



LED HIGH BAY LIGHT

S2-UFO Series

100–240W · Product Specification V1.0



Product Characteristics

High-strength die-cast aluminum housing, outdoor-grade powder coated.

Reflective optical design improves light utilization and distribution.

Mercury-free light source; no UV or IR emission per source brochure.

Instant start, flicker-free performance and wide AC voltage range.

Air-channel heatsink optimizes thermal performance and reduces overall weight.

LED lifespan: over 50,000 hours at Ta 30°C (L70).

Smooth, low-dust design; ingress protection requires final confirmation.

Structure

Housing	ADC12 die-cast aluminum
Surface Finish	Outdoor-grade powder coating
Lens	PC, transmittance >90%
Dimensions	Ø320 × H188 mm
LED Life	>50,000 h (Ta 30°C, L70)
Protection	IP65 ²
Operating Temp.	–40°C to +50°C (20–90% RH)
Storage Temp.	–45°C to +55°C (10–90% RH)

Electronic & Lumen

Input	AC 100–277 V / 50–60 Hz
Power Factor	91% ³
LED Brand	Lumileds 2835
Efficacy	165 ± 5 lm/W
CRI	>70 (>80, >90 optional)
CCT	3000 / 4000 / 5000 / 6000 K
Beam Angle	60° / 90° / 120°
Dimming	0–10V / PWM / microwave sensor

Model Configuration

Model	LY-S2-100	LY-S2-120	LY-S2-150	LY-S2-200	LY-S2-240
Power	100W	120W	150W	200W	240W
Luminous Flux	16,500lm	19,800lm	24,750lm	33,000lm	39,600lm
LED Quantity	280 pcs	280 pcs	336 pcs	448 pcs	532 pcs
Net Weight	2.8kg	2.8kg	2.9kg	3.4kg	3.5kg
Gross Weight	3.6kg	3.6kg	3.7kg	4.2kg	4.3kg

Packaging

Carton Size	360 × 360 × 190 mm, 100–240W
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Control & Sensors

Dimming	0–10V / PWM
Sensor Options	Microwave / PIR / daylight
Wireless	Bluetooth shown; Wi-Fi / Zhaga on cover

Product Images



Front / Light-emitting Surface



Rear / Heatsink Assembly

Optics / Control / Rating

OPTICS

60° · 90° · 120°

PC lens · UGR <23*

CONTROL

0–10V / PWM

Bluetooth · optional sensors

RATING

IP65²

Source text also cites IP66

LED

LM80

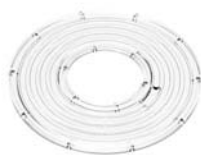
Source brochure marking

Product Details



Heatsink

Air-channel convection for efficient cooling.



Optical Lens

60° / 90° / 120°; transmission >90%.



Sensor Module

Microwave / PIR / daylight options.



Mounting Bracket

U-bracket for fixed installation.



Safety Cable

Secondary mechanical fall protection.

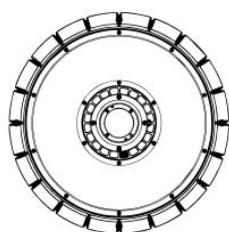
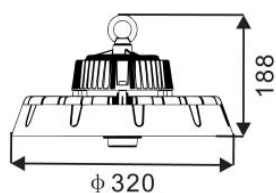


Smart Control

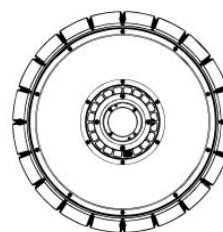
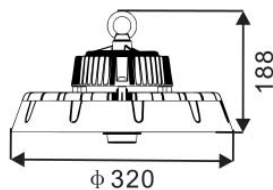
Bluetooth smartphone control shown.

