



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

Spec No.	Date	Page	Ver.
/	Feb/26/2016	1/8	A2

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

SHENZHEN Add:
613, Huanancheng Development Center, Pinghu St., Longgang Dist., Shenzhen,
Guangdong, China (Mainland)
 TEL: 86-755-84669045 FAX: 86-755-84573610 Email: tw@taloya.cn www.taloya.com

Spec No.	Date	Page	Ver.
/	Feb/26/2016	2/8	A2

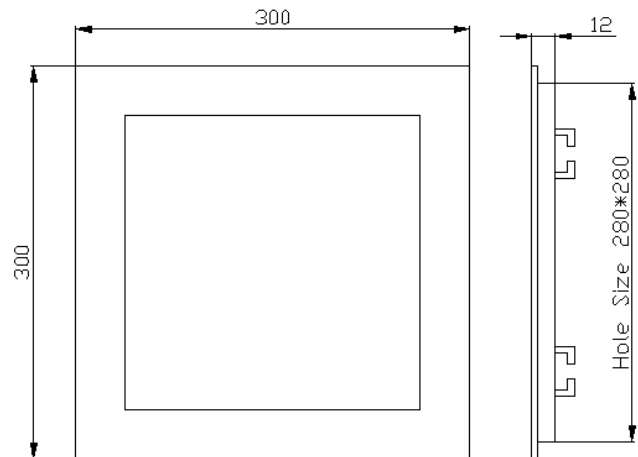
Product Description

- ◆ 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

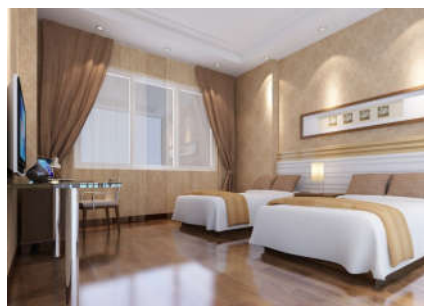


Product Dimensions

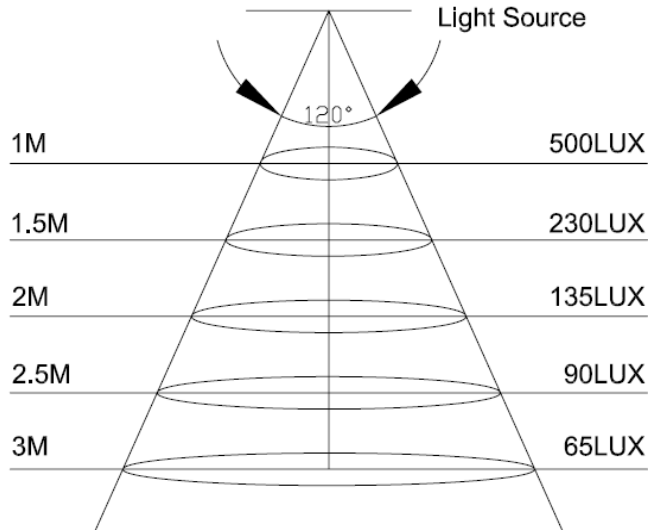


Application area

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) ^[1]	V_i	100	---	240	V
Single loop input current (AC) ^[1]	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.

