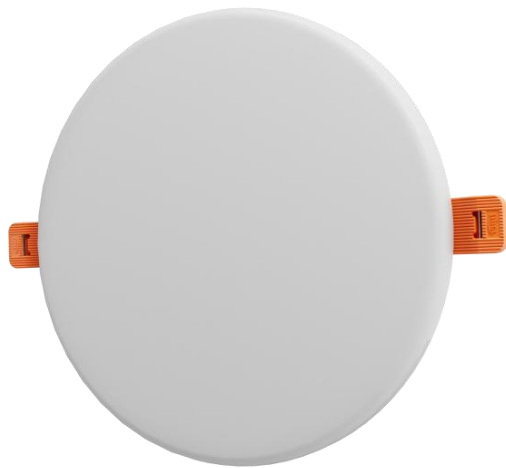




## Features

- ✓ CRI>80
- ✓ Elegant Light
- ✓ No Flicker UGR<19
- ✓ Cut Out Size Adjustable
- ✓ Ultra-thin Type

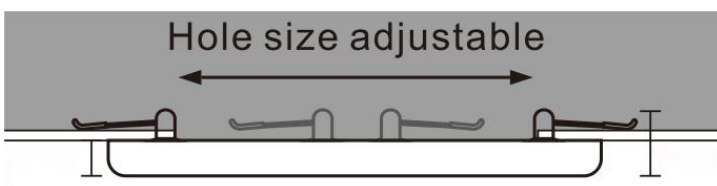
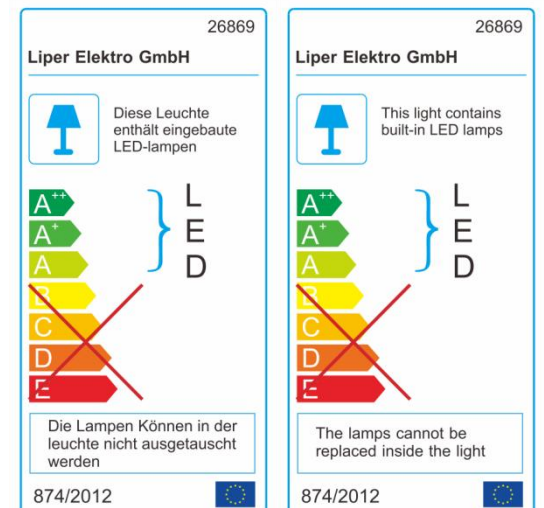
## Benefits

- ✓ 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) |
|--------------|-----------|--------------|------------|-------------------|---------------|-----|-------------------|-----------------|
| LPDL-06K01-Y | 6W        | >0.5         | 600LM      | 100lm             | 50mA          | >80 | WW/CW/NW          | 50000           |
| LPDL-12K01-Y | 12W       | >0.5         | 1200LM     | 100lm             | 97mA          | >80 | WW/CW/NW          | 50000           |
| LPDL-18K01-Y | 18W       | >0.5         | 1800LM     | 100lm             | 147mA         | >80 | WW/CW/NW          | 50000           |
| LPDL-24K01-Y | 24W       | >0.5         | 2400LM     | 100lm             | 190mA         | >80 | WW/CW/NW          | 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

| Item Number    | LPDL-06K01-F | LPDL-12K01-F | LPDL-18K01-F | LPDL-24K01-F |
|----------------|--------------|--------------|--------------|--------------|
| Power Range    | 6W           | 12W          | 18W          | 24W          |
| 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  | 50mA         | 97mA         | 147mA        | 190mA        |
| Output Voltage | DC60V        | DC60V        | DC60V        | DC84V        |
| Output Current | 90mA         | 180mA        | 270mA        | 260mA        |

## Initial Performance (IEC Compliant)

|                             |        |
|-----------------------------|--------|
| Luminous Flux Tolerance     | +/-10% |
| Power Consumption Tolerance | +/-10% |

## Lights Material

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



## Temperature

Operating Temperature

-15°C ~ 50 °C

Testing Temperature

-20°C ~ 95 °C

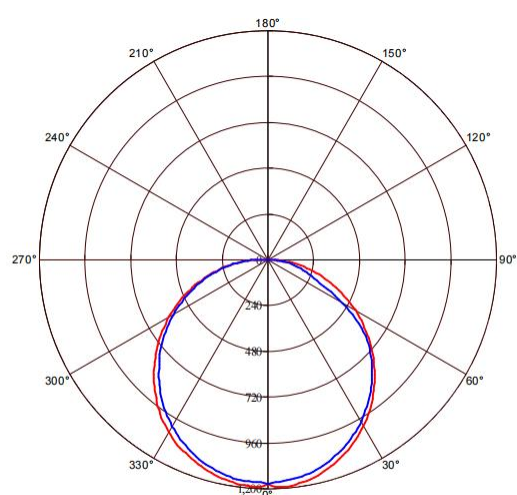
## Dimensional Drawing

| Item No      | Power | Diameter (mm) | Height (mm) | Cut out (mm) |
|--------------|-------|---------------|-------------|--------------|
| LPDL-06K01-Y | 6W    | 95            | 28          | 50-90        |
| LPDL-12K01-Y | 12W   | 120           | 28          | 75-110       |
| LPDL-18K01-Y | 18W   | 170           | 28          | 100-150      |
| LPDL-24K01-Y | 24W   | 228           | 28          | 150-210      |

## Packing Data

| Item No      | PCS/CTN | Gross Weight KG | Net Weight KG | Length CM | Width CM | Height CM |
|--------------|---------|-----------------|---------------|-----------|----------|-----------|
| LPDL-06K01-Y | 100     | 13.4            | 10.3          | 51        | 41.5     | 26        |
| LPDL-12K01-Y | 80      | 15.8            | 12.4          | 52        | 41.5     | 26.5      |
| LPDL-18K01-Y | 40      | 13.3            | 10.8          | 41.5      | 36.5     | 36.5      |
| LPDL-24K01-Y | 20      | 12.8            | 10.4          | 47        | 43.5     | 24.5      |

## Planar Intensity Distribution Curve



☒ C0 Plane beam angle(50%)    ☒ C90 Plane beam angle(50%)  
 C0 Plane beam angle(50%):115.4    C90 Plane beam angle(50%):112.9

## Average Illumination

