

# FL37A

## LED Flood Light



### Specifications

|                          |                               |
|--------------------------|-------------------------------|
| Input Voltage:           | 100 ~ 240Vac                  |
| Input Frequency:         | 50 / 60Hz                     |
| Power Factor:            | 0.95                          |
| Driver Efficiency        | Typical 83%-85%               |
| Surge Protection Level:  | 10kV line-earth               |
| Working Environment:     | -40℃ ~ +50℃, 10% ~ 90% RH     |
| CCT:                     | 3000K, 4000K, 5000K, 5700K    |
| CRI:                     | ≥70                           |
| Housing:                 | Die Casting, Galvanized Steel |
| IP Rating of LED Engine: | IP68                          |
| IP Rating of Luminaire:  | IP66                          |
| Impact Resistance        | IK08                          |
| Warranty:                | 5 Years Limited               |

### Finishing Colors

|                                                                                     |       |                                                                                     |           |
|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-----------|
|  | Gray  |  | Black     |
|  | White |  | Dark Gray |

### Applications

- Advertisement (wall, billboard....)
- Landscape (lawn, garden...)
- Wall pack (lane, footpath...)



### Features

#### Construction

- Compact die cast design, of light weight and high reliability.
- Whole structure heating dissipation design with efficient thermal conduction and radiation.
- Unique patented IP68 LED light engine.

#### Electrical

- Constant current, steady output and safety for LEDs.

#### Optical

- Tempered glass cover, easy for cleaning.
- Optional diffuse cover provides a comfortable lighting environment.

#### Mounting

- Bracket adjustable within  $\pm 60^\circ$ .

### Photos



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## Ordering Information

Example: FL37A-N1-10-CA-24-1873-7040-LU-CM-WH

| Luminaire Type |             | Module Qty | System Power  | LED Package | Cable Standard | LED Qty per Module |      |   |         |    |       |       |       |
|----------------|-------------|------------|---------------|-------------|----------------|--------------------|------|---|---------|----|-------|-------|-------|
| FL             | Flood light | N1         | 1 Optical set | 10          | 10W            | C                  | 3030 | A | CCC+VDE | 24 | 24pcs |       |       |
|                | 37A         |            | 37A series    |             | 15             |                    | 15W  |   | C       |    | PSE   | 36    | 36pcs |
|                |             |            | 20            |             | 20W            |                    | H    |   | UL      |    | 48    | 48pcs |       |
|                |             |            | 30            |             | 30W            |                    | X    |   | Others  |    |       |       |       |

| Lens Code |           | CRI & CCT |                  | Brand of LEDs |          | Driver Brand |            | Housing Color |           |
|-----------|-----------|-----------|------------------|---------------|----------|--------------|------------|---------------|-----------|
| 1873      | 125°X100° | 7030      | Ra≥70, CCT 3000K | LU            | LUMILEDS | CM           | Customized | BK            | Black     |
|           |           | 7040      | Ra≥70, CCT 4000K | SN            | Sanan    | XX           | Others     | WH            | White     |
|           |           | 7050      | Ra≥70, CCT 5000K | XX            | Others   |              |            | GY            | Gray      |
|           |           | 7057      | Ra≥70, CCT 5700K |               |          |              |            | DG            | Dark Gray |

## Performance

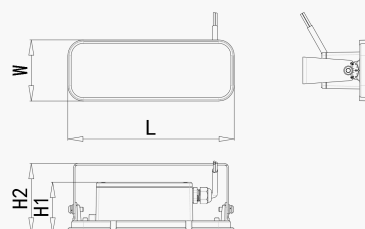
| Model | Power (W) | Efficacy (lm/W) | Flux (lm) |
|-------|-----------|-----------------|-----------|
| FL37A | 10        | 140             | 1400      |
|       | 15        | 140             | 2100      |
|       | 20        | 140             | 2800      |
|       | 30        | 135             | 4050      |

Note: 1. Values shown are subject to ±5%~±8% tolerance.  
 2. Efficacy of Ra70 3000K is 5% lower than other CCT≥4000K.  
 3. Efficacy of diffuse option is lower than data above.

## Product Dimensions

| Model | L (mm) | W1 (mm) | H1 (mm) | H2 (mm) | N.W. (kg) |
|-------|--------|---------|---------|---------|-----------|
| FL37A | 220    | 80      | 66.5    | 90      | 1.1       |

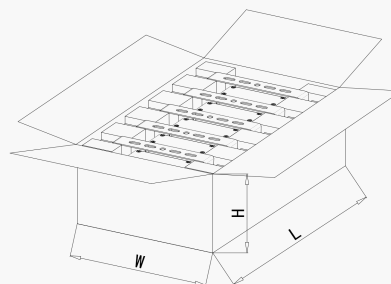
Notes: Typical values above. N.W. tolerance: 5%. Dimension tolerance: ± 5



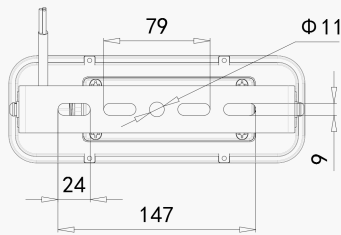
## Package Information

| Model | PCS/CTN | L (mm) | W (mm) | H (mm) | G.W. (kg) |
|-------|---------|--------|--------|--------|-----------|
| FL37A | 5       | 480    | 300    | 120    | 6.1       |

Notes: Typical values above. G.W. tolerance: 5%. Dimension tolerance: ± 5

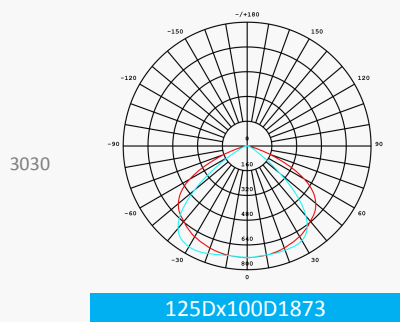


Installation Bracket



Tolerance: ± 0.5

Typical Distributions



Version History

| Change Date | Version | Description of Change                                                               |               |                     |
|-------------|---------|-------------------------------------------------------------------------------------|---------------|---------------------|
|             |         | Item                                                                                | From          | To                  |
| 2020/12/16  | Ver A   | Datasheet Pre-Release                                                               |               |                     |
| 2021/03/15  | Ver1.0  | Datasheet officially released.<br>-- LED quantity revised, and efficacy accordingly | 48pcs for all | 24pcs/ 36pcs/ 48pcs |
| 2021/11/16  | Ver1.1  | Ordering Information and Performance                                                |               | Add 30W solution    |
|             |         |                                                                                     |               |                     |