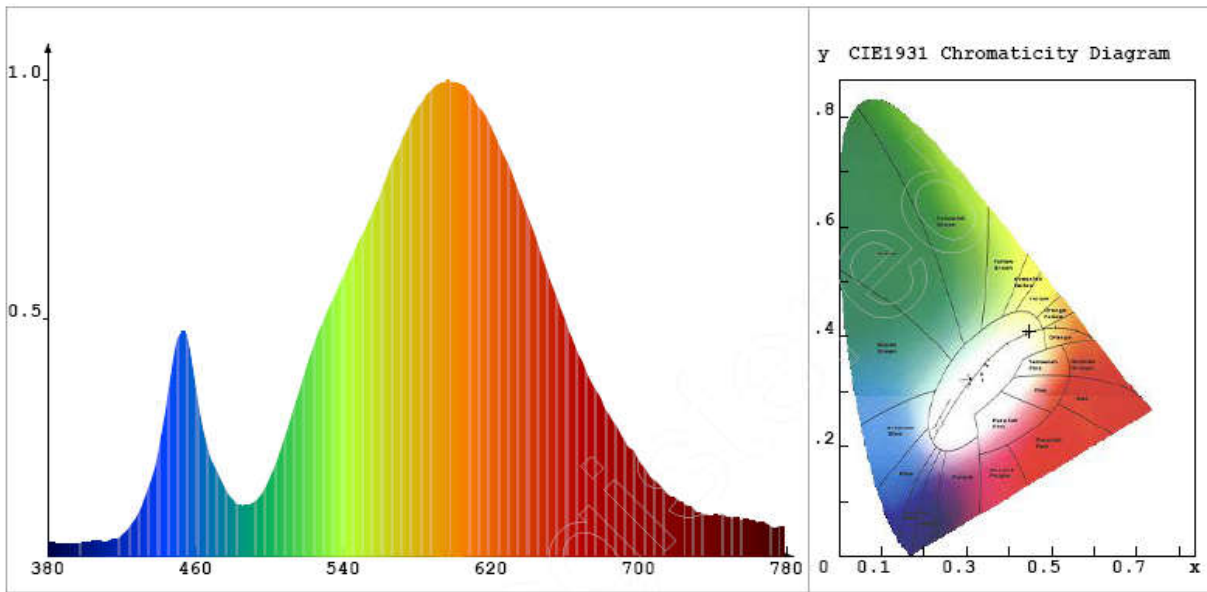
◆ Warm white

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## LED Test Report

### Product Mark

Product Type : TLY-MB-A-25WK-0D-01    Manufacturer : TALOYA  
 Temperature : 'C    Humidity : 25%  
 Operator : Martin    Test Date : 2015-09-08



### Chroma Parameters

Chro.Coord.: x=0.4465    y=0.4108    u=0.2538    v=0.3503    duv=0.0014  
 CCT: Tc= 2899K    Dominant Wave.: 583.8nm    Purity: 57.3%  
 R ratio: R= 22.3    Peak Wavelength: 597.0nm    Half Width: 130.0nm

### Rending Index: Ra= 74.6

R1 =72.5    R2 =84.1    R3 =92.9    R4 =68.9    R5 =68.0    R6 =73.9    R7 =83.1  
 R8 =53.9    R9 =-9.8    R10=60.7    R11=62.2    R12=47.1    R13=74.7    R14=95.6  
 R15=67.4

### Photo Parameters

Flux: 1815.66lm    Effi.: 78.2lm/W    RadiantPower: 5158.2mW

### Ele. Parameters

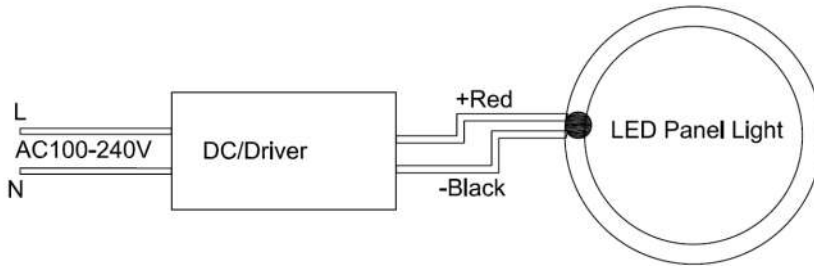
Voltage:U=211.5V    Current:I=0.168A  
 Power:P= 23.2W    Power Factor:PF=0.639

