

INDUSTRIAL / OUTDOOR

LED Flood Light

WHY-FL28 Series

A premium LED floodlight covering 30W to 300W, delivering 150 LM/W efficacy from a die-cast ADC12 aluminium housing with toughened glass and a 100,000-hour rated lifespan. Six adjustable lens distributions, intelligent scheduled dimming and sensor control, and a flange base mounting system make it suited to architecture, industrial yards, and commercial outdoor environments.



KEY FEATURES



150LM/W High-Efficacy Output

Achieves 150LM/W luminous efficacy with a CRI of 80 for precise colour rendering and energy-efficient operation.



Six Adjustable Lens Distributions

Covers 30°, 60°, 90°, and three asymmetric Type distributions, accommodating narrow spot, flood, and road-style asymmetric illumination requirements.



100,000-Hour Rated Lifespan

Exceptionally long service life minimises replacement intervals and reduces long-term maintenance costs.



Dedicated Per-Range Radiators

Four private-mould heat sink designs, each sized to its power range, balance thermal performance and cost-effectiveness across all configurations.



Intelligent Dimming & Sensor Control

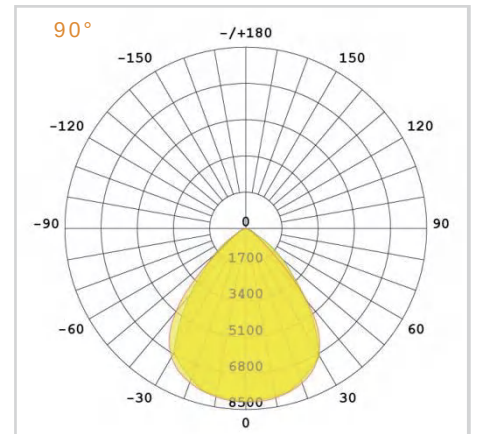
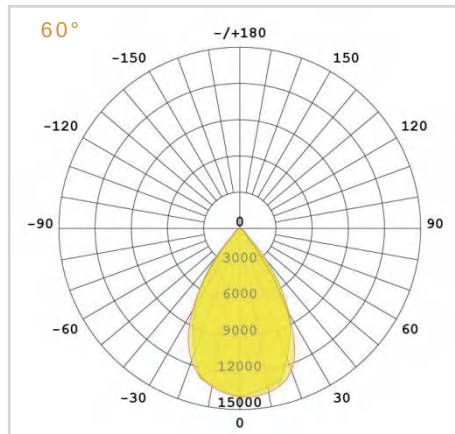
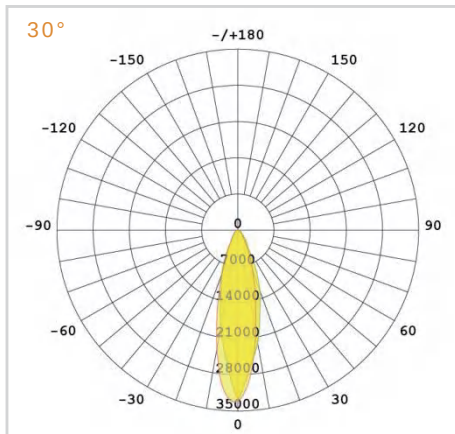
Supports scheduled dimming (timing-DIM) and passive sensor functions for automated, energy-saving lighting management.

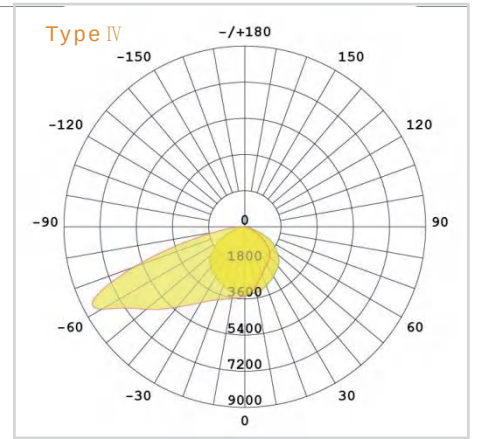
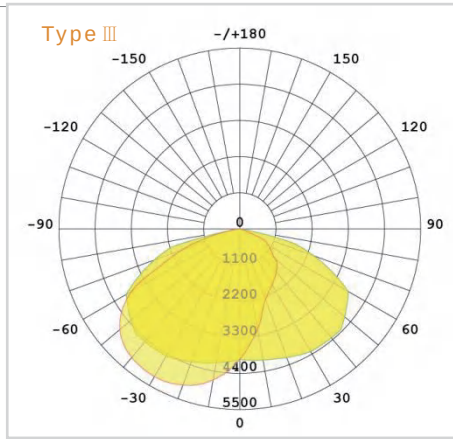
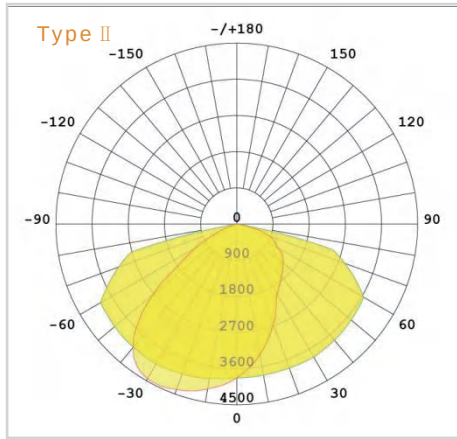


Flange Base Mounting

Rigid flange base design provides a firm, reliable installation platform suited to poles, walls, and structural mounting points.