Spec No.	Date	Page	Ver.
/	Feb/26/2016	4/8	A2

■ Integrating sphere test data

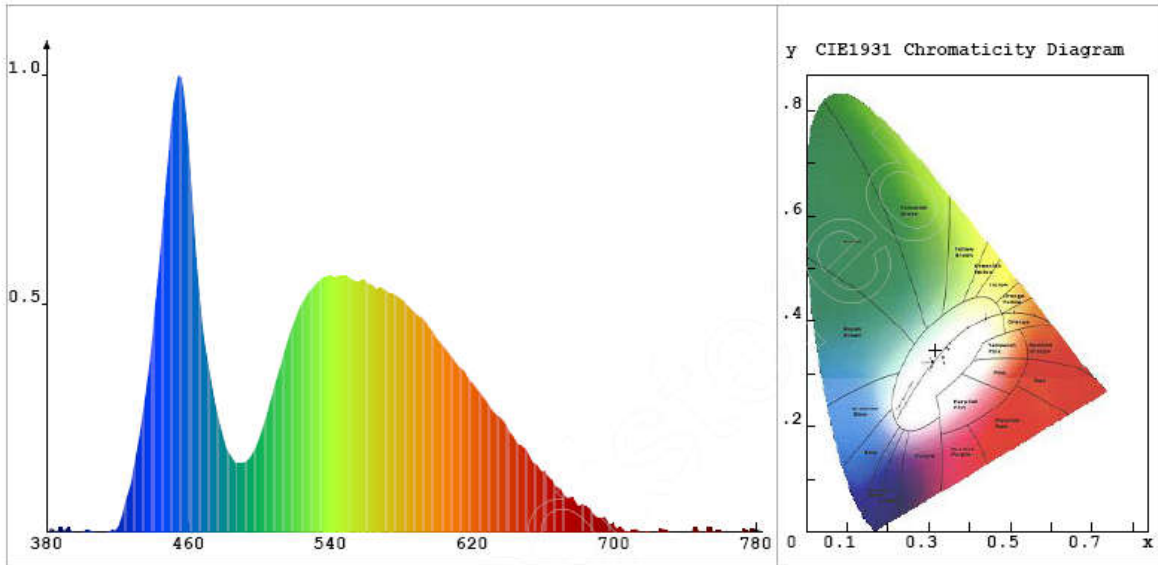
- ◆ Cool white

Spec No.	Date	Page	Ver.
/	Feb/26/2016	5/8	A2

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

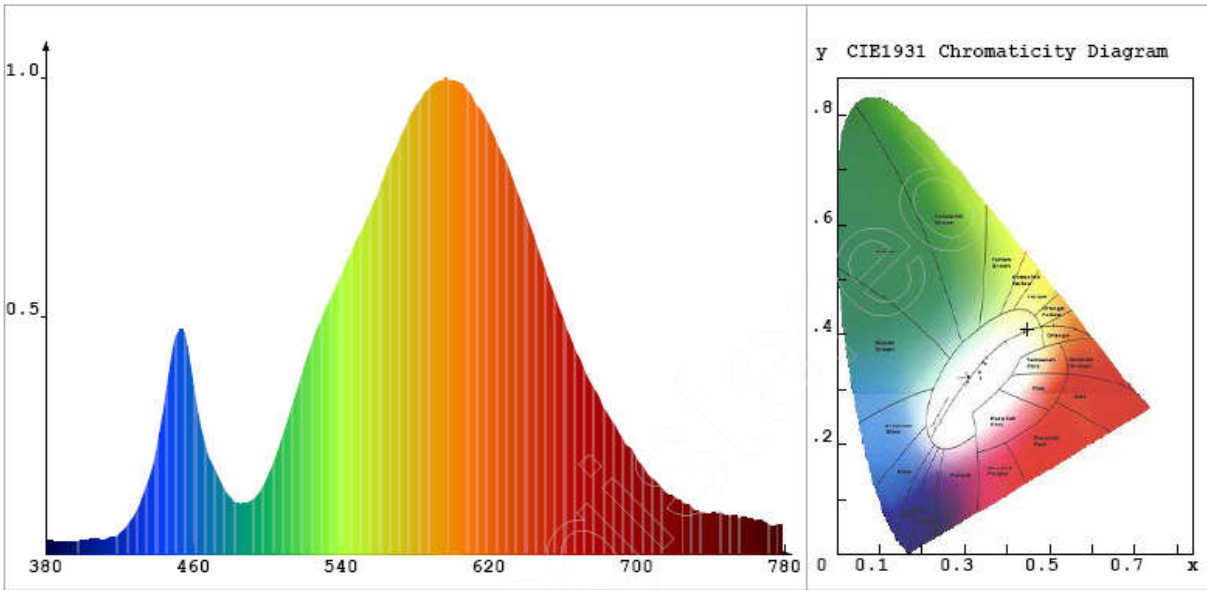
◆ Warm white

Spec No.	Date	Page	Ver.
/	Feb/26/2016	6/8	A2

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.Coor.: 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

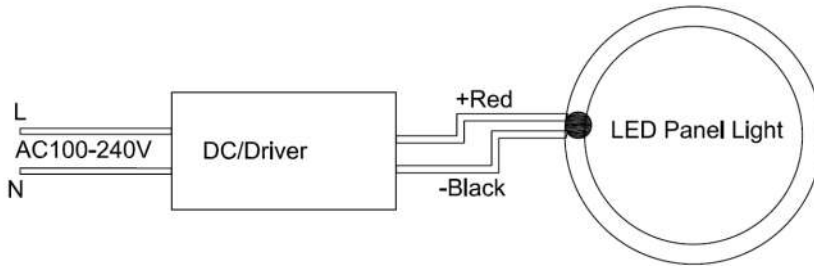
Voltage:U=211.5V Current:I=0.168A
 Power:P= 23.2W Power Factor:PF=0.639

