



Model No : TLY-MB-A-12XK-0D-01

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Jiang Xi TALOYA Technology CO. LTD.

SPECIFICATION FOR APPROVAL

Company Name: _____

Product Name: LED Round Panel Light

Part No: TLY-MB-A-12XK-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:
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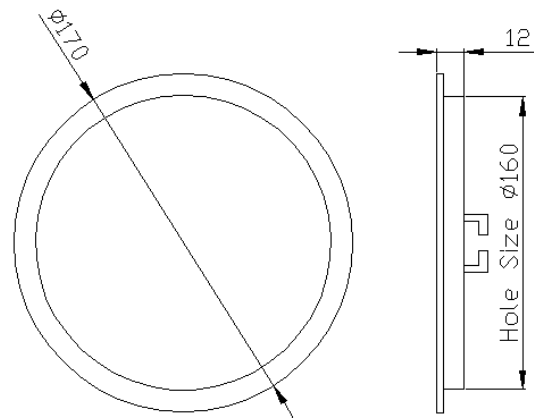
Product Description

- ◆ 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

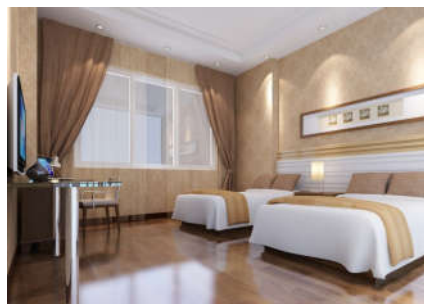
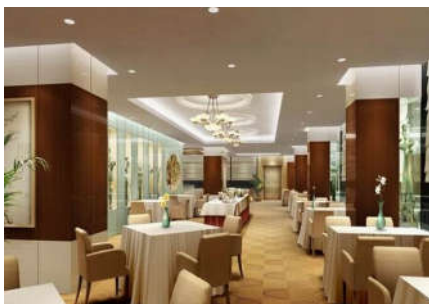


Product Dimensions

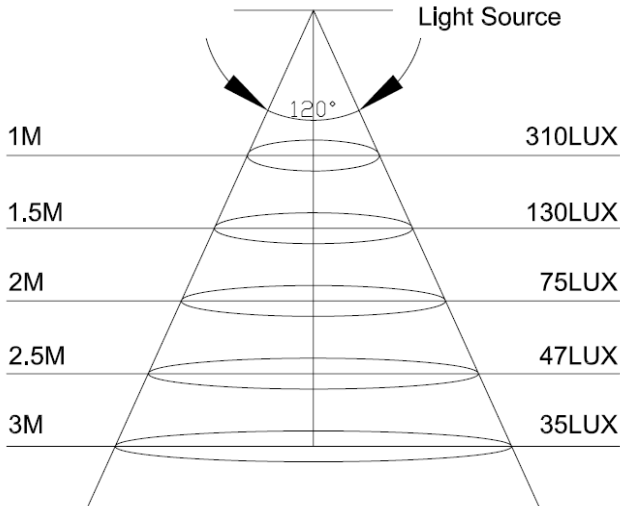


Application area

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-A-12CK-0D-01	Cool white	6500K	840	920	SMD 2835
TLY-MB-A-12WK-0D-01	Warm white	3000K	840	920	SMD 2835
TLY-MB-A-12NK-0D-01	Natural white	4500K	840	920	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	11	12	12.5	W
Single loop input Voltage (AC) ^[1]	V_i	100	---	240	V
Single loop input current (AC) ^[1]	I_f	75	---	190	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

