

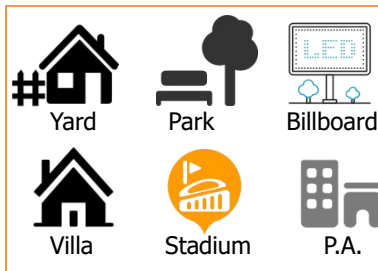
## Features

- ✓ CRI>80
- ✓ IP66
- ✓ CCT Adjustable Optional
- ✓ Lens Replaceable

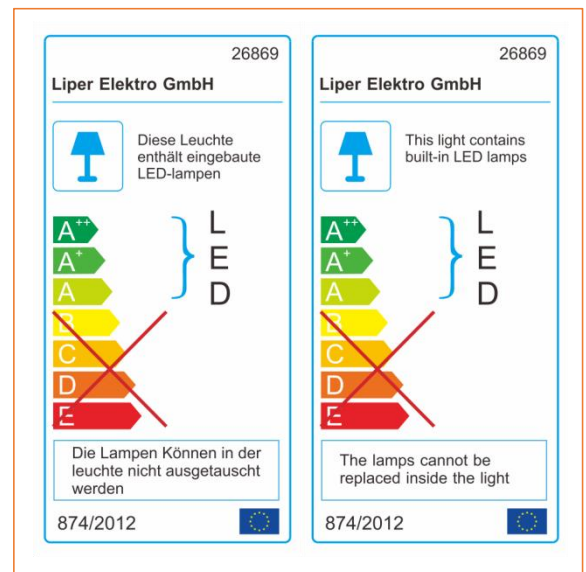
## Benefits

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

## Application



## Certificate



## Specifications

| Item Number  | Power (W) | Power Factor | Dissipation Factor | Lumen (lm) | Efficiency (lm/W) | CRI | Color Temperature | Life Time (hrs) |
|--------------|-----------|--------------|--------------------|------------|-------------------|-----|-------------------|-----------------|
| LPFL-30BW01  | 30W       | >0.5         | >0.9               | 3000       | 100               | >80 | WW/CW/NW/CCT      | 50000           |
| LPFL-50BW01  | 50W       | >0.5         | >0.9               | 5000       | 100               | >80 | WW/CW/NW/CCT      | 50000           |
| LPFL-100BW01 | 100W      | >0.9         | >0.9               | 10000      | 100               | >80 | WW/CW/NW/CCT      | 50000           |
| LPFL-150BW01 | 150W      | >0.9         | >0.9               | 15000      | 100               | >80 | WW/CW/NW/CCT      | 50000           |
| LPFL-200BW01 | 200W      | >0.9         | >0.9               | 20000      | 100               | >80 | WW/CW/NW/CCT      | 50000           |
| LPFL-300BW01 | 300W      | >0.9         | >0.9               | 30000      | 100               | >80 | WW/CW/NW/CCT      | 50000           |

