

INDUSTRIAL / Street Light

LED Street Light

WHY-SL48 Series

A high-performance LED street light built for demanding outdoor environments. Its thickened die-cast aluminium housing with IP66-rated dual sealing resists rain, snow, and UV exposure, while premium LED modules and intelligent drivers deliver 150-170lm/W luminous efficacy. Stable across -30°C to +45°C, the WHY-SL48 suits streets, parks, highways, and public infrastructure. Five housing configurations cover 30W to 300W, and a tool-free maintenance design keeps installation and servicing straightforward.



KEY FEATURES



Ultra-thin optical design

The slim, lightweight housing minimises light obstruction while incorporating a built-in gradient lens that delivers broad, uniform road illumination.



Dual-Compartment Architecture

The driver and light source are housed in independent sealed compartments for safe and efficient operation. A tool-free buckle-lock system simplifies maintenance and servicing.



IP66+IK08 double protection

Double-sealed with a precision lens and toughened glass, the luminaire is fully rated for dust ingress, water ingress, and mechanical impact, ensuring reliable performance in the most demanding outdoor environments.



High-efficiency energy-saving

Premium-grade LEDs and drivers deliver a luminous efficacy of 150-170 lm/W, significantly reducing energy consumption without compromising light quality.



Comprehensive Power Range

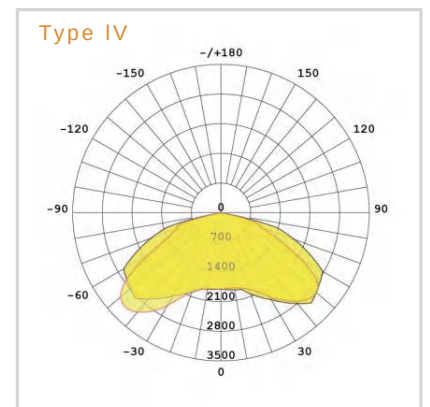
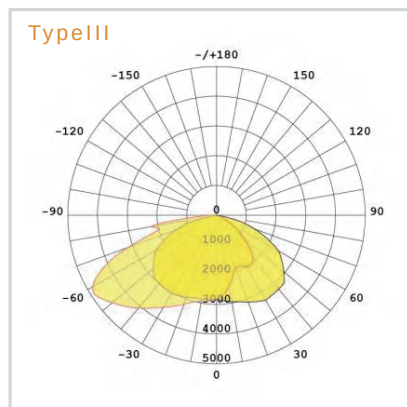
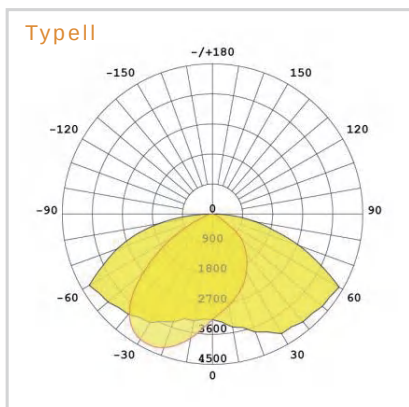
Five housing configurations cover power ratings from 30W to 300W, providing a complete solution for diverse road and infrastructure lighting requirements.



Adjustable Mounting System

The aerodynamically curved housing resists dust accumulation and provides a natural self-cleaning effect. A $\pm 15^\circ$ adjustable mounting bracket accommodates varying installation angles and pole configurations.

BEAM DISTRIBUTION



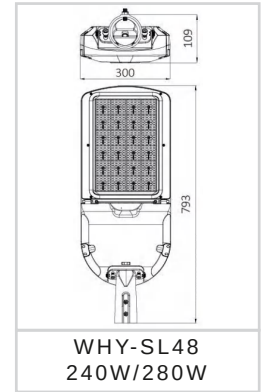
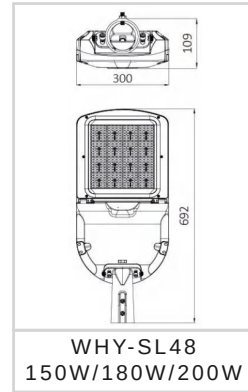
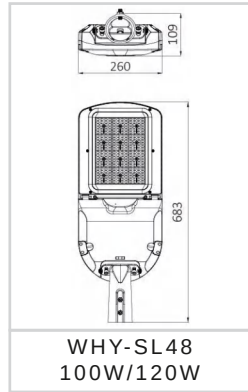
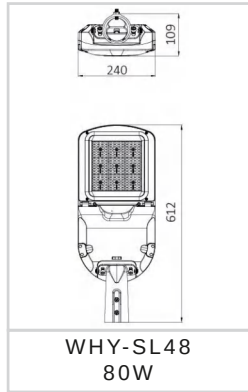
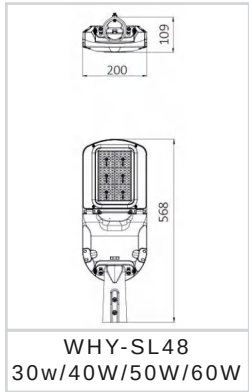
MODEL VARIANTS

Mode	Wattage	Luminous Efficacy	Size
WHY-SL48-30W	30W	160lm/W	568*200*109mm
WHY-SL48-40W	40W	160lm/W	568*200*109mm
WHY-SL48-50W	50W	160lm/W	568*200*109mm
WHY-SL48-60W	60W	160lm/W	568*200*109mm
WHY-SL48-80W	80W	160lm/W	612*240*109mm
WHY-SL48-100W	100W	160lm/W	683*260*109mm
WHY-SL48-120W	120W	160lm/W	683*260*109mm
WHY-SL48-150W	150W	160lm/W	692*300*109mm
WHY-SL48-180W	180W	160lm/W	692*300*109mm
WHY-SL48-200W	200W	160lm/W	692*300*109mm
WHY-SL48-240W	240W	160lm/W	793*300*109mm
WHY-SL48-280W	280W	160lm/W	793*300*109mm

TECHNICAL SPECIFICATIONS

CCT	3000K/4000K/5000K/5700K/6500K
CRI	Ra ≥ 70
PF	> 0.9
Input Voltage	100-277VAC
Housing Color	Light grey
Housing Material	Aluminum(ADC12), lens+temper glass
Lens	TypeII /TypeIII /TypeIV
Operating Temperature	-30°C to +45°C
IP Level	IP66
Lifespan	50,000 hours
Warranty	5years

DIMENSION (MM)



APPLICATION PLACES

- Street
- Road
- Stadium
- Highway
- Bridge
- Sport yard
- Parking