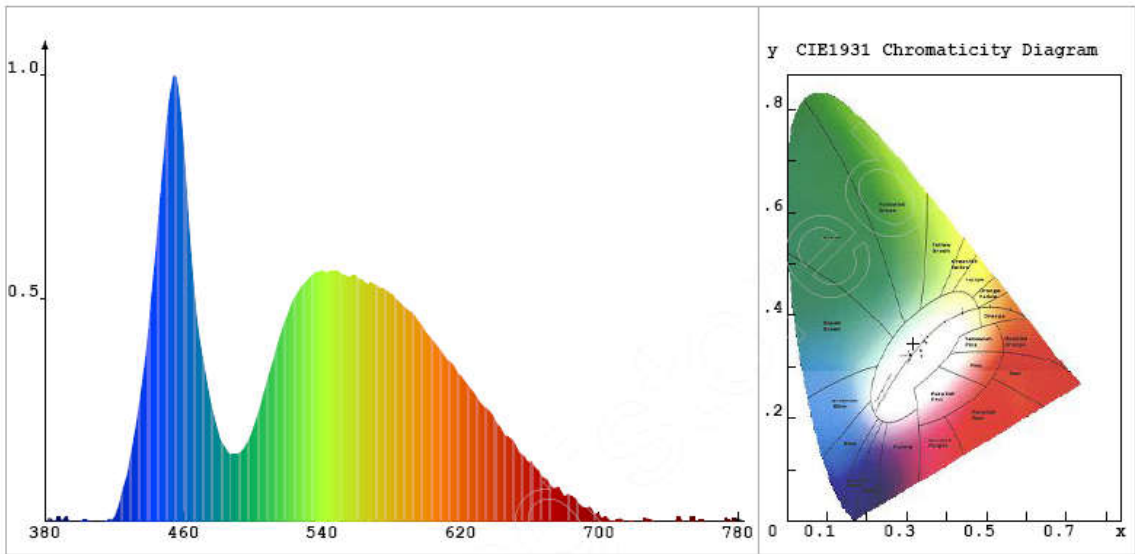
- ◆ Cool white

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LED Test Report

Product Mark

Product Type : TLY-MB-A-12CK-0D-01 Manufacturer : TALOYA
 Temperature : 25°C Humidity : 75%
 Operator : Martin Test Date : Oct-05th-2015



Chroma Parameters

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

Rending Index: Ra= 73.4

R1 =73.8 R2 =84.3 R3 =87.5 R4 =65.7 R5 =63.8 R6 =64.3 R7 =85.7
 R8 =62.8 R9 =-26.3 R10=55.2 R11=61.0 R12=32.1 R13=77.7 R14=93.4
 R15=68.2

Photo Parameters

Flux: 841.00lm Effi.: 71.8lm/W RadiantPower: 772.4mW

Ele. Parameters

Voltage:U=214.3V Current:I=0.096A
 Power:P= 11.7W Power Factor:PF=0.640

Instrument state

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

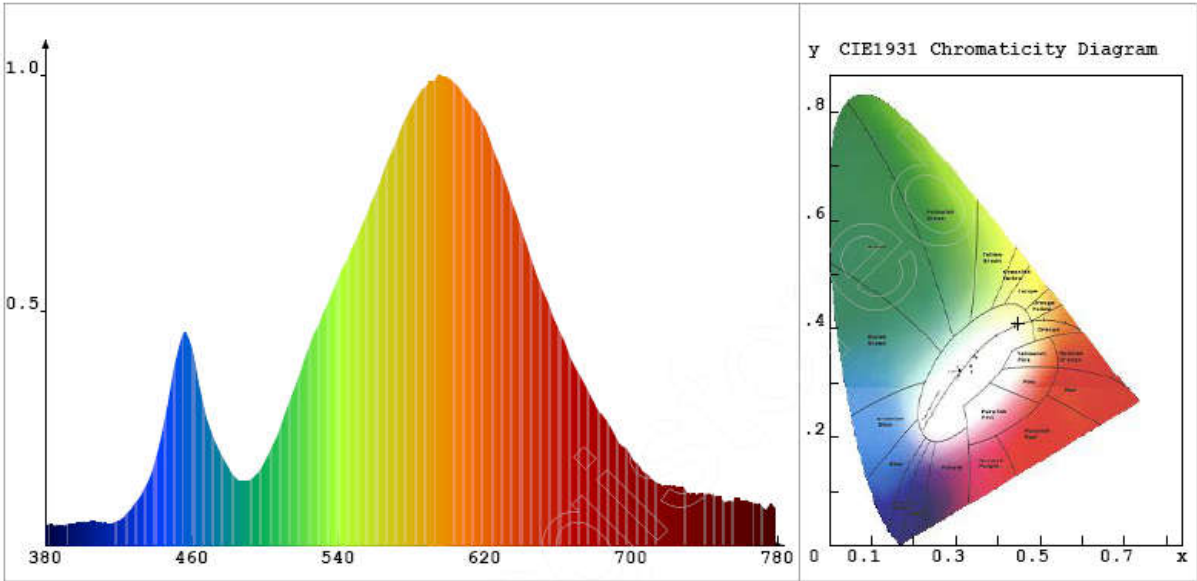
◆ Warm white

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LED Test Report

Product Mark

Product Type : TLY-MB-A-12WK-0D-01 Manufacturer : TALOYA
 Temperature : 'C Humidity : 25%
 Operator : Martin Test Date : Oct-05th-2015



Chroma Parameters

Chro.Coor.: x=0.4459 y=0.4097 u=0.2539 v=0.3499 duv=0.0010
 CCT: Tc= 2900K Dominant Wave.: 583.9nm Purity: 56.8%
 R ratio: R= 22.2 Peak Wavelength: 595.3nm Half Width: 123.6nm

Rending Index: Ra= 74.2

R1 =70.2 R2 =83.5 R3 =94.2 R4 =69.6 R5 =70.3 R6 =78.1 R7 =79.5
 R8 =48.9 R9 =-15.4 R10=61.6 R11=62.4 R12=52.2 R13=72.5 R14=96.4
 R15=64.3