## Initial Performance (IEC Compliant)

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

| Item 1 Driver Part                           |       | Parameter Range |            |            |            |            |            |
|----------------------------------------------|-------|-----------------|------------|------------|------------|------------|------------|
|                                              |       | 30W             | 50W        | 100W       | 150W       | 200W       | 300W       |
| Input Voltage (VAC)                          |       | 100-240         | 100-240    | 100-240    | 100-240    | 100-240    | 100-240    |
| Input Frequency (Hz)                         |       | 50/60           | 50/60      | 50/60      | 50/60      | 50/60      | 50/60      |
| Input Current (mA)                           |       | 300mA           | 500mA      | 580mA      | 870mA      | 1150mA     | 1740mA     |
| Output Current                               |       | 250mA           | 680mA      | 220mA      | 330mA      | 440mA      | 650mA      |
| Output Voltage                               |       | 108V            | 66V        | 440V       | 440V       | 440V       | 440V       |
| Output Wattage (W)                           |       | 30              | 50         | 100        | 150        | 200        | 300        |
| Power Range                                  |       | 27-33           | 45-55      | 90-110     | 135-165    | 180-220    | 270-330    |
| Power Factor                                 |       | >0.5            | >0.5       | >0.9       | >0.9       | >0.9       | >0.9       |
| Dissipation Factor                           |       | >0.9            | >0.9       | >0.9       | >0.9       | >0.9       | >0.9       |
| Total Harmonic Distortion (THD) (%)          |       | <130%           | <130%      | <15%       | <15%       | <15%       | <15%       |
| Color Temperature Adjustment Method          |       | Dip Switch      | Dip Switch | Dip Switch | Dip Switch | Dip Switch | Dip Switch |
| Dimming Method                               |       | -               | -          | -          | -          | -          | -          |
| Sensor Method                                |       | -               | -          | -          | -          | -          | -          |
| Smart Control Method                         |       | -               | -          | -          | -          | -          | -          |
| Emergency Duration                           |       | -               | -          | -          | -          | -          | -          |
| Emergency Wattage                            |       | -               | -          | -          | -          | -          | -          |
| Item 2 Lamp                                  |       | Parameter Range |            |            |            |            |            |
|                                              |       | 30W             | 50W        | 100W       | 150W       | 200W       | 300W       |
| Lamp Material                                |       | ADC12           | ADC12      | ADC12      | ADC12      | ADC12      | ADC12      |
| Optical Materials                            |       | PC              | PC         | PC         | PC         | PC         | PC         |
| LED                                          |       | SMD2835         | SMD2835    | SMD2835    | SMD2835    | SMD2835    | SMD2835    |
| LED Quantity and Arrangement                 |       | 17S2PX2         | 11S3PX2    | 70S2PX2    | 68S3PX2    | 70S2PX2    | 70S5PX2    |
| Color Temperature (CCT)                      |       | 3000K           | 3000K      | 3000K      | 3000K      | 3000K      | 3000K      |
|                                              |       | 4000K           | 4000K      | 4000K      | 4000K      | 4000K      | 4000K      |
|                                              |       | 6500K           | 6500K      | 6500K      | 6500K      | 6500K      | 6500K      |
| Color Rendering Index (CRI)                  |       | >80             | >80        | >80        | >80        | >80        | >80        |
| Standard Deviation of Color Matching (SDCM)  |       | <5              | <5         | <5         | <5         | <5         | <5         |
| Beam Angle (0-180)                           |       | 89°             | 89°        | 89°        | 89°        | 89°        | 89°        |
| Perceptibility of Stroboscopic Effects (PST) |       | ≤1.0            | ≤1.0       | ≤1.0       | ≤1.0       | ≤1.0       | ≤1.0       |
| Stroboscopic Visibility Measure (SVM)        |       | <1.0            | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       |
| UGR                                          |       | -               | -          | -          | -          | -          | -          |
| Total Luminous Flux                          | 3000K | 3500 lm         | 5600 lm    | 12000 lm   | 19000lm    | 26000lm    | 39000lm    |
|                                              | 4000K | 3900 lm         | 6620 lm    | 15000 lm   | 21000lm    | 28000lm    | 39000lm    |
|                                              | 6500K | 3500 lm         | 5600 lm    | 13000 lm   | 19000lm    | 26000lm    | 42000lm    |

