

AFL71

CE ErP

MAIN APPLICATIONS



ROADS & MOTORWAYS



TUNNELS & UNDERPASSES



LARGE AREAS



SPORT FACILITIES



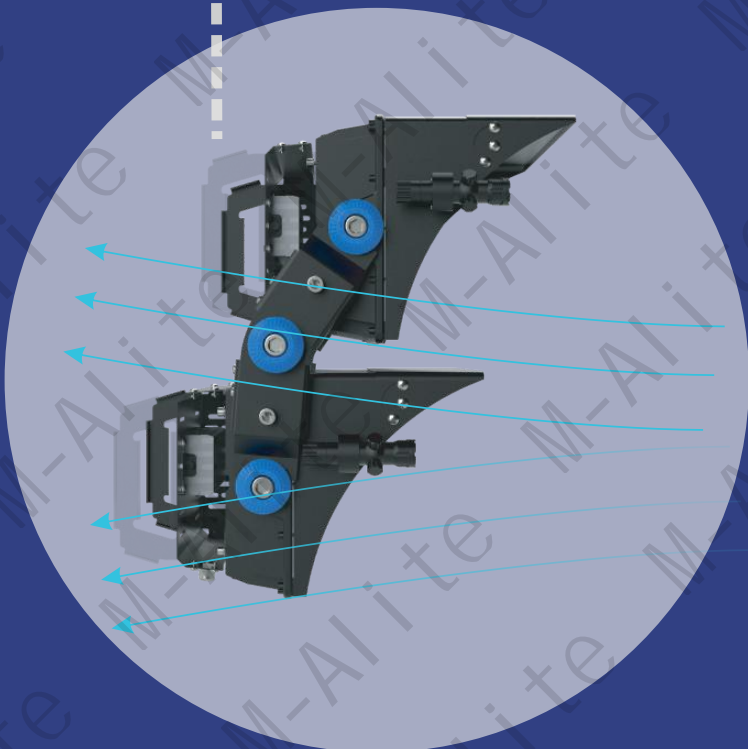
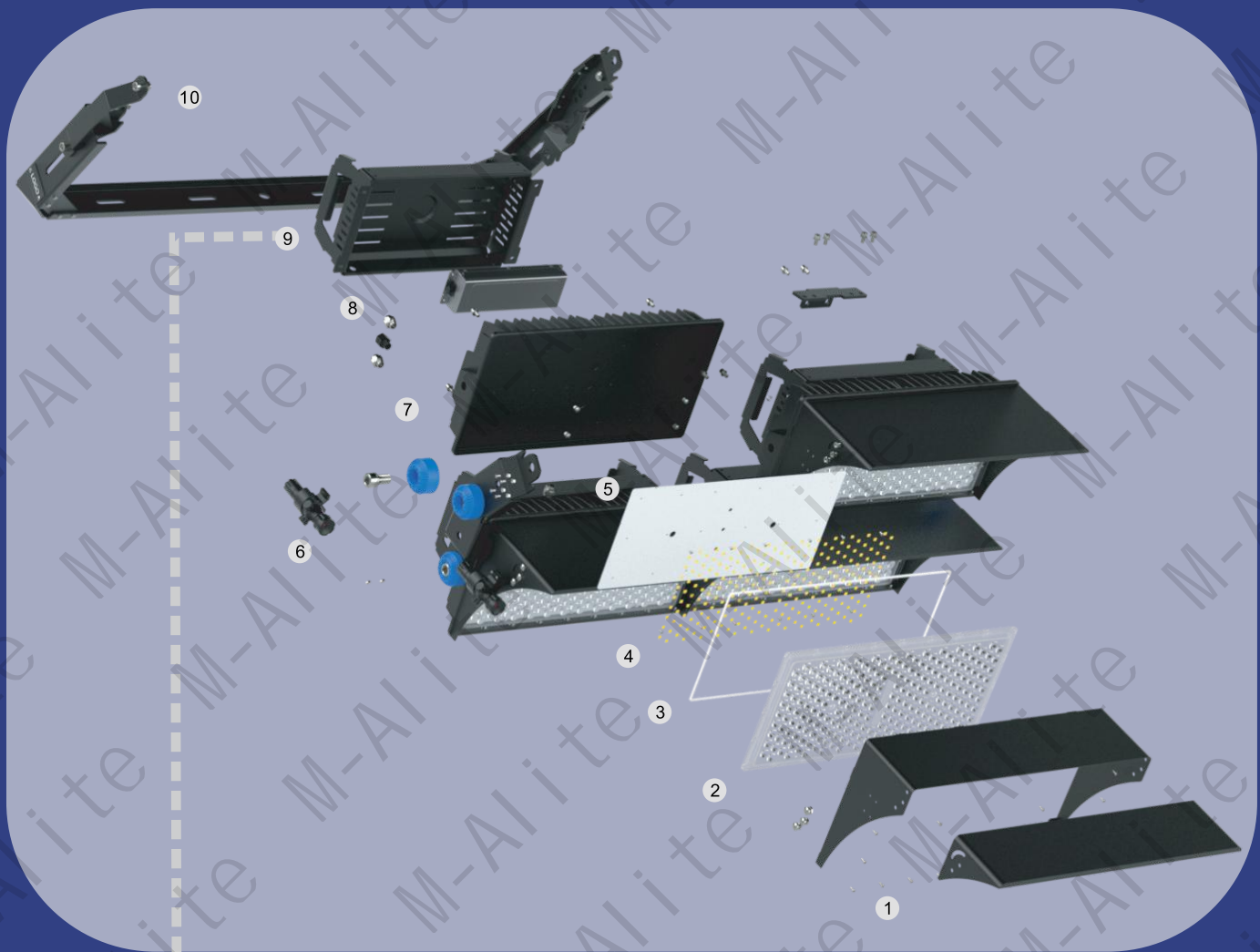
CAR PARKS



