



**YJM LIGHT CO.,LTD**

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**YJM LIGHT CO.,LTD.**

## Product Specification Sheet



Commodity: Power LED Bulb

Item No: YJM-E27-1W7-WH/ YJM-E27-1W7-BL

Version No.: 0807

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ADD: Block5,North,Shangxue Ind Park,Bantian, Longgang,Shenzhen,G.D. 518129,China



## High power LED bulb

Idea replacement for traditional energy saving bulbs

Ultra-light weight and ultra-low surface temperature

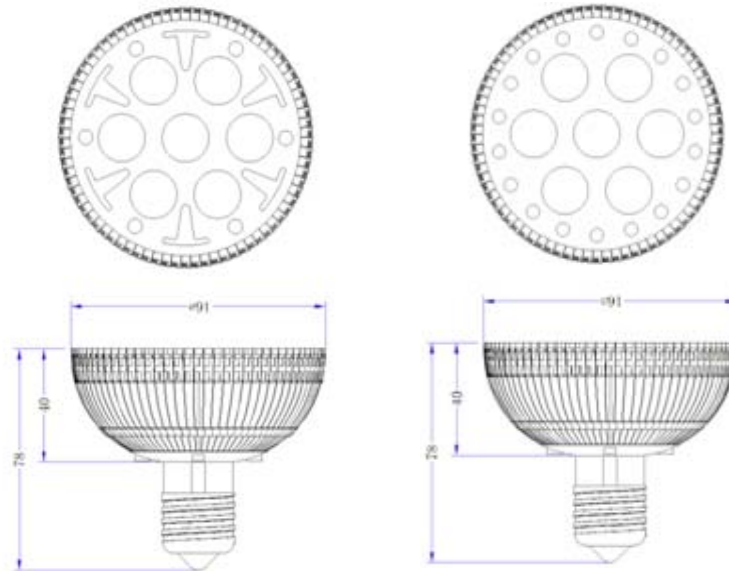
### Feature:

- 1) Base type: E27 base
- 2) Energy-saving and environment-friendly
- 3) Color available: cool white, warm white,
- 4) Superior thermal management design and ultra-light aluminium housing housing
- 5) Light source:High power LED
- 6) Luminous flux: 280lumens(color temperature:6000-6500K)
- 7) Beam angle: 30 / 60 degrees (glass lens, optical grade)
- 8) Surface temperature: less than 47 degrees Celsius
- 9) Temperature: -20 ~ 50 degrees Celsius
- 10) Brightness degradation: 3% - 5%1kh
- 11) Lifespan: 50,000 hours
- 12) No UV or IR radiation

### Application:

Replacement bulbs for general lighting, especially for museums, art galleries, cosmetic counters where UV or IR radiation is undesirable.

## Dimension



## Basic specification

Part No.	E27-1W7-WH	E27-1W7-BL
Parameter		
Dimension(mm)	Φ91×78(H)	
Main material	Aluminium housing	
Power consumption(W)	8±10%	8±10%
Input current(mA)	70±5%	70±5%
Input voltage(V)	AC230(110-240V)	AC230(110-240V)
LED quantity(Pc)	7	7
LED type	High power SMD LED	High power SMD LED
Color	Warm white/white	
Luminous flux(Lm)	210±10% /280±10%	
Color temperature(K)	2800-3300/5500-6500	
Rendering index	80±5	80±5
Socket type	E27	E27
Weight(kg)	0.146±0.05	0.141±0.05
Life expectancy(h)	50,000	50,000

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## Installation Instruction:

AC110~240V working directly

## Product Warranty:

The validity of the product warranty is subject to the correct storage, installation, operation and maintenance of this product. Failing to comply with the storage, installation operation and maintenance routines will make the warranty invalid.

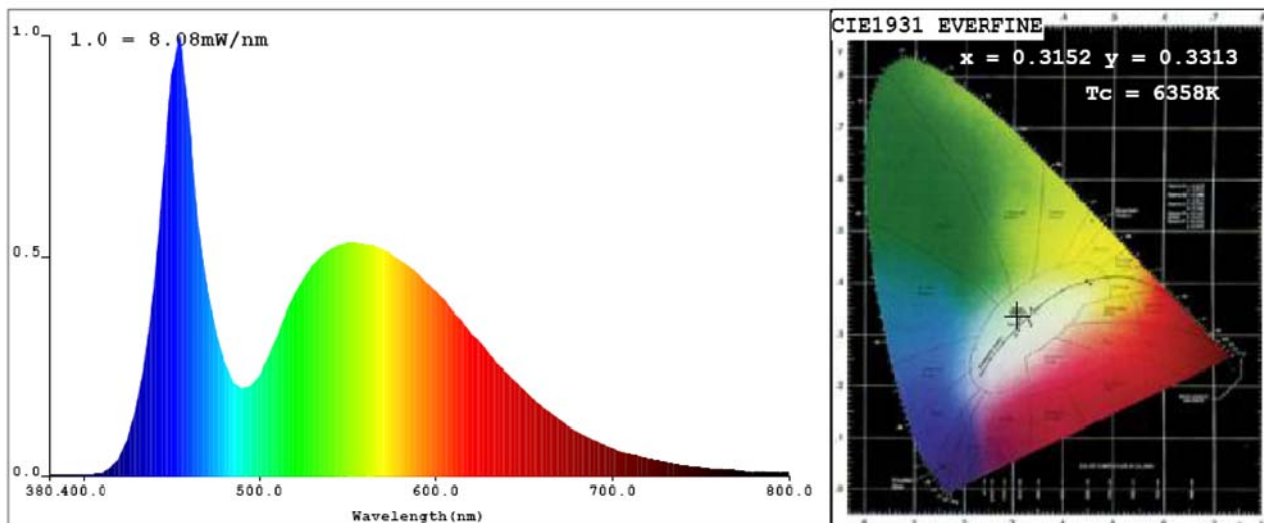
## Notice:

