

INDUSTRIAL / HIGH BAY

# LED Flood Light

WHY-FL24 Series

A slim, high-performance LED floodlight covering 10W to 200W, delivering up to 150LM/W from an ultra-thin die-cast ADC12 aluminium housing with toughened glass. Its intelligent respiratory protection system, G-type tool-free buckle installation, and ergonomic adjustable bracket make it a practical, low-maintenance solution for architecture, industrial facilities, and commercial outdoor environments.



KEY FEATURES



**Large-Format PCB Compatibility**

Supports large-sized PCBs accommodating a high LED bead count, enabling flexible brightness and power configurations across the full range.



**Ultra-Thin Heat Dissipation Structure**

Die-cast ultra-thin housing with efficient thermal conduction keeps the fixture lightweight and durable for long-term stable operation.



**Intelligent Respiratory Protection**

Built-in pressure-balancing respiratory system provides dual anti-condensation protection, preventing moisture ingress and extending service life.



**Tool-Free G-Type Buckle Installation**

Screw-free G-type buckle clamp enables one-step installation and maintenance without tools, saving time and reducing on-site labour.



**Ergonomic Adjustable Stand**

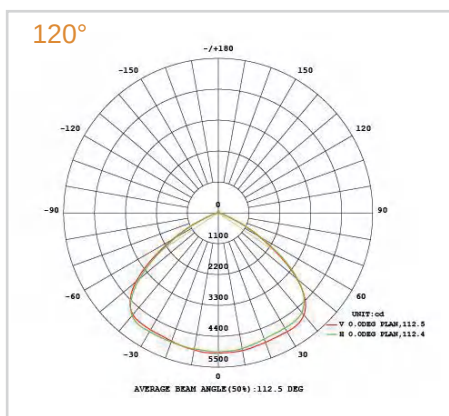
Articulated mounting stand supports a wide range of installation angles, adapting easily to varied mounting conditions and aiming requirements



**150 lm/w High-Efficiency Output**

Achieves 150LM/W efficacy (140LM/W for 10W model) for significant long-term energy savings across all power configurations.

BEAM DISTRIBUTION



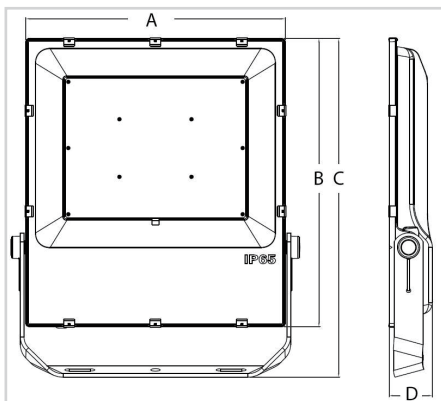
MODEL VARIANTS

Mode	Wattage	Luminous Efficacy	Size
WHY-FL24-10W	10W	140lm/W	116*140*31mm
WHY-FL24-20W	20W	150lm/W	152*190*40mm
WHY-FL24-30W	30W	150lm/W	167*200*40mm
WHY-FL24-50W	50W	150lm/W	220*265*47mm
WHY-FL24-100W	100W	150lm/W	295*345*53mm
WHY-FL24-120W	120W	150lm/W	330*365*53mm
WHY-FL24-150W	150W	150lm/W	360*400*53mm
WHY-FL24-200W	200W	150lm/W	360*400*53mm

TECHNICAL SPECIFICATIONS

CCT	3000K/4000K/5000K/5700K/6500K
CRI	Ra≥70
Input Voltage	100-277 VA
Housing Color	Black
Housing Material	Aluminum(ADC12), Tempered Glass
Operating Temperature	-30°C to +55°C
IP Level	IP65
Lifespan	50,000 hours
Warranty	5years

DIMENSION (MM)



WHY-FL24-10W	A:116 B:140 C:166 D:31
WHY-FL24-20W	A:152 B:190 C:217 D:40
WHY-FL24-30W	A:167 B:200 C:227 D:40
WHY-FL24-50W	A:220 B:265 C:310 D:47
WHY-FL24-100W	A:295 B:345 C:402 D:53
WHY-FL24-120W	A:330 B:365 C:430 D:53
WHY-FL24-150W/200W	A:360 B:400 C:470 D:53

APPLICATION PLACES

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Architecture

Industrial area

Factory

Gym

Garden

Sea port