INDUSTRIAL HALLS & WAREHOUSES



AFL71 is a new type of module flood light fixture, which supports up to 8 modules, corresponding to 6 different powers from 500W to 4000W. It's designed to meet high-power requirements and ensure the best cost. AFL71 not only uses ADC12 die-casting aluminum heat sink, but also adopts the most advanced finite element heat dissipation technology to control lamp temperature and maintain ultra-high lumen rate. Its unique hood design can prevent light from scattering to the outside and eliminate light waste. It also uses laser positioning to accurately illuminate every corner. The lens is made of UV-resistant PC material, and a variety of lighting angles can be selected. AFL71 can be installed on the floor, ceiling, wall and pole. It's suitable for urban expressways, factories, schools, sport stadium, squares and other indoor and outdoor places.



- 1 Top cut canopy**
Prevent light from scattering to the sky and eliminate light waste.
- 2 Optical PC lens**
Non-yellowing material.
- 3 Silicone waterproof seal**
UV resistant material, reliable without failure.
- 4 3030 SMD LED**
- 5 High thermal conductivity aluminum substrate**
Fast heat dissipation, reduce light decay.
- 6 Laser locator**
- 7 ADC12 die-cast aluminum heat sink**
Efficiency up to 96W/M.K.
- 8 Cooling respirator design**
It can avoid the problem of seal failure caused by thermal expansion and contraction
- 9 External waterproof power supply**
On the special iron shell, no contact with the lamp body, thermoelectric separation, longer life
- 10 Strong stand**
More secure installation

Technical Data

Led Module

LED Chip Brand	Lumileds Cree Epistar plus
LED Chip Type	SMD3030 SMD5050
Luminous Efficacy	130LM/W-170LM/W
Color Rendering Index (RA)	> 70 80 90
Color Temperature	2400K 2700K 3000K 4000K 5000K
Beam Angle	15° 30° 45° 60°
Number Of Lens	A:1Pcs B:2 Pcs C:3Pcs D:4Pcs E:6Pcs F:8Pcs

Electrical Parameters

Power A	500W
Power B	1000W
Power C	1500W
Power D	2000W
Power E	3000W
Power F	4000W
Voltage	AC100-240V
Frequency	50/60Hz
Electrical 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 Sosen OEM
Power Factor	>0.9
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

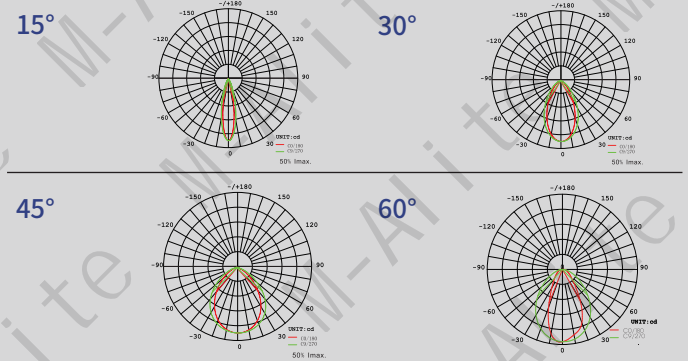
Materials and Properties

Material Of Shell	Aluminum (ADC12)
Material Of Lens	PC
Size 500W (mm)	563*313*413
Size 1000W (mm)	665*603*574
Size 1500W(mm)	665*885*811
Size 2000W (mm)	1166*603*573
Size 3000W (mm)	1166*885*811
Size 4000W (mm)	1166*1167*1049