Photo Parameters

Flux: 804.75lm Effi.: 72.5lm/W RadiantPower: 2075.8mW

Ele. Parameters

Voltage:U=214.1V Current:I=0.081A
 Power:P= 11.1W Power Factor:PF=0.649

Instrument state

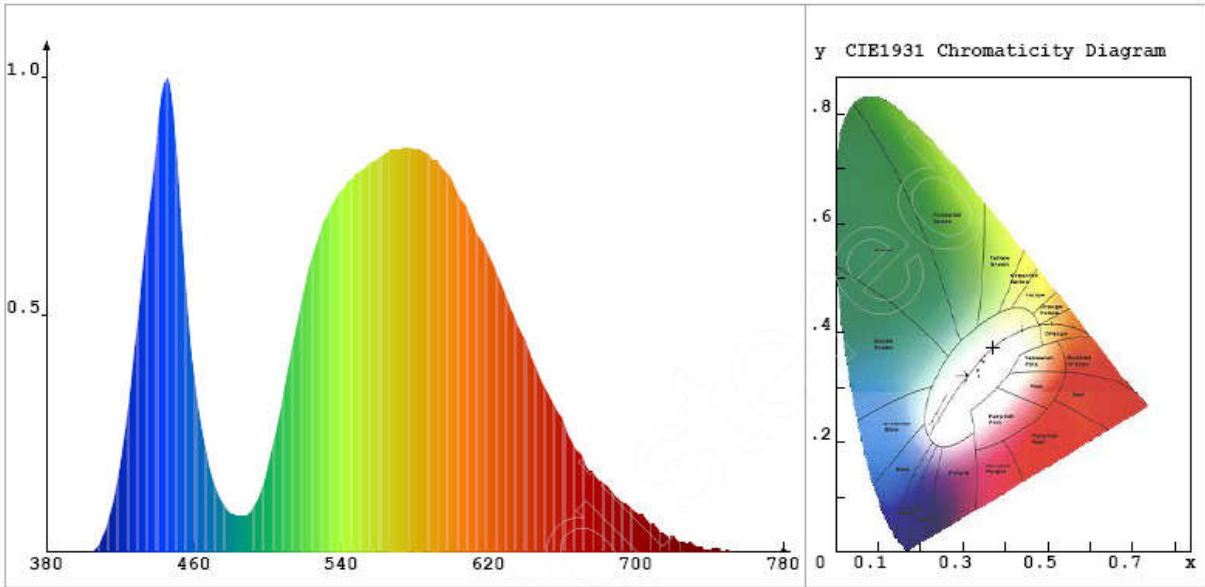
IntgeTime: 168.136ms VPeak: 13389 VDark: 1131
 Scan Range: 380-780nm

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LED Test Report

Product Mark

Product Type :TLY-MB-A-12NK-0D-01 Manufacturer :TALOYA
 Temperature :25'C Humidity :75%
 Operator :Martin Test Date :Oct-5th-2015



Chroma Parameters

Chro.Coor.: x=0.3695 y=0.3718 u=0.2199 v=0.3318 duv=0.0010
 CCT: Tc= 4277K Dominant Wave.: 578.3nm Purity: 22.5%
 R ratio: R= 15.7 Peak Wavelength: 445.6nm Half Width: 26.7nm

Rending Index: Ra= 68.6

R1 =66.7 R2 =73.2 R3 =77.0 R4 =69.6 R5 =66.3 R6 =62.8 R7 =79.0
 R8 =54.6 R9 =-30.2 R10=35.6 R11=64.7 R12=35.6 R13=66.7 R14=86.5
 R15=62.0

Photo Parameters

Flux: 847.24lm Effi.: 71.8lm/W RadiantPower: 2082.6mW

Ele. Parameters

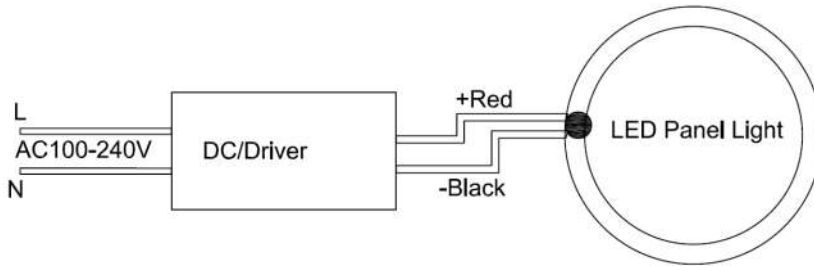
Voltage:U=213.0V Current:I=0.086A
 Power:P= 11.8W Power Factor:PF=0.65