Dimension Drawing (Unit: mm)

100W/120W/150W

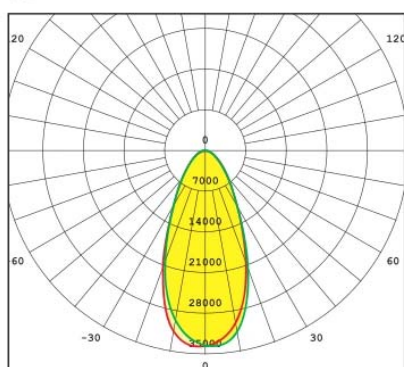


200W/240W

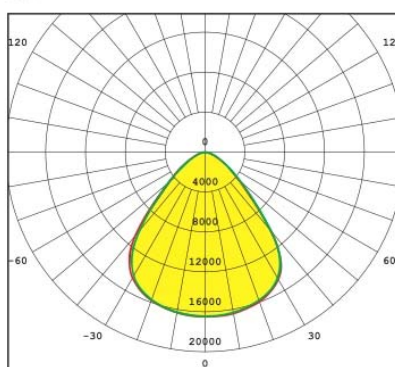


Light Distribution

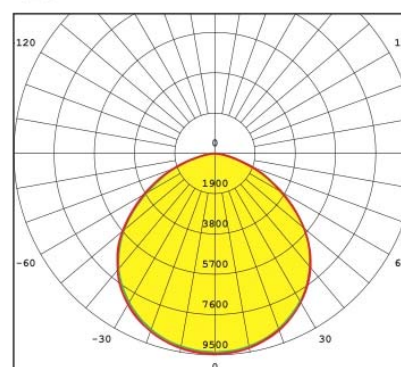
60°



90°



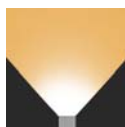
120°



Beam Angle Options



60°



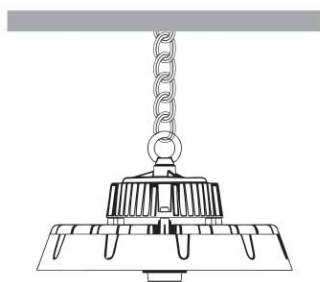
90°



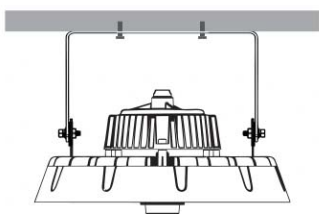
120°

Illustration assets: TPK beam-angle library. Polar photometric plots above are from the original S2-UFO specification.

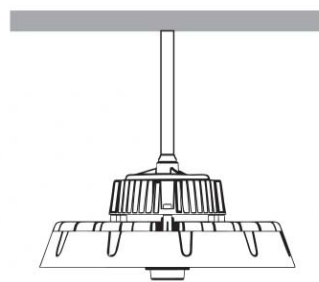
Mounting Options



Suspension



Wall Mount



Pipe Mount

Optional Accessories



Remote Control



Sensor Base



PIR Sensor



Microwave Sensor



Safety Cable



Surge Protector



DIP-Switch CCT



U-Bracket

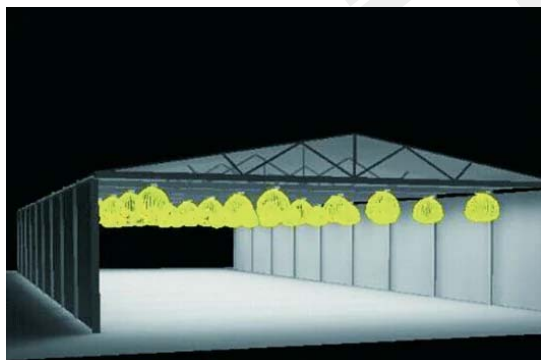


3/4-inch Pipe Thread

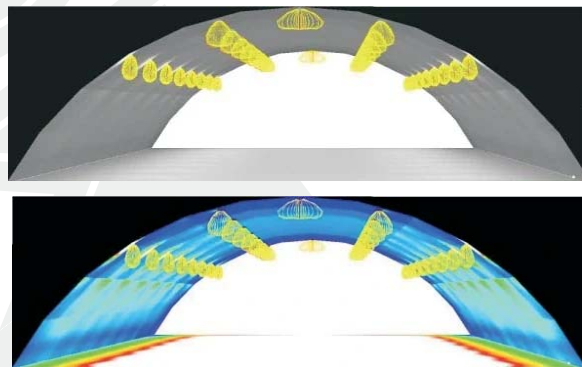


PC Cover

Optical Simulation



Warehouse installation study



Specification Notes

1. Source luminous-flux line is marked "(+5%)"; figures are shown unchanged.
2. Ingress-protection discrepancy in source: Product Parameters lists **IP65**, while features and a further icon refer to **IP66**. Verify before publication.
3. The original source lists power factor as **91%**; retained as supplied. Wireless functions and accessories are configuration-dependent.
4. All diagram values and images are sourced from the original S2-UFO English specification V1.0.