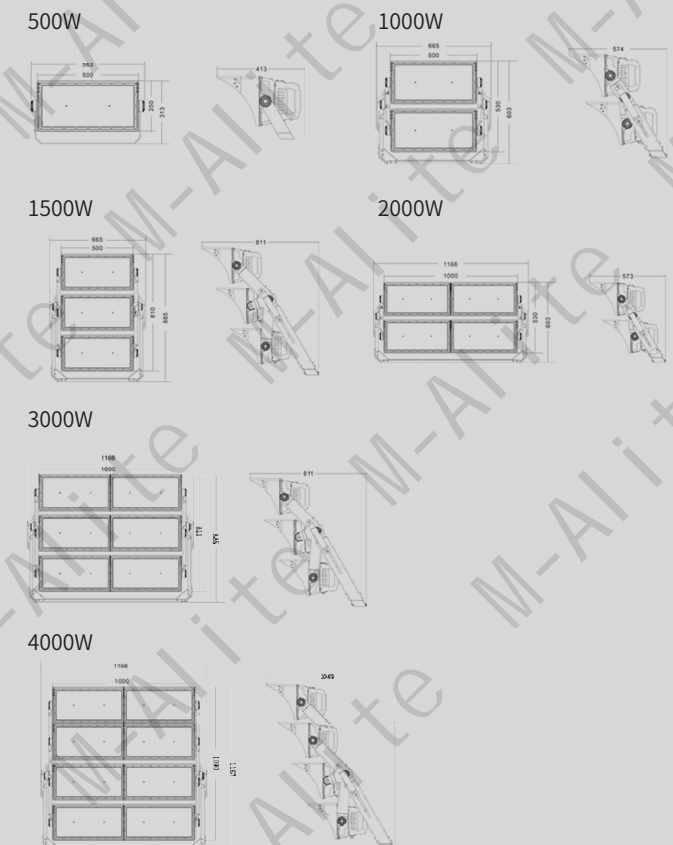
Tested according to

CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

Typical photometric features



Product Size

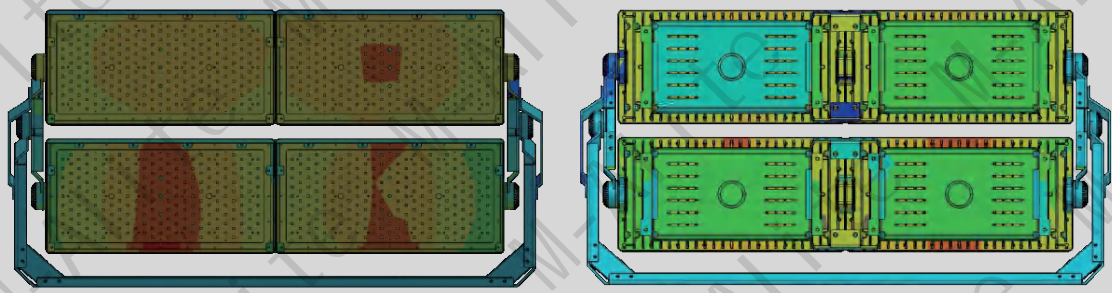


► Combination



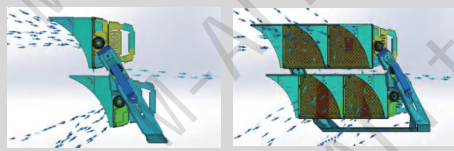
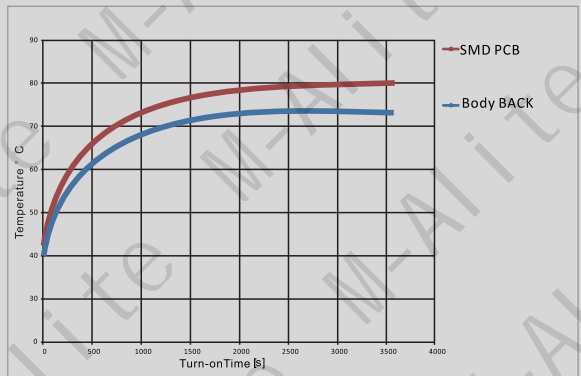
► Thermal Control Technology

