

### Features

- ✓ CRI>83
- ✓ No Flicker
- ✓ UGR<19
- ✓ Elegant Light
- ✓ Cutout Size Can be Adjusted

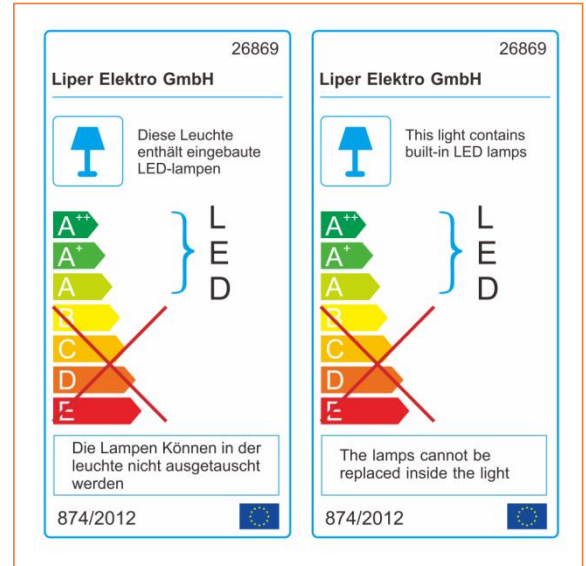
### Benefits

- ✓ High Energy Saving
- ✓ High Efficiency
- ✓ Eye Protection
- ✓ Long Life Time
- ✓ Private Mold

### Application



### Certificate



### Specifications

| Item Number   | Power (W) | Power Factor | Lumen (lm) | Efficiency (lm/W) | Input Current | CRI | Color Temperature | Life Time (hrs) |
|---------------|-----------|--------------|------------|-------------------|---------------|-----|-------------------|-----------------|
| LP-DL03EC01-Y | 3W        | >0.5         | 210-240    | 80±10             | 30mA          | >83 | CW/NW/WW          | 50000           |
| LP-DL06EC01-Y | 6W        | >0.5         | 430-510    | 80±10             | 50mA          | >83 | CW/NW/WW          | 50000           |
| LP-DL12EC01-Y | 12W       | >0.5         | 880-1020   | 80±10             | 100mA         | >83 | CW/NW/WW          | 50000           |
| LP-DL18EC01-Y | 18W       | >0.5         | 1450-1530  | 80±10             | 155mA         | >83 | CW/NW/WW          | 50000           |



## Technical specifications

|                                   |                                  |
|-----------------------------------|----------------------------------|
| On/Off Cycles                     | >100,000                         |
| Color Tolerance Adjustment (SDCM) | <6                               |
| IP                                | 44                               |
| Class                             | II                               |
| LED Driver                        | DOB                              |
| LED Beads                         | 2835 3V/60MA                     |
| Housing Color                     | White                            |
| Pressure Resistant                | 3000V                            |
| Wire Diameter and Material        | 0.75 mm <sup>2</sup> Copper Wire |

## Electrical Supply

|                |          |          |            |         |
|----------------|----------|----------|------------|---------|
| Power Range    | 2.7-3.3W | 5.4-6.6W | 10.8-13.2W | 16-20W  |
| Frequency (Hz) | 50/60    | 50/60    | 50/60      | 50/60   |
| Voltage (V)    | 100-240  | 100-240  | 100-240    | 100-240 |
| AC/DC          | AC       | AC       | AC         | AC      |
| Input Current  | 30mA     | 50mA     | 100mA      | 155mA   |
| Output Voltage | DC15V    | DC18V    | DC36V      | DC54V   |
| Output Current | 160mA    | 270mA    | 270mA      | 280mA   |

## Lights Material

|                  |         |
|------------------|---------|
| Housing Material | Iron    |
| Optical Material | Plastic |

## Temperature

|                       |               |
|-----------------------|---------------|
| Operating Temperature | -15°C ~ 50 °C |
| Testing Temperature   | -20°C ~ 95 °C |

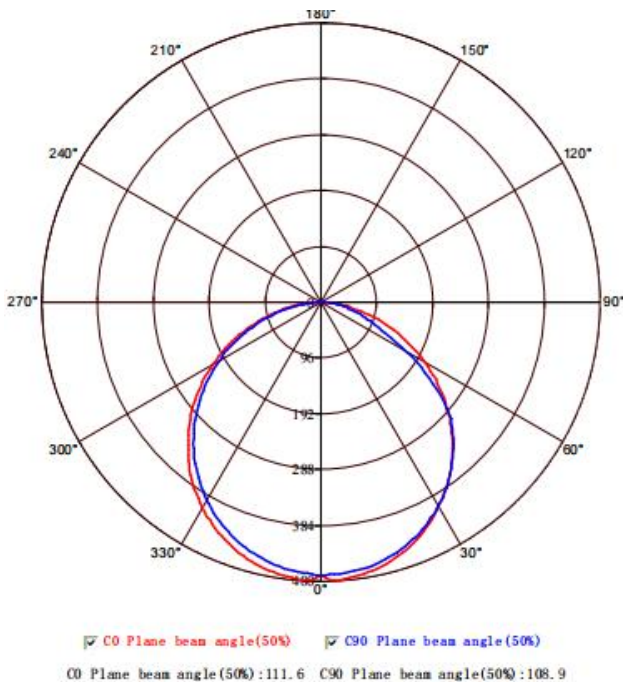
### Dimensional Drawing

| Item No       | Power | Diameter (mm) | Height (mm) | Cut out Size (mm) |
|---------------|-------|---------------|-------------|-------------------|
| LP-DL03EC01-Y | 3W    | 85            | 25          | 40-75             |
| LP-DL06EC01-Y | 6W    | 116           | 25          | 55-105            |
| LP-DL12EC01-Y | 12W   | 166           | 25          | 55-155            |
| LP-DL18EC01-Y | 18W   | 219           | 25          | 55-210            |

### Packing Data

| Item No       | PCS/CTN | Gross Weight KG | Net Weight KG | Length CM | Width CM | Height CM |
|---------------|---------|-----------------|---------------|-----------|----------|-----------|
| LP-DL03EC01-Y | 120     | 11.5            | 8.3           | 51.5      | 31       | 25.5      |
| LP-DL06EC01-Y | 64      | 8.7             | 6.4           | 49.5      | 25       | 26        |
| LP-DL12EC01-Y | 60      | 7.6             | 5.8           | 53        | 24.5     | 36        |
| LP-DL18EC01-Y | 24      | 9.1             | 7.5           | 46        | 29       | 24.5      |

### Planar Intensity Distribution Curve



### Average Illumination

