

AFL50

CE ErP

MAIN APPLICATIONS



ROADS & MOTORWAYS



TUNNELS & UNDERPASSES



LARGE AREAS



SPORT FACILITIES



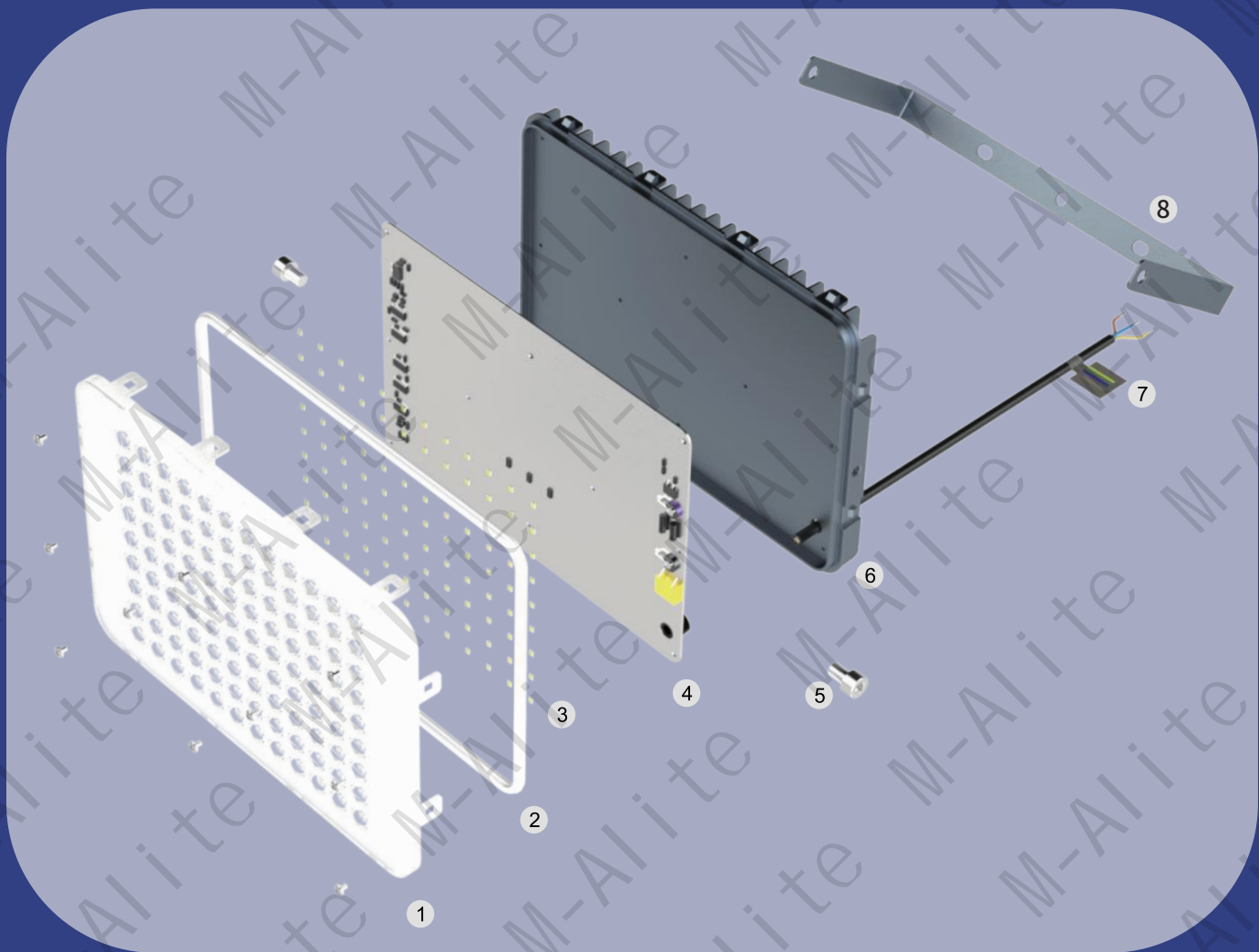
CAR PARKS



INDUSTRIAL HALLS & WAREHOUSES



AFL50 uses world famous brand LED chips to ensure high luminous efficiency and long-life span. The light color of our floodlight modules can be warm white, natural white, normal white and RGB options. We put ultra-white tempered glass panel over the LED beads to form sturdy and durable cover with high light transmittance and strong impact resistance. By emitting out through lens, the light is more directional, more flexible. Which gives LED modules longer life and low lumen maintenance cost. Moreover, IP65 with paint technique on lamp surface means strong corrosion resistance and it's suitable for harsh outdoor environments.



1 Japan technology PMMA Optical Lens.
Do NOT turn yellow.

2 UV-Proof Silica Gel.

3 Famous brand 2835 SMD LED.

OSRAM 

4 Highly thermal conductive
aluminum PCB

5 Stainless steel screw.

