

Features

- ✓ IP66
- ✓ IK10
- ✓ CRI>83
- ✓ 100lm/W

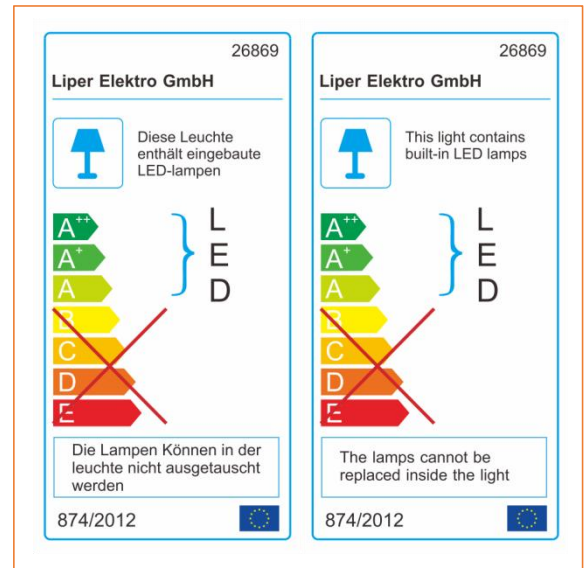
Benefits

- ✓ High Energy Saving
- ✓ High Efficiency
- ✓ 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) |
|--------------|-----------|--------------|------------|-------------------|---------------|-----|-------------------|-----------------|
| LPFL-20BT01 | 20W | >0.5 | 2000 lm | 100 lm/W | 160mA | >83 | CW/NW/WW | 50000 |
| LPFL-30BT01 | 30W | >0.5 | 3000 lm | 100 lm/W | 240mA | >83 | CW/NW/WW | 50000 |
| LPFL-50BT01 | 50W | >0.5 | 5000 lm | 100 lm/W | 400mA | >83 | CW/NW/WW | 50000 |
| LPFL-100BT01 | 100W | >0.5 | 10000 lm | 100 lm/W | 800mA | >83 | CW/NW/WW | 50000 |
| LPFL-200BT01 | 200W | >0.5 | 20000 lm | 100 lm/W | 1600mA | >83 | CW/NW/WW | 50000 |
| LPFL-300BT01 | 300W | >0.5 | 30000 lm | 100 lm/W | 1800mA | >83 | CW/NW/WW | 50000 |



Electrical Supply

| | | | | | | |
|----------------|---------|---------|---------|---------|---------|---------|
| Power Range | 20W | 30W | 50W | 100W | 200W | 300W |
| Frequency (Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Voltage (V) | 100-240 | 100-240 | 100-240 | 100-240 | 100-240 | 100-240 |
| AC/DC | AC | AC | AC | AC | AC | AC |
| Input Current | 160mA | 240mA | 400mA | 800mA | 1600mA | 1800mA |
| Output Voltage | 72V | 108V | 150V | 144V | 144V | 144V |

Technical specifications

| | |
|-----------------------------------|----------------------------------|
| On/Off Cycles | >100,000 |
| Color Tolerance Adjustment (SDCM) | <6 |
| IP | 66 |
| Class | I |
| LED Driver | DOB |
| Housing Color | Grey |
| Pressure Resistant | 1500V |
| Wire Diameter and Material | 0.75 mm ² Copper Wire |

Initial Performance (IEC Compliant)

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

Lights Material

| | |
|------------------|----------------------|
| Housing Material | Die-Casting Aluminum |
| Optical Material | Lens |

Temperature

| | |
|-----------------------|---------------|
| Operating Temperature | -45°C ~ 50 °C |
| Testing Temperature | -45°C ~ 95 °C |

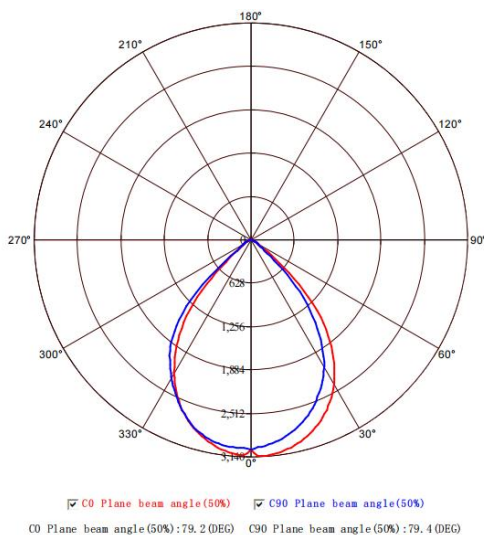
Packing data

| Item No | PCS/CTN | Gross Weight KG | Net Weight KG | Length CM | Width CM | Height CM |
|--------------|---------|-----------------|---------------|-----------|----------|-----------|
| LPFL-20BT01 | 50 | 9.3 | 8 | 57.5 | 19 | 25.5 |
| LPFL-30BT01 | 30 | 8.1 | 6.9 | 38 | 18.5 | 33.5 |
| LPFL-50BT01 | 30 | 11.9 | 10.2 | 48 | 18.5 | 41.5 |
| LPFL-100BT01 | 10 | 7.5 | 6.4 | 45.5 | 20 | 29.5 |
| LPFL-200BT01 | 6 | 10.4 | 9.2 | 29 | 28.5 | 36 |
| LPFL-300BT01 | 6 | 11.3 | 10 | 34.3 | 26 | 40 |

Dimensional Drawing

| Item No | Power | Length (mm) | Width (mm) | Height (mm) |
|--------------|-------|-------------|------------|-------------|
| LPFL-20BT01 | 20W | 112 | 107 | 29 |
| LPFL-30BT01 | 30W | 150 | 118 | 29 |
| LPFL-50BT01 | 50W | 191 | 151 | 29 |
| LPFL-100BT01 | 100W | 266 | 216 | 32 |
| LPFL-200BT01 | 200W | 334 | 270 | 40 |
| LPFL-300BT01 | 300W | 376 | 324 | 36 |

Planar Intensity Distribution Curve



Average Illumination