| Item 3 Reliability                |       | Parameter Range |           |           |           |           |           |
|-----------------------------------|-------|-----------------|-----------|-----------|-----------|-----------|-----------|
| Lamp Lifetime (@Ta=25°C) (L70B50) |       | 30000H          | 30000H    | 30000H    | 30000H    | 30000H    | 30000H    |
| Warranty                          |       | 2Years          | 2Years    | 2Years    | 2Years    | 2Years    | 2Years    |
| Environment Temperature Range(°C) |       | -25 - +50       | -25 - +50 | -25 - +50 | -25 - +50 | -25 - +50 | -25 - +50 |
| Storage Temperature Range(°C)     |       | -40 - +85       | -40 - +85 | -40 - +85 | -40 - +85 | -40 - +85 | -40 - +85 |
| Lumen Maintenance (6000h)         |       | >80%            | >80%      | >80%      | >80%      | >80%      | >80%      |
| Item 4 Safety                     |       | Parameter Range |           |           |           |           |           |
| Lamp Holder                       |       | -               | -         | -         | -         | -         | -         |
| IK                                |       | IK08            | IK08      | IK08      | IK08      | IK08      | IK08      |
| Ingress Protection                |       | IP66            | IP66      | IP66      | IP66      | IP66      | IP66      |
| Against Electric Chock (I/II/III) |       | Class I         | Class I   | Class I   | Class I   | Class I   | Class I   |
| Flame Retardant Grade             |       | UL94 V-0        | UL94 V-0  | UL94 V-0  | UL94 V-0  | UL94 V-0  | UL94 V-0  |
| Surge                             | L-N   | 2KV             | 3KV       | 3KV       | 3KV       | 3KV       | 3KV       |
|                                   | LN-PE | 4KV             | 6KV       | 6KV       | 6KV       | 6KV       | 6KV       |
| Hi-POT (Withstanding Voltage)     |       | >1.5KV          | >1.5KV    | >1.5KV    | >1.5KV    | >1.5KV    | >1.5KV    |
| Certification                     |       | CE CB           |           |           |           |           |           |

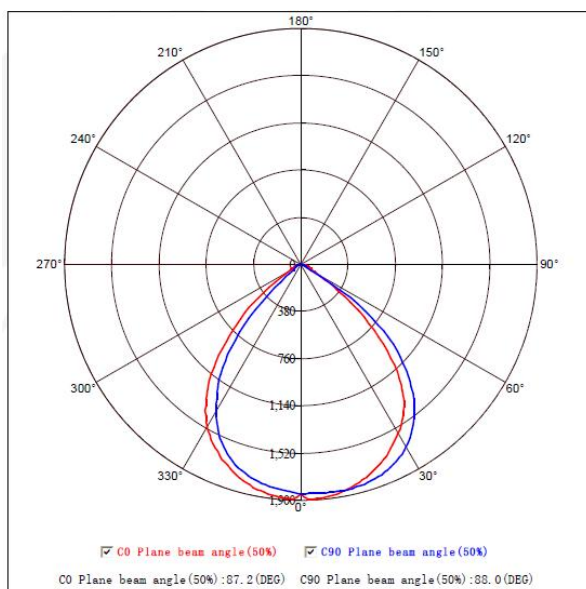
### Dimensional Drawing

| Item No      | Power | Length (mm) | Width (mm) | Height (mm) | Net Weight (KG) |
|--------------|-------|-------------|------------|-------------|-----------------|
| LPFL-30BW01  | 30W   | 157.3       | 141.6      | 32.2        | 0.21            |
| LPFL-50BW01  | 50W   | 165.1       | 187.6      | 31.8        | 0.33            |
| LPFL-100BW01 | 100W  | 250.4       | 221.6      | 32.5        | 0.56            |
| LPFL-150BW01 | 150W  | 300         | 272.7      | 32.5        | 0.91            |
| LPFL-200BW01 | 200W  | 337.4       | 323.6      | 32.5        | 1.13            |
| LPFL-300BW01 | 300W  | 388.4       | 407.7      | 37.7        | 1.86            |

## Packing Data

| Item No      | PCS/CTN | Gross Weight<br>KG | Net Weight<br>KG | Length<br>CM | Width<br>CM | Height<br>CM |
|--------------|---------|--------------------|------------------|--------------|-------------|--------------|
| LPFL-30BW01  | 30      | 7.5                | 6.3              | 46.5         | 20.5        | 35           |
| LPFL-50BW01  | 20      | 7.6                | 6.6              | 36.5         | 25          | 40.5         |
| LPFL-100BW01 | 10      | 6.4                | 5.6              | 40.5         | 24          | 28           |
| LPFL-150BW01 | 6       | 6.5                | 5.5              | 29.5         | 26.5        | 31.5         |
| LPFL-200BW01 | 5       | 6.6                | 5.7              | 34.5         | 23          | 36           |
| LPFL-300BW01 | 4       | 8.7                | 7.5              | 40.5         | 20          | 43.5         |

## Planar Intensity Distribution Curve



## Average Illumination

