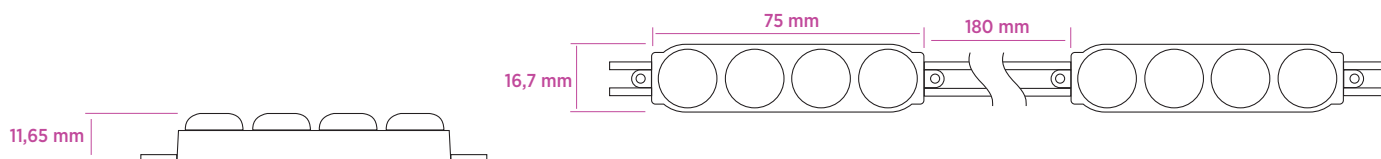




### Dimension:



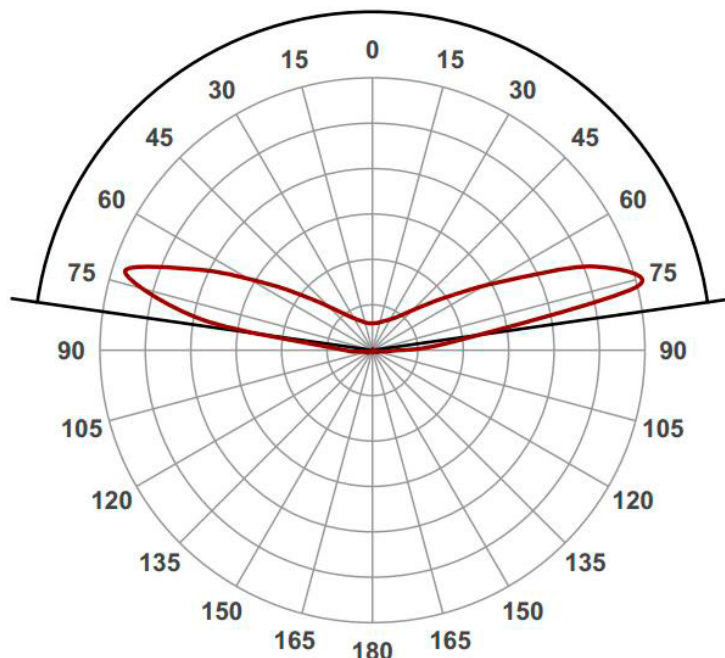
### Feature:

- AC220V directly Input, no need adaptor.
- Constant Current Technology (CCT), 50 pcs per series.
- Each one pcs can cut, more easy to install.
- Seal Glue process. Waterproof. IP 67.
- Suitable for 10-15cm height channel letters and light boxes backlighting etc.

### Parameter of Product:

| Code        | Color           | "Opration Voltage" | "Rated Current" | "Rated Power" | "Beam Angle" | Luminous Flux | CCT         | Working Temp. | IP Rank |
|-------------|-----------------|--------------------|-----------------|---------------|--------------|---------------|-------------|---------------|---------|
| 4SMD170220W | White 6000-6500 | AC220V             | 6,8mA           | 1,5W          | 170°         | 150-160 Lm    | 2800-15000K | -40°C-60°C    | IP 67   |

Distribution curve:



Distribution curve:

#### Color Parameter

Chroma Coordinate:  $x=0.3149$   $y=0.3148$   $u=0.1951$   $v=0.3097$   $Duv=0.0041$

Chroma Coordinate:  $u'=0.1951$   $v'=0.4645$

CCT.: CCT=6761K Dominant:  $d=487.1\text{nm}$  Barycenter:  $b=539\text{nm}$  Peak Wavelength:  $p=448.7\text{nm}$

FWHM: 20.26nm Purity:  $Pe=9.982\%$  Red Ratio:  $R=0.116$  Green Ratio:  $G=0.845$  Blue Ratio:  $B=0.039$

Color CRI.:  $Ra=72.81$

|         |        |         |         |         |         |         |
|---------|--------|---------|---------|---------|---------|---------|
| R 1=70  | R 2=74 | R 3=76  | R 4=74  | R 5=72  | R 6=66  | R 7=81  |
| R 8=62  | R 9=29 | R 10=37 | R 11=72 | R 12=40 | R 13=70 | R 14=86 |
| R 15=66 |        |         |         |         |         |         |

#### Luminosity Parameter

Luminous Flux(380-780nm): 153.75lm Optical Power(380-780nm): 0.386W Efficient(380-780nm): 102.5lm/W

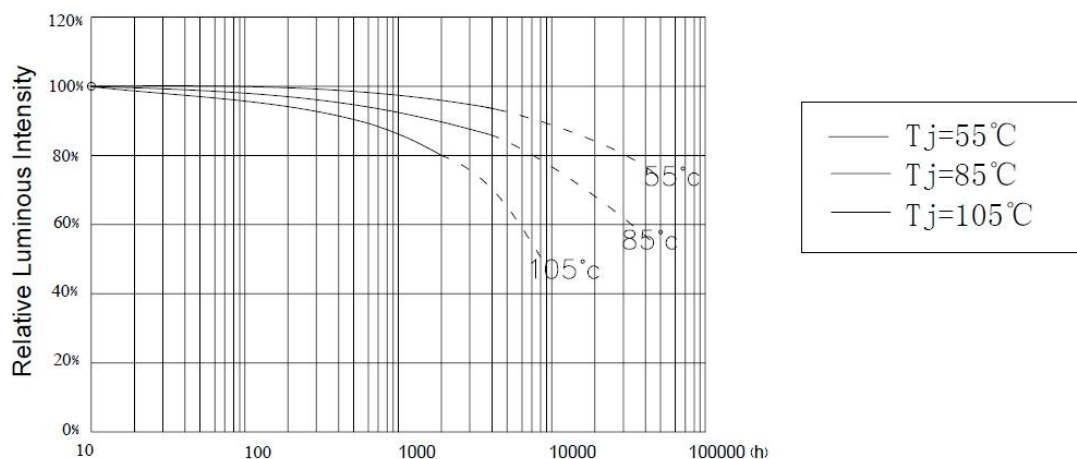
#### Electric Parameter

Voltage:  $U=220\text{V}$  Current:  $I=6.8\text{mA}$  Power:  $P=1.5\text{W}$  PF:  $PF=0.93$

## Affect of Tj on Luminous Maintenance:

life test:

Affect of Tj on Luminous Maintenance  
(If=40mA)  
(Dot line: Expected Life)



## Absolute maximum ratings:

| Parameter                   | Symbol | Value     | Unit |
|-----------------------------|--------|-----------|------|
| Power dissipation           | Pd     | 1,5       | W    |
| Forward current             | If     | 6,8       | mA   |
| Reverse voltage             | Vr     | 15        | V    |
| Operating temperature range | Top    | -20 ~+85  | °C   |
| Storage temperature range   | Tstg   | -35~+85   | °C   |
| Pulse forward current       | Ifp    | 200       | mA   |
| Electrostatic discharge     | ESD    | 2000(HBM) | V    |