

AFL84

LED Flood Light Series

CE ErP

MAIN APPLICATIONS



ROADS & MOTORWAYS



TUNNELS & UNDERPASSES



LARGE AREAS



INDUSTRIAL
HALLS &
WAREHOUSES



SPORT
FACILITIES



ACCENT &
ARCHITECTURAL

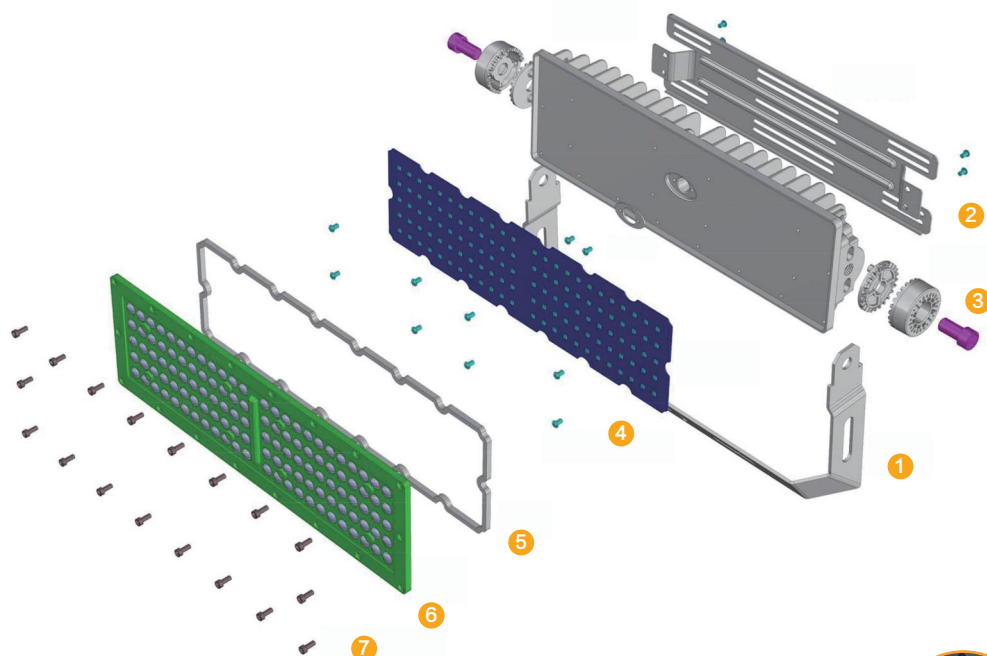


CAR PARKS



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

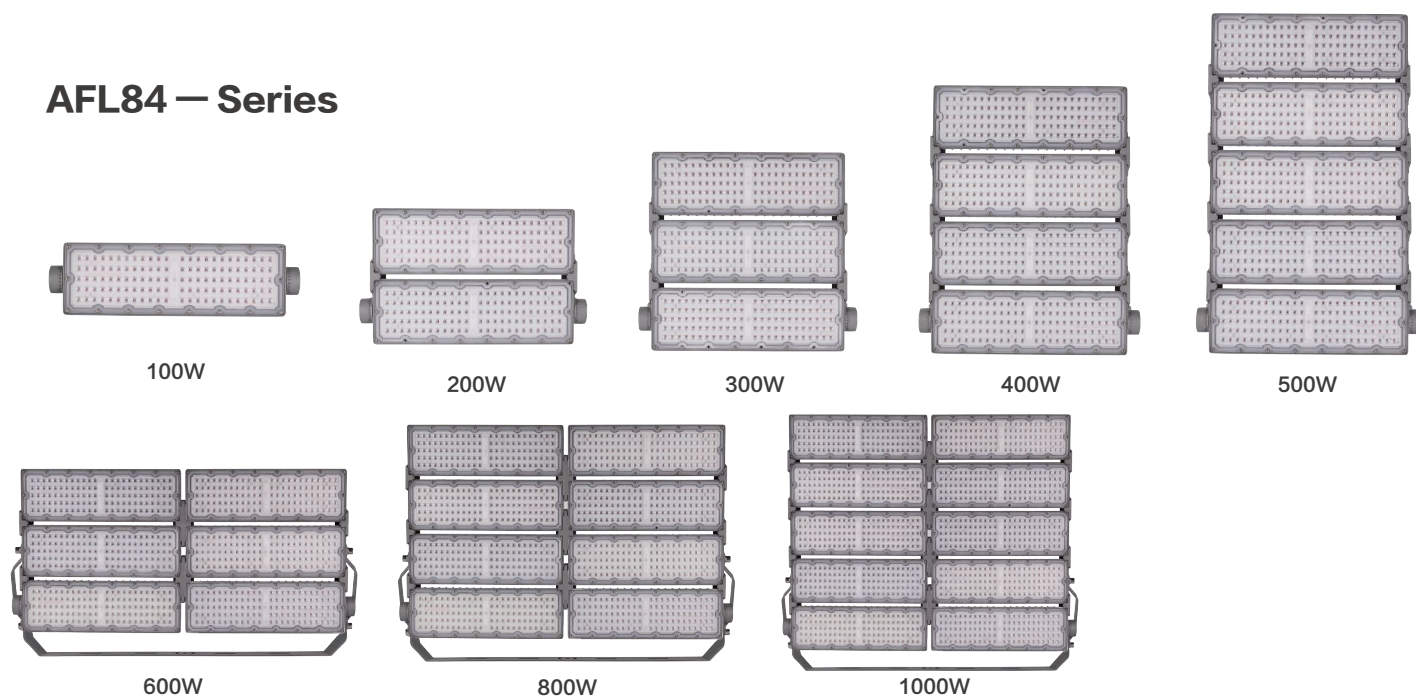


- 1 Support
- 2 Power supply
- 3 Screw
- 4 Highly thermal conductive aluminum PCB
- 5 Silica gel
- 6 Lens
- 7 Screw

Self-assembly



AFL84 — Series



AFL84 Technical Data

LED Chip Brand	Lumileds Cree Epistar plus
LED Chip Type	SMD3030
Luminous Efficacy	170LM/W
Color Rendering Index (RA)	> 70 80 90
Color Temperature	2700K-6500K
Beam Angle	30° 60° 90° 120°×50°
Number Of Leds	A:120 Pcs B:240 Pcs C:360 Pcs D:480Pcs E:600 Pcs F:720 Pcs G:960Pcs H:1200 Pcs
Life Time	100000 Hours

Electrical Parameters

Power A	100W
Power B	200W