BEAM DISTRIBUTION





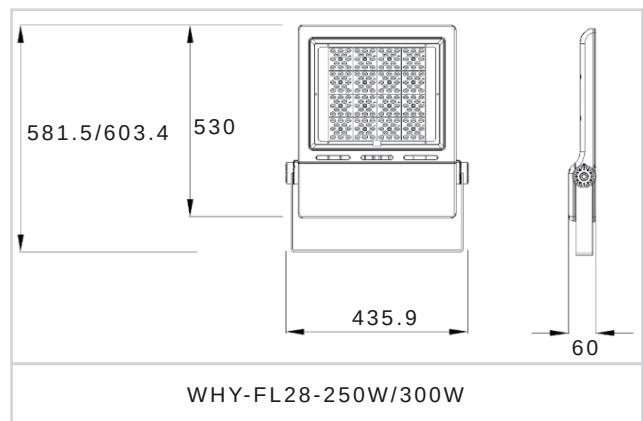
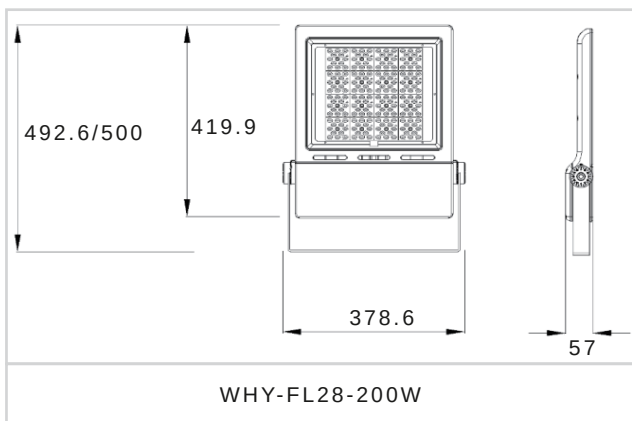
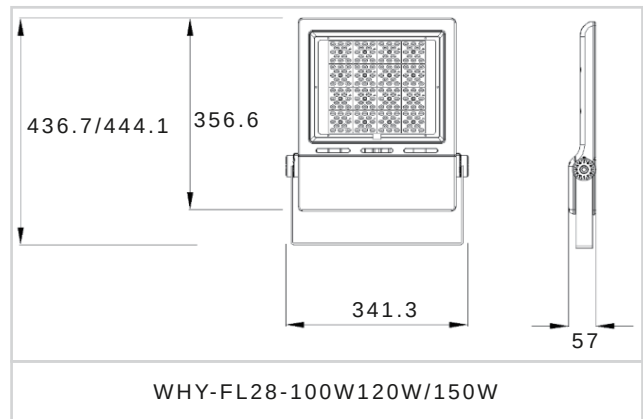
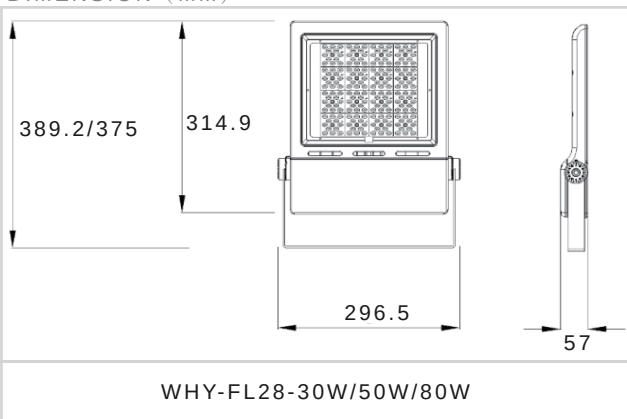
MODEL VARIANTS

Mode	Wattage	Luminous Efficacy	Size
WHY-FL28-30W	30W	150lm/W	315*297*57mm
WHY-FL28-50W	50W	150lm/W	315*297*57mm
WHY-FL28-80W	80W	150lm/W	315*297*57mm
WHY-FL28-100W	100W	150lm/W	357*341*57mm
WHY-FL28-120W	120W	150lm/W	357*341*57mm
WHY-FL28-150W	150W	150lm/W	357*341*57mm
WHY-FL28-200W	200W	150lm/W	420*379*57mm
WHY-FL28-250W	250W	150lm/W	603*436*60mm
WHY-FL28-300W	300W	150lm/W	603*436*60mm

TECHNICAL SPECIFICATIONS

CCT	3000K/4000K/5000K/5700K/6500K
CRI	Ra≥80
Input Voltage	85-265 VAC
Housing Color	Gray/Black
Housing Material	Aluminum(ADC12), lens+temper glass
Operating Temperature	-30°C to +45°C
IP Level	IP65
Lifespan	100,000 hours
Warranty	5years

DIMENSION (MM)



APPLICATION PLACES

- Architecture
- Industrial area
- Factory
- Gym
- Garden
- Sea port