- 1) No pressing or striking
- 2) Transport and handle carefully
- 3) Pay attention to the voltage before using
- 4) Indoor use only
- 5) No twisting when power is on

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## Light Source Test Report



### CIE Color Parameters:

Chromaticity Coordinate:  $x=0.3152$   $y=0.3313$   $u=0.1987$   $v=0.3133$  ( $duv=3.14e-003$ )

CCT:  $T_c = 6358K$  Prcp WaveL:  $\lambda_d=490.3nm$  Purity=6.3%

Peak WaveL:  $\lambda_p=455nm$  Half Width:  $\Delta\lambda_p=25.9nm$  Ratio: R=12.9% G=81.9% B=5.2%

Average Wave: 544nm

Rendering Index:  $R_a=78.3$

R1 =76 R2 =84 R3 =86 R4 =76 R5 =76 R6 =76 R7 =87 R8 =67

R9 =-4 R10=58 R11=71 R12=47 R13=78 R14=92 R15=73

### Photo Parameters:

Flux:  $\Phi=286.19(lm)$  Luminous Efficacy: 32.21(lm/W) Luminous Power:  $P=830.4(mW)$

### Electrical Parameters:

U=230.6V I=0.0740A P=8.840W PF=0.517

### Instrument Status:

Scan Range: 380.0nm-800.0nm

Interval: 5.0nm

$I_p = 13236(G=4,D=51)$

REF = 12831

TMP(PMT) = 27.3degrees centigrade Test Mode: Fast Test

Product Type:

Instrument: PMS-50 System

Temperature: 33.2deg

Test Operator: JACK-DO

Manufacturer: YJM

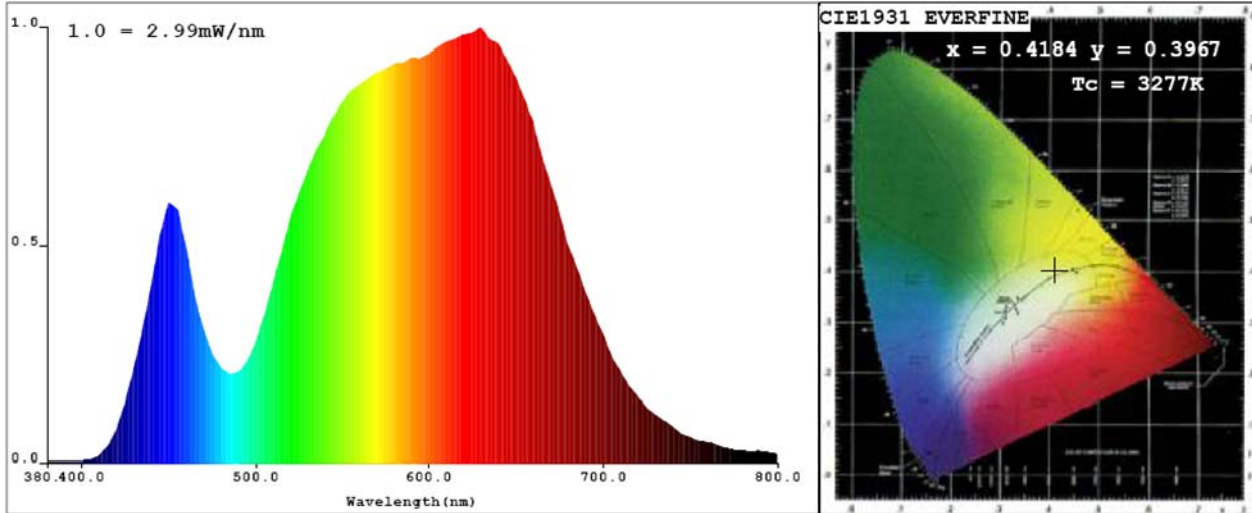
Test Department: YJM

Humidity: 65.0%

Test Date: 2008-10-08 11:03

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**Light Source Test Report****CIE Color Parameters:**Chromaticity Coordinate:  $x=0.4184$   $y=0.3967$ / $u=0.2417$   $v=0.3438$  ( $duv=-8.48e-005$ )CCT:  $T_c=3277K$  Prcp WaveL:  $\lambda_d=581.7nm$  Purity=44.6%Peak WaveL:  $\lambda_p=630nm$  Half Width:  $\Delta\lambda_p=164.1nm$  Ratio: R=21.6% G=76.0% B=2.4%

Average Wave: 592nm

Rendering Index:  $R_a=85.3$ 

R1 =85 R2 =88 R3 =88 R4 =85 R5 =83 R6 =81 R7 =91 R8 =80

R9 =50 R10=69 R11=81 R12=61 R13=85 R14=92 R15=84

**Photo Parameters:**Flux:  $\Phi=218.85(lm)$  Luminous Efficacy: 26.37(lm/W) Luminous Power:  $P=560.8(mW)$ **Electrical Parameters:** $U=231.1V$   $I=0.0680A$   $P=8.290W$   $PF=0.522$ **Instrument Status:**

Scan Range: 380.0nm-800.0nm

Interval: 5.0nm

 $I_p = 2595(G=4, D=51)$ 

REF = 8441

TMP (PMT) = 27.4degrees centigrade Test Mode: Fast Test

**Product Type:**

Instrument: PMS-50 System

Temperature: 34.4deg

Test Operator: JACK-DO

**Manufacturer: YJM**

Test Department: YJM

Humidity: 65.0%

Test Date: 2008-10-08 11:08

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