Instrument state

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

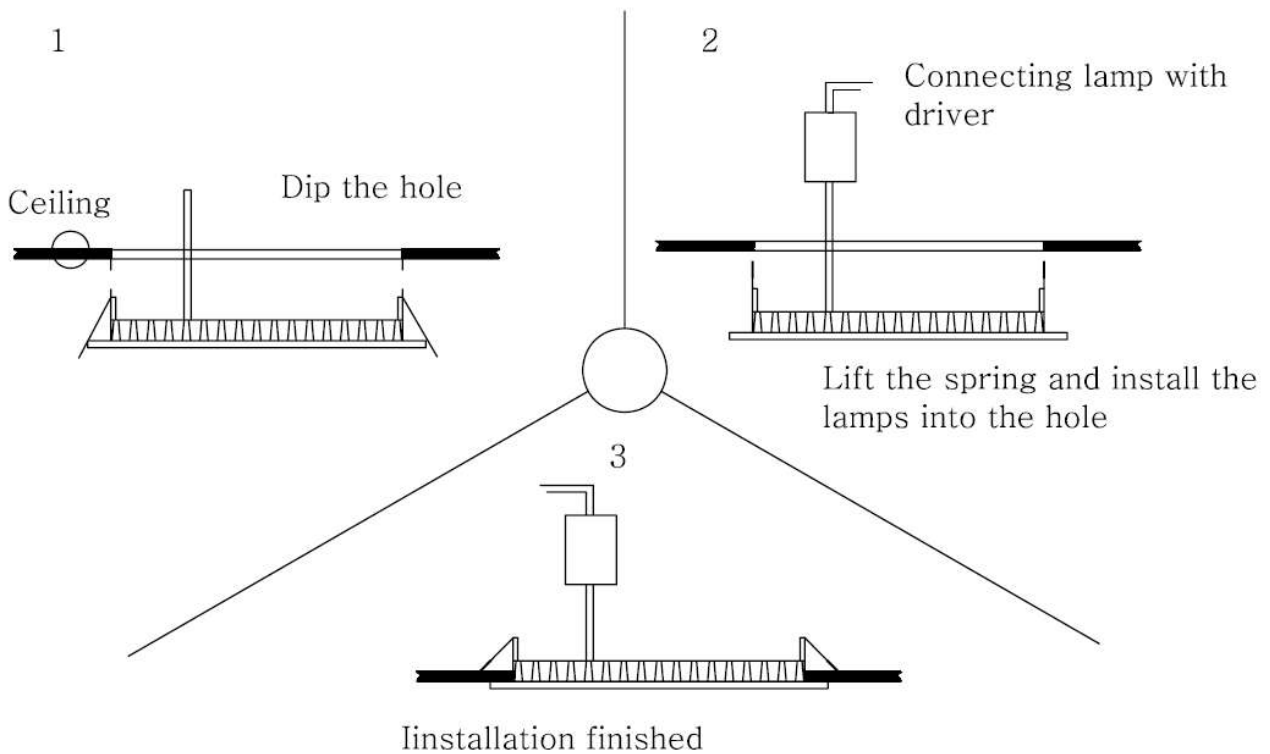
Spec No.	Date	Page	Ver.
/	Feb/26/2016	7/8	A2

Connection



Installation Instruction

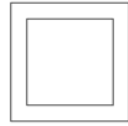
◆ **Attention:** Before installation, power must be cut off to keep people safe.



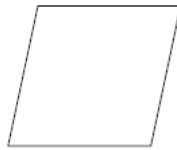
Notice: turn off the light before install or uninstall

Spec No.	Date	Page	Ver.
/	Feb/26/2016	8/8	A2

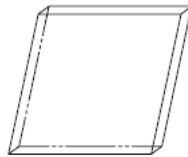
■ The view of package



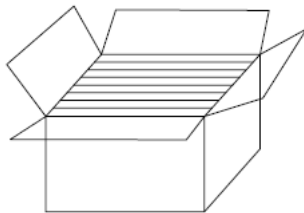
Panel light



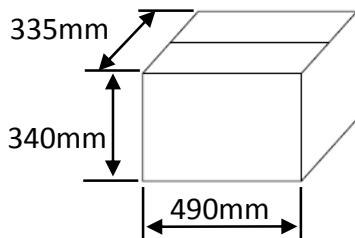
PE bag



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