



**YJM LIGHT CO.,LTD.**

**Product Specification Sheet**



**Commodity:** LED Globe Bulb

**Item No:** YJM-JDR-C1W6-N-120°

**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****Feature:**

- 1) Base type: E27 base
- 2) Energy-saving and environment-friendly
- 3) Full range of colors: cool white, warm white, red, blue, green and yellow
- 4) Superior thermal management with internal copper heat conductor and external aluminum housing
- 5) Light source: USA Cree high power LED (XLAMP XR-E Rank P4) or Seoul high power LED
- 6) Luminous flux: 450 lumens(color temperature:6000 K)
- 7) Beam angle: 50 / 70 / 100 degrees (glass lens, optical grade)
- 8) Body temperature: less than 53 degrees Celsius
- 9) LED working temperature: less than 62 degrees Celsius
- 10) Temperature: -40 ~ 70 degrees Celsius
- 11) Brightness degradation: 3% - 5%1kh
- 12) Lifespan: 50,000 hours
- 13) No UV or IR radiation

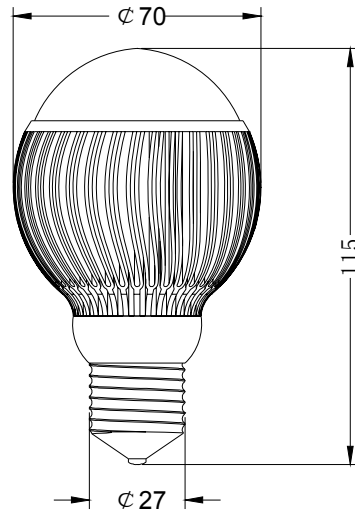
**Application:**

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

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## Dimension



## Basic specification

Part No.	JDR-C1W6-N-120°	
Parameter		
Dimension(mm)	$\phi 70 \times 115$	$\phi 70 \times 115$
Main material	Al+PS+PMMA+Fe	
Power consumption(W)	$8 \pm 10\%$	$8 \pm 10\%$
Input current(mA)	$61 \pm 5\%$	$61 \pm 5\%$
Input voltage(V)	230	230
LED quantity(Pc)	6	6
LED type	High power SMD	Cree SMD
Color	warm white/White	warm white/White
Luminous flux(Lm)	$250/300 \pm 10\%$	$380/450 \pm 10\%$
Color temperature(K)	2800-3300/5500-6500	2800-3300/5500-6500
Rendering index	$80 \pm 5$	$80 \pm 5$
Socket type	E27	E27
Weight(kg)	$0.161 \pm 0.02$	$0.161 \pm 0.02$
Life expectancy(h)	50,000	50,000

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## Installation Instruction:

- 1) AC85~265V working directly
- 2) Operating temperatureL-35-+45degrees

## 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.

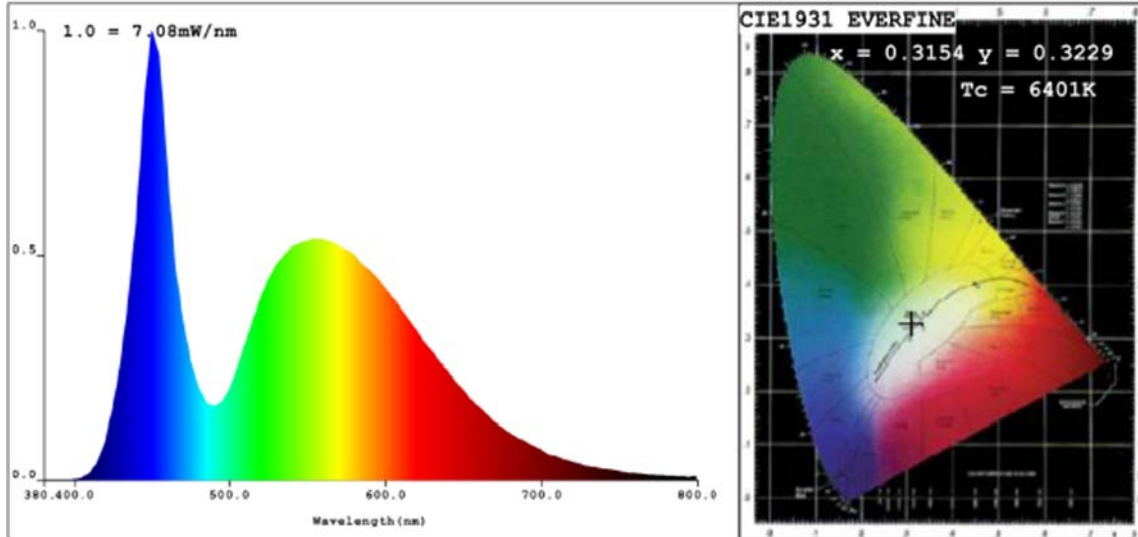
## Notice:

- 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:  $x=0.3154$   $y=0.3229$   $u=0.2021$   $v=0.3103$  ( $duv=-1.36e$ )

