



# AFL72

LED Flood Light Series

CE ErP

## MAIN APPLICATIONS



ROADS & MOTORWAYS



TUNNELS & UNDERPASSES



LARGE AREAS



INDUSTRIAL  
HALLS &  
WAREHOUSES



SPORT  
FACILITIES



ACCENT &  
ARCHITECTURAL



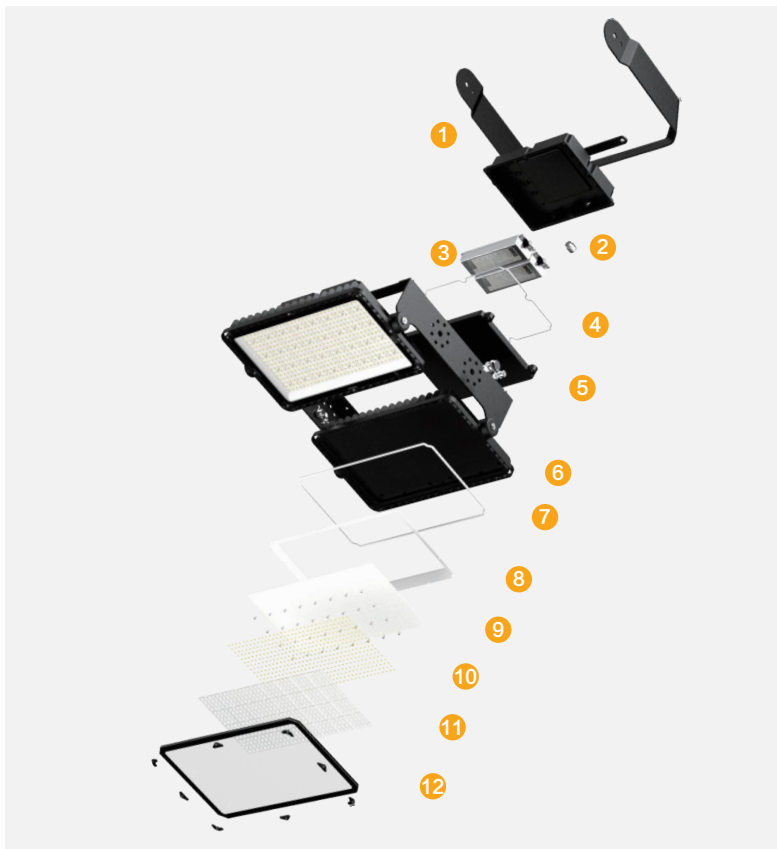
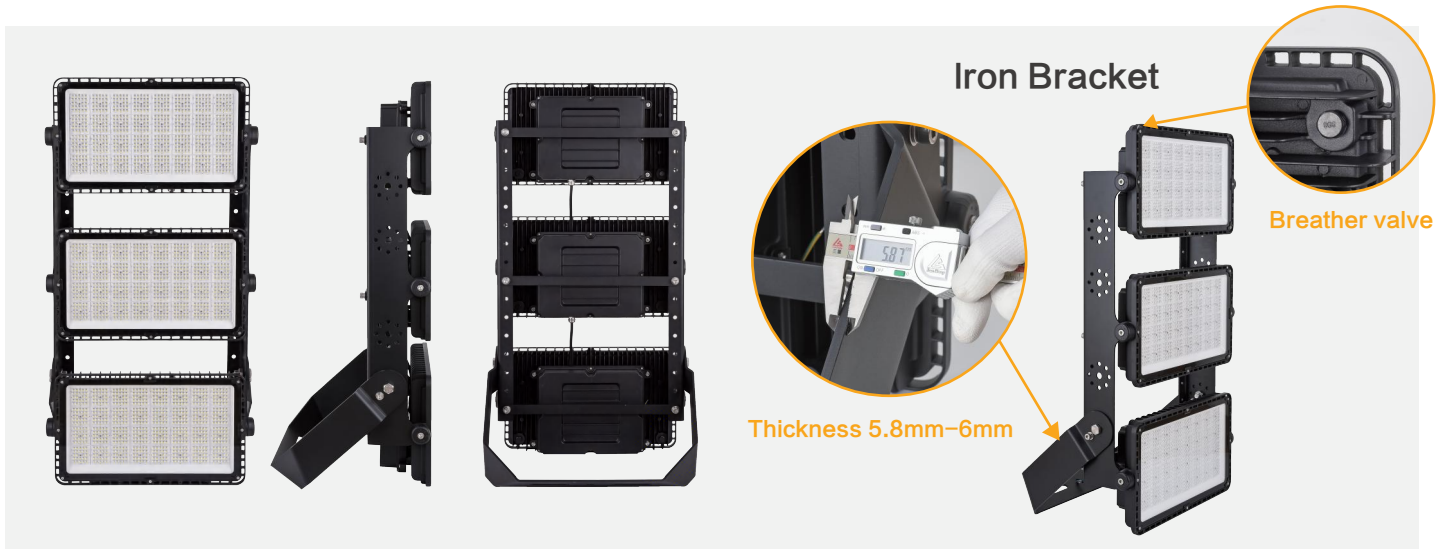
CAR PARKS