Thermal Conductivity

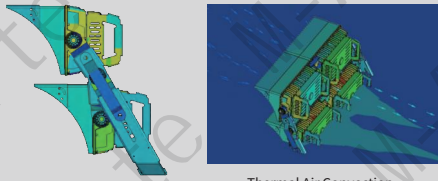


Unit: °C

Temperature-rise curve



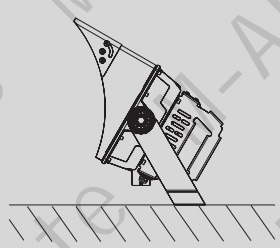
Thermal Effects to Air



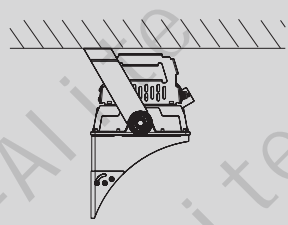
Thermal Air Convection

► Multiple installation methods

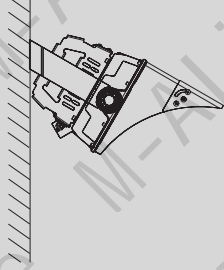
Floor Installation



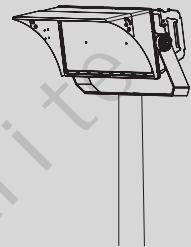
Ceiling Installation

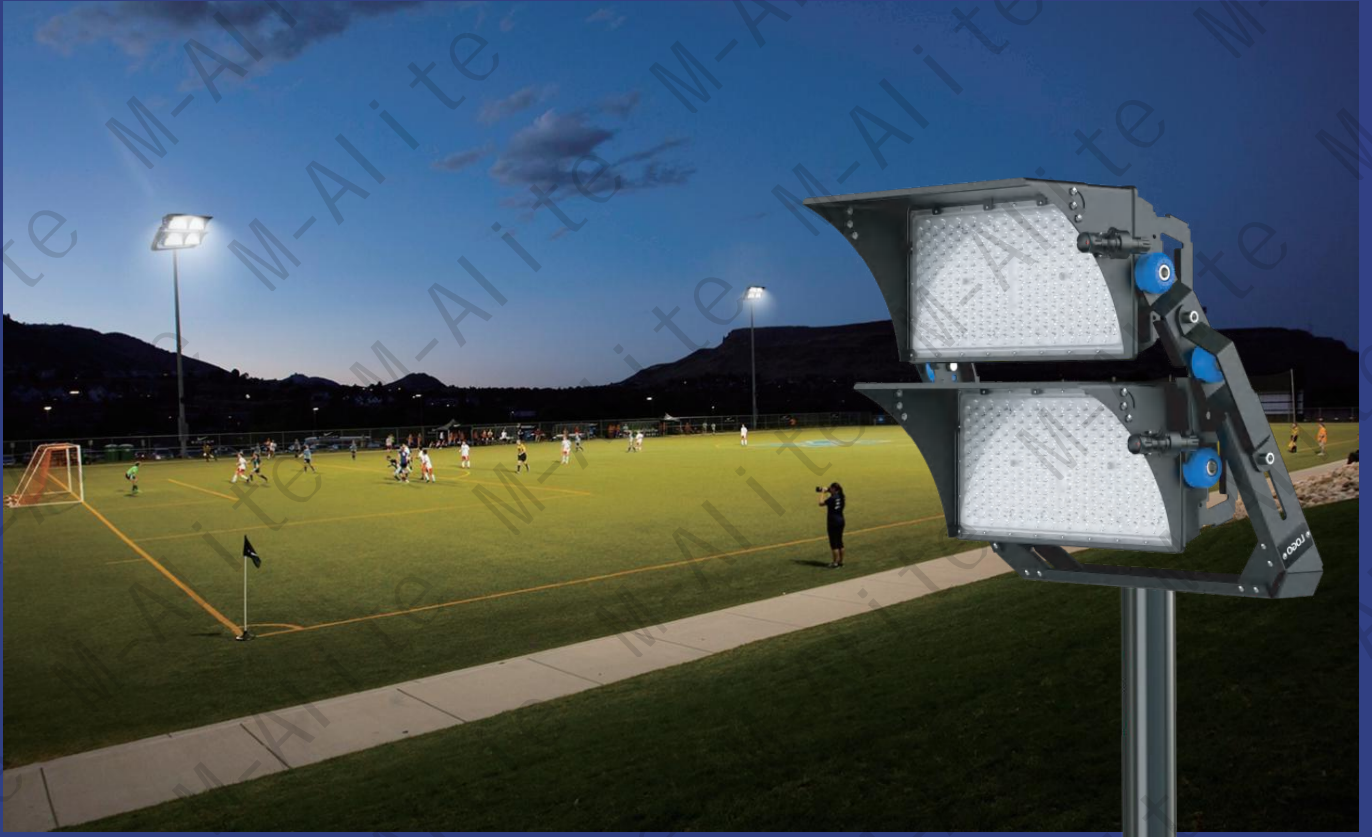


Suction Wall Installation



Post Installation





M-AIITE