CCT:  $T_c=6401K$  Prcp WaveL:  $\lambda_d=483.8nm$  Purity=6.9%

Peak WaveL:  $\lambda_p=450nm$  Half Width:  $\Delta\lambda_p=26.7nm$  Ratio: R=13.2% G=82.2% B=4.6%

Average Wave: 544nm

Rendering Index:  $R_a=80.3$

R1 =76 R2 =81 R3 =80 R4 =78 R5 =77 R6 =72 R7 =85 R8 = 9

R9 =0 R10=51 R 1=74 R12=48 R13=77 R14=89 R15=75

### Photo Parameters:

Flux:  $\Phi=457.01(lm)$  Luminous Efficacy: 57.77 (lm/W) Luminous Power:  $P=742.0(mW)$

### Electrical Parameters:

U=234.5V I=0.0610A P=7.930W PF=0.57

### Instrument Status:

Scan Range: 380.0nm-800.0nm

Interval: 5.0nm

Ip = 32825 (G=5, D=52)

REF = 12217

TMP (PMT) = 23.5degrees centigrade Test Mode: Fast Test

### Product Type:

Instrument: PMS-50 System

Temperature: 22.7deg

Test Operator: JACK-DO

### Manufacturer: YJM

Test Department: YJM

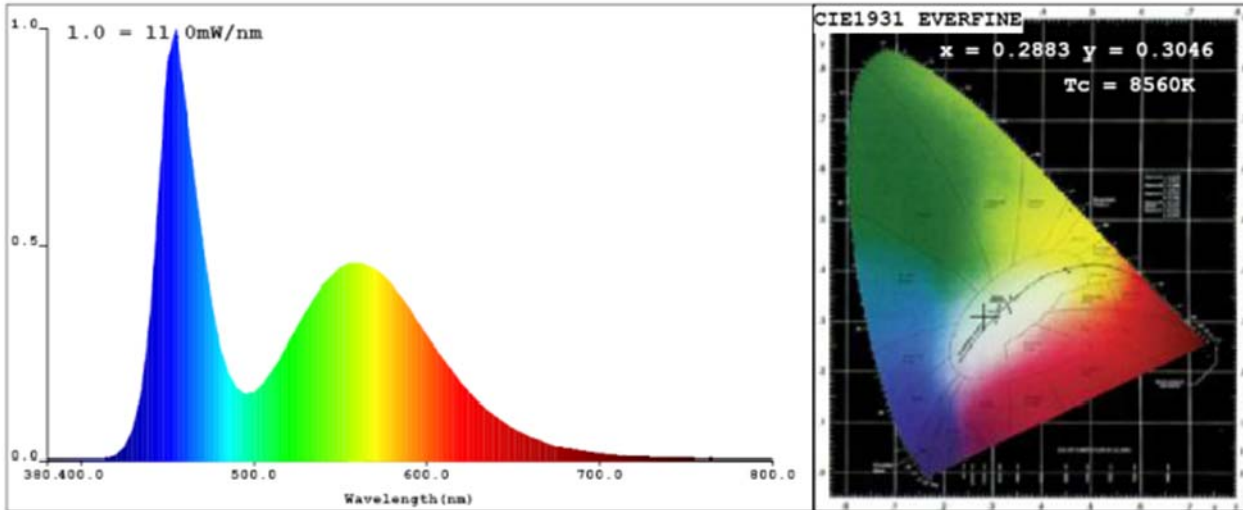
Humidity: 65.0%

Test Date: 2008-07-27 11:24

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## Light Source Test Report



### CIE Color Parameters:

Chromaticity Coordinate:  $x=0.2883$   $y=0.3046$   $u=0.1897$   $v=0.3006$  ( $duv=3.86e-003$ )

CCT:  $T_c=6560K$  Prcp WaveL:  $\lambda_d=483.0nm$  Purity=17.6%

Peak WaveL:  $\lambda_p=455nm$  Half Width:  $\Delta\lambda_p=27.8nm$  Ratio: R=9.6% G=83.9% B=6.5%

Average Wave: 529nm

Rendering Index:  $R_a=78.9$

R1 =64 R2 =80 R3 =83 R4 =60 R5 =64 R6 =68 R7 =80 R8 =51

R9 =-64 R10=48 R11=52 R12=35 R13=69 R14=91 R15=60

### Photo Parameters:

Flux:  $\Phi=302.30(lm)$  Luminous Efficacy: 39.50(lm/W) Luminous Power:  $P=864.1(mW)$

### Electrical Parameters:

$U=231.3V$   $I=0.0580A$   $P=7.670W$   $PF=0.567$

### Instrument Status:

Scan Range: 380.0nm-800.0nm

Interval: 5.0nm

$I_p = 42617(G-5, D-54)$

REF = 14636

TMP(PMT) = 30.5degrees centigrade Test Mode: Fast Test

Product Type: JDR-C1W6-N-120D

Instrument: PMS-50 System

Temperature: 33.7deg

Test Operator: JACK-DO

Manufacturer: YJM

Test Department: YJM

Humidity: 65.0%

Test Date: 2008-07-25 16:03

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