## Advantages

- Luminous efficacy: Up to 170Lm/W
- Patent and private module, integrated aluminum die-casting body.
- Honeycomb heat dissipation design
- Can use multiple modules in parallel
- The bracket is very sturdy

## Product Details



- 1 Iron bracket
- 2 Waterproof gland
- 3 Waterproof LED driver
- 4 Waterproof silicon gel
- 5 Driver case
- 6 Die-casting aluminum housing
- 7 Waterproof silicon gel
- 8 UV-proof nano-reflector
- 9 Highly thermal conductive aluminum PCB
- 10 High lumen 3030 SMD light source
- 11 UV-proof optical lens
- 12 Tempered glass cover

## Installation Diagram

Floor Installation



Ceiling Installation



Wall Suction Installation



Post Installation



# AFL72 Technical Data

|                            |                                |
|----------------------------|--------------------------------|
| LED Chip Brand             | Lumileds   Cree   Epistar plus |
| LED Chip Type              | SMD3030   SMD5050              |
| Luminous Efficacy          | 170LM/W                        |
| Color Rendering Index (RA) | > 70   80   90                 |
| Color Temperature          | 2700K-6500K                    |
| Beam Angle                 | Type I   Type II   Type III    |
| Lens                       | 32Pcs                          |
| Life Time                  | 100000 Hours                   |

## Electrical Parameters

|                           |                        |
|---------------------------|------------------------|
| Power A                   | 500W                   |
| Power B                   | 1000W                  |
| Power C                   | 1500W                  |
| Voltage                   | AC85-305V              |
| Electrical Security Class | Class I   Class II     |
| Work Temperature          | (-30 °C to 50 °C)      |
| Humidity                  | 10 % to 90%            |
| IP Grade                  | IP66                   |
| IK Grade                  | IK08                   |
| SPD                       | 10KV   20KV (Optional) |

## Driver

|              |                                                    |
|--------------|----------------------------------------------------|
| Brand        | Philips   Inventronics   Meanwell<br>  Sosen   OEM |
| Power Factor | >0.90 without flicker                              |
| Performance  | > 90%                                              |
| IP Grade     | IP20 to IP67                                       |
| THD          | < 12%                                              |

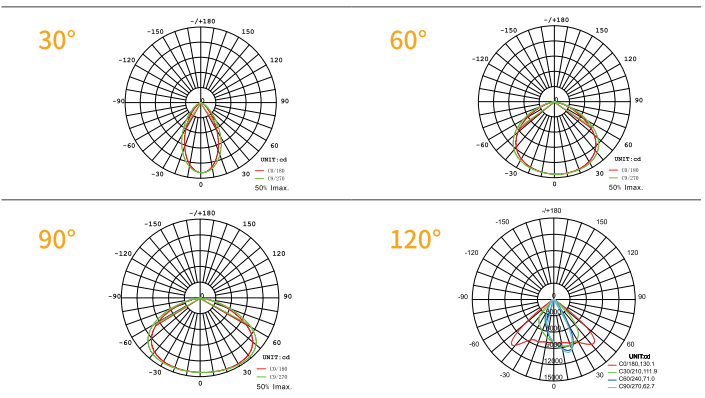
## Materials and Properties

|                   |                                   |
|-------------------|-----------------------------------|
| Material Of Shell | Aluminum (ADC12) + Tempered Glass |
| Material Of Lens  | PC                                |
| Size 500W (mm)    | 534*130*338                       |
| Size 1000W (mm)   | 544*178*800                       |
| Size 1500W (mm)   | 544*178*1179                      |

## Tested according to

|        |                                                                                                                                                                |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CE-LVD | EN 60598-2-3:2003+A1:2011<br>EN IEC 60598-1:2024 + A11:2024<br>EN IEC 62031:2020+A11:2021<br>EN 62262:2002+A1:2021<br>EN 62493:2015+A1:2022                    |
| CE-EMC | EN IEC 55015:2019+A11:2020:<br>EN IEC 61547:2023<br>EN IEC 61000-3-2:2019+ A1: 2021+A2:2024:<br>EN 61000-3-3:2013+A1:2019+A2:2021                              |
| ROHS   | IEC62321-1:2013, IEC62321-3-1:2013<br>IEC62321-4:2013/AMD1:2017<br>IEC62321-5:2013, IEC62321-6:2015<br>IEC62321-7-1:2015, IEC62321-7-2:2017<br>IEC62321-8:2017 |

## Typical Photometric Features



## Product Size

