



## SPECIFICATION FOR APPROVAL



**Customer :** \_\_\_\_\_  
**Products Name :** LED Spotlight  
**Our Model :** LUM-MR16B16-7WDIM  
**Customer model :** \_\_\_\_\_

**Approved by :**

ECR history

| version | issue date | Description of amendment/additional |
|---------|------------|-------------------------------------|
| A       |            |                                     |
|         |            |                                     |
|         |            |                                     |

## 1. Specification

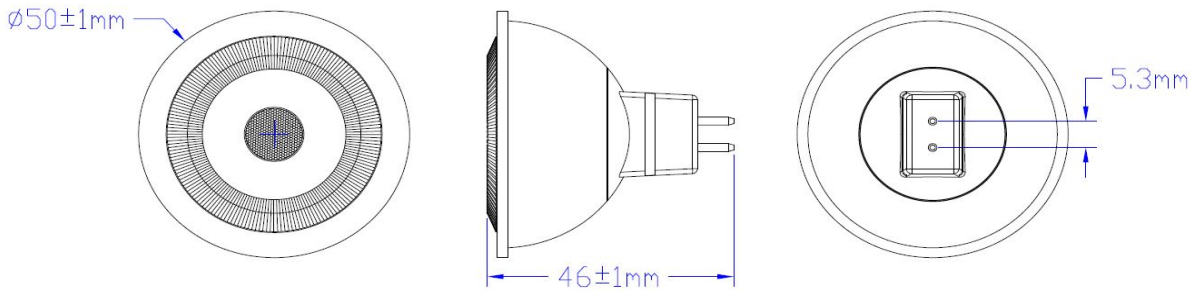
### 1-1. Environment

|                    | Spec.  |         |     |     |
|--------------------|--------|---------|-----|-----|
|                    | unit   | Typical | min | max |
| Storage temp.      | (degC) | 25      | -20 | 60  |
| Operating temp.    | (degC) | 25      | -20 | 40  |
| Storage humidity   | (%RH)  | 65%     | 10% | 90% |
| Operating humidity | (%RH)  | 65%     | 10% | 90% |

### 1-2. Geometry Property

#### Dimension & Drawing of products

|          | Spec. |         |     |     |
|----------|-------|---------|-----|-----|
|          | unit  | Typical | min | max |
| Diameter | (mm)  | 50      | 49  | 51  |
| Cut-Out  | (mm)  |         |     |     |
| MOL      | (mm)  | 46      | 45  | 47  |
| Weight   | (g)   | 50      | 45  | 55  |
| Base     |       | GU5.3   |     |     |



### 1-3. Electrical Performance

|                        | spec  |         |     |     |
|------------------------|-------|---------|-----|-----|
|                        | unit  | Typical | min | max |
| Consumption Power      | (w)   | 7       | 6.3 | 7.7 |
| Input Voltage          | (v)   | 12      | 11  | 13  |
| Input Current          | (mA)  | 650     | 620 | 680 |
| Power Factor           |       | 0.9     |     |     |
| Frequency              | (Hz)  | 50/60   |     |     |
| Starting time * for EU | (sec) | 0.5     |     |     |

### 1-4. LED Chip/Package information LED

|                         |         |
|-------------------------|---------|
| LED Vender              | LUMINUS |
| model no.               | COB     |
| Number of LED per board | 1       |

1-5. Photometric Performance

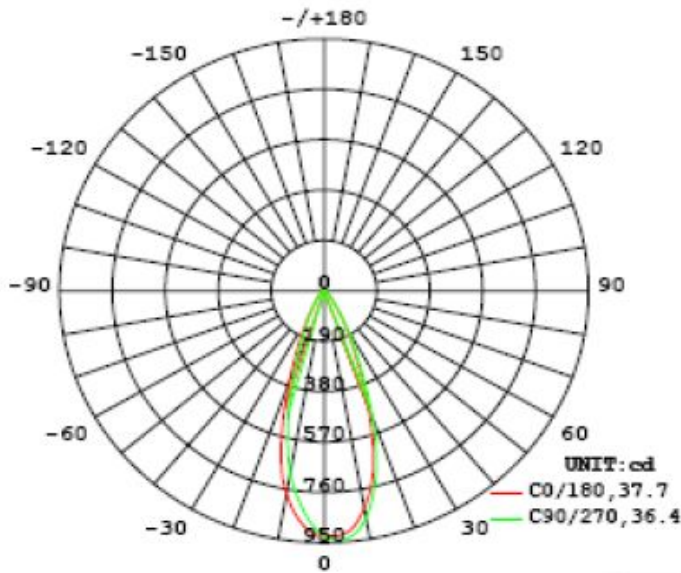
|  | unit   | Spec.   |      |      |      |
|--|--------|---------|------|------|------|
|  |        | Typical |      |      |      |
| Color Temp.  | (k)    | 3000    | 4000 | 5000 | 6500 |
| luminous flux (90deg cone) * for EU directional lamp | (lm)   |         |      |      |      |
| total Luminous flux                                  | (lm)   | 560     | 580  | 580  | 580  |
| CBCP   | (cd)   | 950     | 1000 | 1000 | 1000 |
| CRI(Ra)  | 700    | ≥80     |      |      |      |
| Beam Angle   | (deg)  | 25/40   |      |      |      |
| Efficiency   | (lm/w) | 80      | 83   | 83   | 83   |
| Dimming  |        | YES     |      |      |      |

Tolerance ± 6 %

1-6. Lifespan

|                        |         |       |                  |
|------------------------|---------|-------|------------------|
| Lifetime(L70) at 25deg | (hours) | 25000 | @25°C            |
| Switching Cycle        | (times) | 17500 | 30s on / 60s off |

1-7. Light Distribution data / LED's Spectrum wave form



1-8. work in special fixture

|                             |             |     |
|-----------------------------|-------------|-----|
| enclosed (sealed) fixtures  | (OK or N/A) | N/A |
| thermal-insulation fixtures | (OK or N/A) | N/A |

1-9. compatibility for switch with indicator (Firefly switch)

|            |             |    |
|------------|-------------|----|
| compatible | (OK or N/A) | OK |
|------------|-------------|----|

(330kΩ) for ~120V, (750kΩ) for ~230V, Pana\_FireFlySW x 2-parallel, work properly ~ for JPN. \* N/A- lamp w/transformer

2. Regulation Certification



Jonny Zeng  
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Date: 2015/07/27  
Subscriber: None  
PartySite: 520323  
File No: E465691  
Project No: 4786996796  
PD No: 15034994  
Type: R  
PO Number:

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

**Issue**

| <u>Date</u> | <u>Vol</u> | <u>Sec</u> | <u>Pages</u>             | <u>Revised Date</u> |
|-------------|------------|------------|--------------------------|---------------------|
|             |            | 1          | Revised Index Page(s) 1  | 2015/07/24          |
| 2015/07/24  | 1          | 3          | Cert of Compliance       |                     |
| 2015/07/24  | 1          | 3          | Add New Proc/Report Sect |                     |

Purchase Order: Zeng, Jonny(07/01/2015)

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

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NWT File

### 3.Pallatizing (drawing)

|                                      | Length<br>(mm) | Width<br>(mm) | Height<br>(mm) | Weight<br>(g) |
|--------------------------------------|----------------|---------------|----------------|---------------|
| giftbox                              | 51             | 51            | 67             |               |
| Outer carton                         | 285            | 280           | 300            |               |
| Unit weight with lamp                |                |               |                |               |
| Carton weight with full lamps inside |                |               |                |               |

(For example ) Package configuration