Instrument state

IntgeTime: 40.892ms VPeak: 13589 VDark: 1255
 Scan Range: 380-780nm

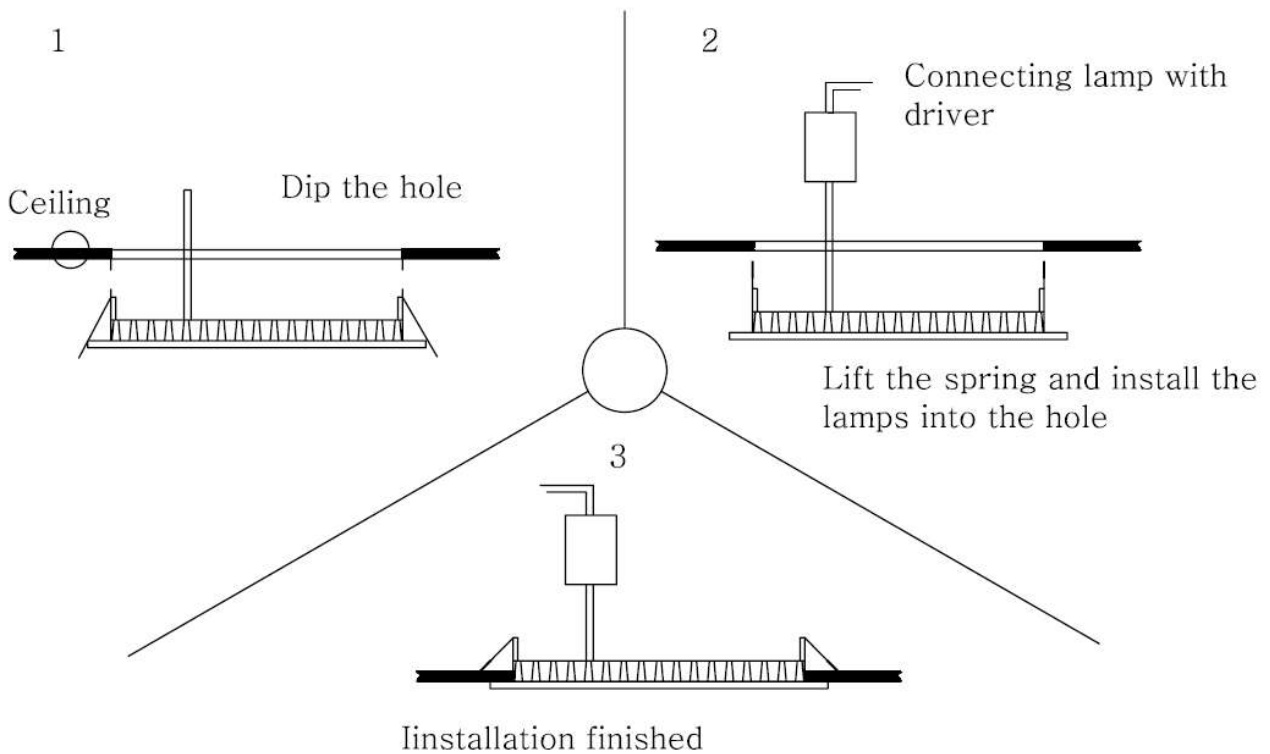
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■ Connection



■ Installation Instruction

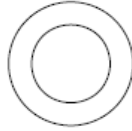
- ◆ **Attention:** Before installation, power must be cut off to keep people safe.



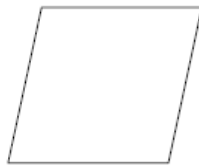
Notice: turn off the light before install or uninstall

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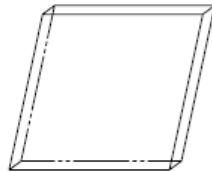
■ The view of package



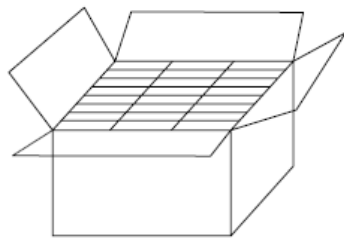
Panel light



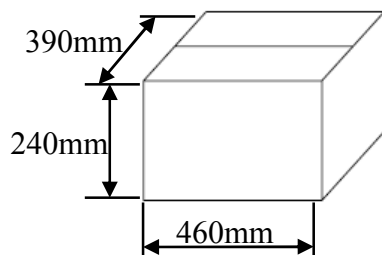
PE bag



Inner box



30pcs/Carton



Sealed carton

Size of panel(mm)	∅ 170*12mm
Hole size(mm)	∅ 160mm
Inner box size	L*W*H: 183x214x28mm
Carton size	L*W*H: 460x390x240mm
Packing quantity	30pcs
Net weight	6.90kg
Gross weight	---kg