Power C	300W
Power D	400W
Power E	500W
Power F	600W
Power G	800W
Power H	1000W
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 Sosen OEM
Power Factor	>0.90
Performance	> 90%
IP Grade	IP67
THD	<12%

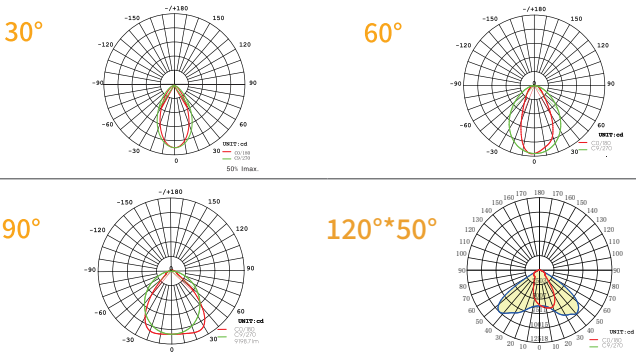
Materials and Properties

Material Of Shell	Aluminum (ADC12)
Material Of Lens	PC
Size 100W (mm)	338*140*51
Size 200W (mm)	338*245*51
Size 300W (mm)	338*350*51
Size 400W (mm)	338*455*51
Size 500W (mm)	338*560*51
Size 600W (mm)	660*368*165
Size 800W (mm)	660*473*165
Size 1000W (mm)	660*578*165

Tested according to

CE-LVD	EN 60598-2-3:2003+A1:2011 EN IEC 60598-1:2024 + A11:2024 EN IEC 62031:2020+A11:2021 EN 62262:2002+A1:2021 EN 62493:2015+A1:2022
CE-EMC	EN IEC 55015:2019+A11:2020: EN IEC 61547:2023 EN IEC 61000-3-2:2019+ A1: 2021+A2:2024: EN 61000-3-3:2013+A1:2019+A2:2021
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