### Instrument state

IntgTime: 103.705ms    VPeak: 14117    VDark: 1297  
 Scan Range: 380-780nm

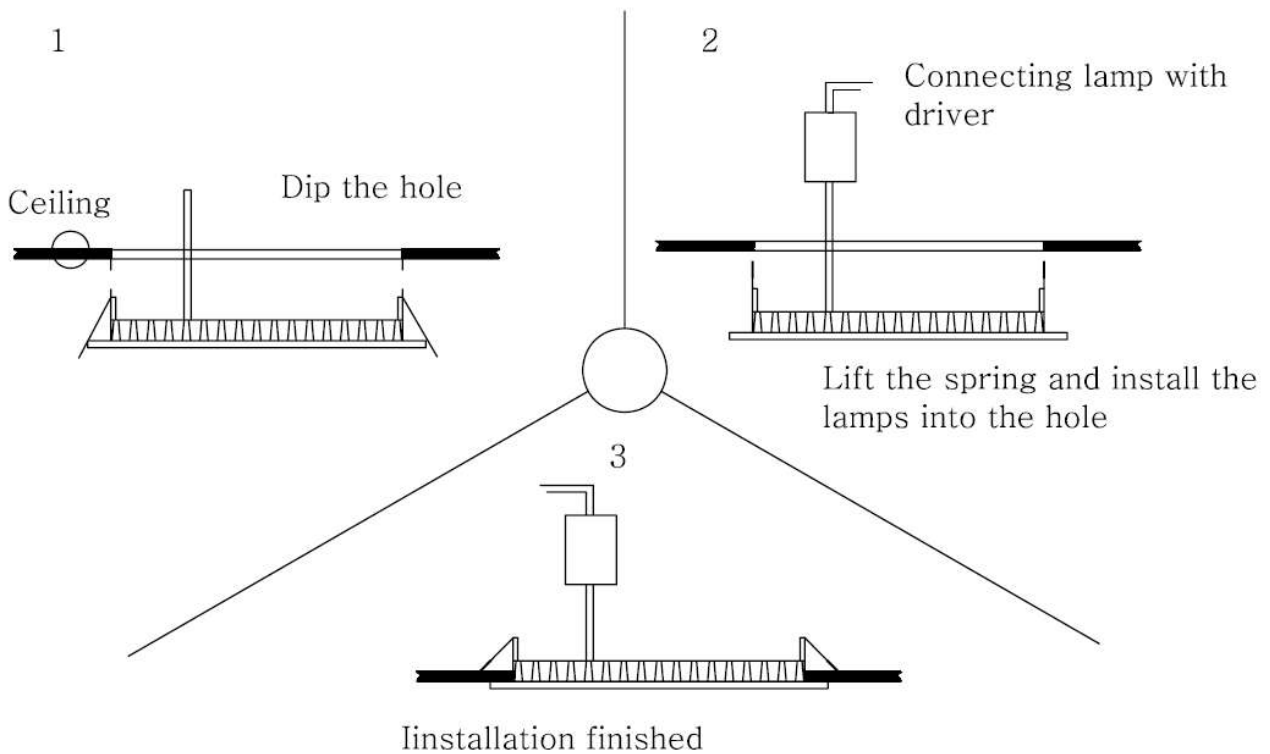
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## Connection



## Installation Instruction

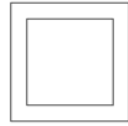
◆ **Attention:** Before installation, power must be cut off to keep people safe.



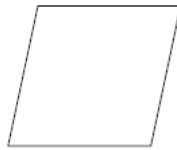
Notice: turn off the light before install or uninstall

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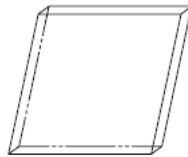
## ■ The view of package



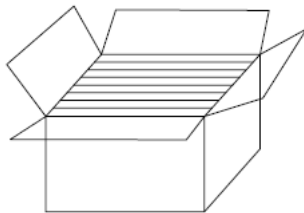
Panel light



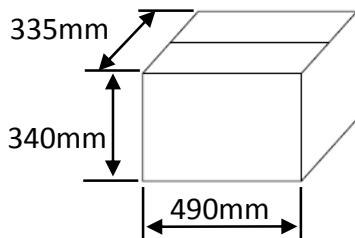
PE bag



Inner box



10pcs/Carton



Sealed carton

Size of panel(mm)	300x300x12mm
Hole size(mm)	280x280mm
Inner box size	L*W*H: 318x45x317mm
Carton size	L*W*H: 490x335x340mm
Packing quantity	10pcs
Net weight	9.19kg
Gross weight	10.75kg