6 ADC12 Die-casting aluminum body
thermal efficiency up to 96w/m.k.

7 $3 \times 0.75\text{mm}^2 \times 300\text{mm}$ cable.

8 Re-enforced bracket for
safety installation.

Technical Data

Led Module

LED Chip Brand	Lumileds Cree Epistar plus
LED Chip Type	SMD2835 SMD3030
Luminous Efficacy	110LM/W
Color Rendering Index (RA)	> 70 80 90
Color Temperature	2400K 2700K 3000K 4000K 5000K
Beam Angle	90°
Number Of Lens	A:1Pcs B:2 Pcs C:3Pcs D:4Pcs E:6Pcs

Electrical Parameters

Power A	100W
Power B	200W
Power C	300W
Power D	400W
Power E	600W
Voltage	AC220-240V
Frequency	50/60Hz
Electrical Class	Class I Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP65
IK Grade	IK07
SPD	10KV 20KV (Optional)

Driver

Driver Type	Linear
Power Factor	>0.9
Performance	> 90%
IP Grade	IP20 to IP67
THD	< 15%

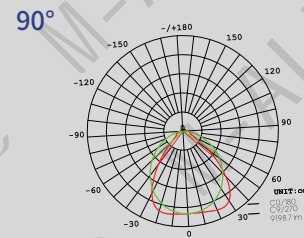
Materials and Properties

Material Of Shell	Aluminum (ADC12)
Material Of Lens	PC
Size 100W (mm)	290*198*25
Size 200W (mm)	310*416*25
Size 300W(mm)	310*614*25
Size 400W (mm)	590*420*25
Size 600W (mm)	590*620*25

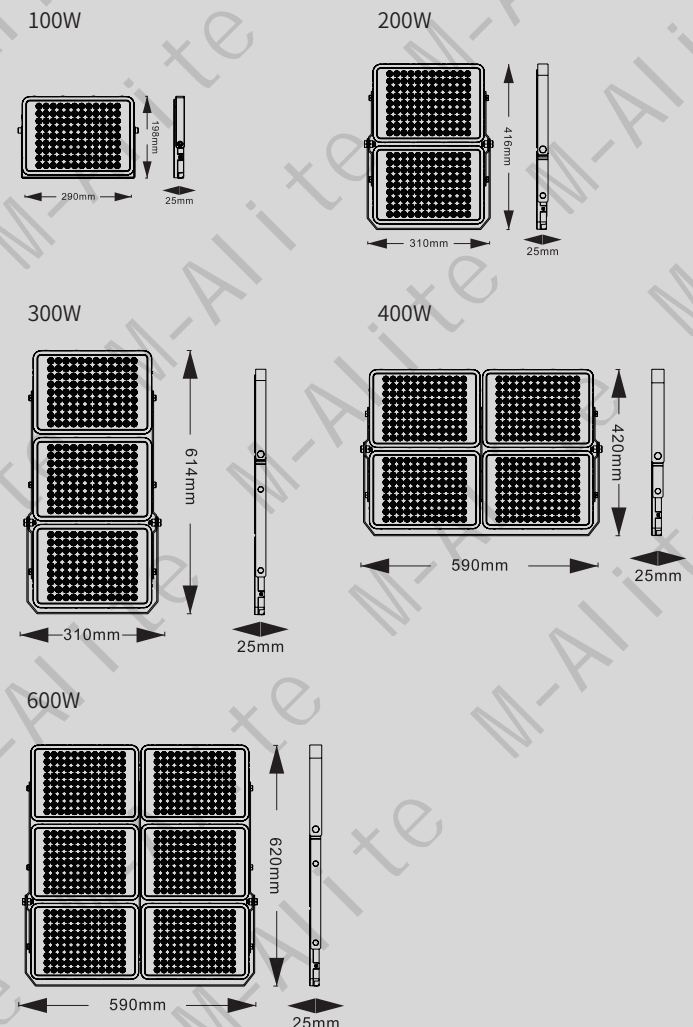
Tested according to

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

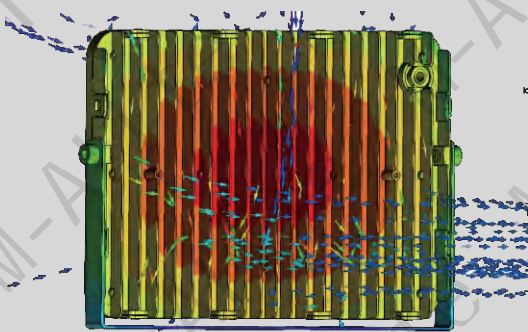


► Combination

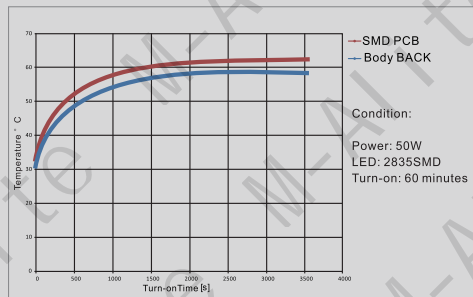
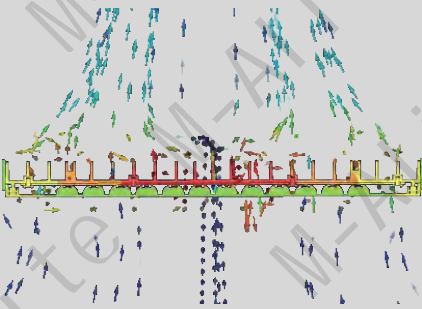
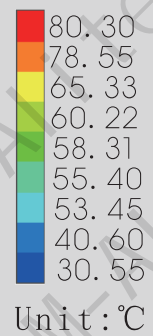
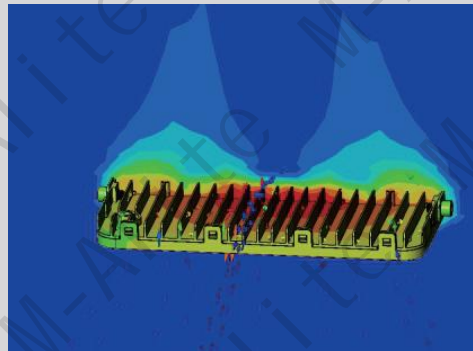


► Thermal Control Technology

Thermal Air Convection(sectional view)

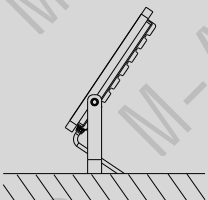


Thermal Air Flow(to environment)

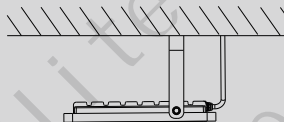


► Multiple installation methods

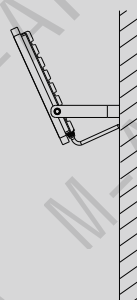
Floor Installation



Ceiling Installation



Suction Wall Installation



Post Installation





M-AIITE