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E-ABLE POWER / HIGH MAST / SKYWING

SKYWING SF07

Sports & High Mast Light · 400–1800 W · IP66 / IK08

SKYWING SF07 is a sports and high-mast LED light family documented from 400W to 1800W in eight models, with symmetric 10°, 15°, 25°, 45°, 60° and 90° optics plus a professional asymmetric 60° distribution.

The family uses a die-cast ADC12 housing with corrosion-resistant treatment, a polycarbonate lens and 4mm tempered glass for coastal areas, AC100-277V input, an IP66 / IK08 enclosure and 10-20KV surge protection.



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KEY FEATURES

01

400W–1800W range — Eight documented models for large-area sports and high-mast applications.

Racked angle & glass — Adjustable bracket with degree indicator and 4mm tempered glass option.

Seven optics — 10°, 15°, 25°, 45°, 60°, 90° and asymmetric 60° distributions.

IP66 / IK08 — Documented environmental and impact rating plus 10-20KV surge protection.

MODEL RANGE

Ordering code	Rated power	Luminous flux	Fixture size
ISL-QCD-G400W	400 W	60,000 lm	718 × 214 × 222 mm
ISL-QCD-G500W	500 W	75,000 lm	732 × 439 × 290 mm
ISL-QCD-G600W	600 W	90,000 lm	732 × 439 × 290 mm
ISL-QCD-G800W	800 W	120,000 lm	732 × 439 × 290 mm
ISL-QCD-G1000W	1000 W	150,000 lm	732 × 439 × 290 mm
ISL-QCD-G1200W	1200 W	180,000 lm	732 × 666 × 290 mm
ISL-QCD-G1500W	1500 W	225,000 lm	732 × 666 × 290 mm
ISL-QCD-G1800W	1800 W	270,000 lm	732 × 666 × 290 mm

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TECHNICAL DATA

02

Values are reproduced from the series data; options are confirmed on the order.

Model	QCD-G400W	QCD-G500W	QCD-G600W	QCD-G800W
Electrical & light source				
Rated power	400 W	500 W	600 W	800 W
Input voltage	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz
LED brand	Lumileds / Osram	Lumileds / Osram	Lumileds / Osram	Lumileds / Osram
Driver / control	1-10V, DALI	1-10V, DALI	1-10V, DALI	1-10V, DALI
Surge protection	10-20 kV	10-20 kV	10-20 kV	10-20 kV
Photocell	Yes	Yes	Yes	Yes
Optical performance				
CCT	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K
Beam angle	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°
CRI	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)
Luminous flux	60,000 lm	75,000 lm	90,000 lm	120,000 lm
Construction & dimensions				
Housing	Die-cast aluminum ADC12	Die-cast aluminum ADC12	Die-cast aluminum ADC12	Die-cast aluminum ADC12
Fixture size	718 × 214 × 222 mm	732 × 439 × 290 mm	732 × 439 × 290 mm	732 × 439 × 290 mm
Lens material	UV-resistant PC (94% transmittance)	UV-resistant PC (94% transmittance)	UV-resistant PC (94% transmittance)	UV-resistant PC (94% transmittance)
Glass	Tempered glass (optional)	Tempered glass (optional)	Tempered glass (optional)	Tempered glass (optional)
Operating, options & certification				
IP rating	IP66	IP66	IP66	IP66
IK rating	IK08	IK08	IK08	IK08
Life span	50,000 h	50,000 h	50,000 h	50,000 h
Certification	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS

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TECHNICAL DATA

Values are reproduced from the series data; options are confirmed on the order.

Model	QCD-G1000W	QCD-G1200W	QCD-G1500W	QCD-G1800W
Electrical & light source				
Rated power	1000 W	1200 W	1500 W	1800 W
Input voltage	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz
LED brand	Lumileds / Osram	Lumileds / Osram	Lumileds / Osram	Lumileds / Osram
Driver / control	1-10V, DALI	1-10V, DALI	1-10V, DALI	1-10V, DALI
Surge protection	10-20 kV	10-20 kV	10-20 kV	10-20 kV
Photocell	Yes	Yes	Yes	Yes
Optical performance				
CCT	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K
Beam angle	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°	10° / 15° / 25° / 45° / 60° / 90° / Asymmetric 60°
CRI	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)
Luminous flux	150,000 lm	180,000 lm	225,000 lm	270,000 lm
Construction & dimensions				
Housing	Die-cast aluminum ADC12	Die-cast aluminum ADC12	Die-cast aluminum ADC12	Die-cast aluminum ADC12
Fixture size	732 × 439 × 290 mm	732 × 666 × 290 mm	732 × 666 × 290 mm	732 × 666 × 290 mm
Lens material	UV-resistant PC (94% transmittance)	UV-resistant PC (94% transmittance)	UV-resistant PC (94% transmittance)	UV-resistant PC (94% transmittance)
Glass	Tempered glass (optional)	Tempered glass (optional)	Tempered glass (optional)	Tempered glass (optional)
Operating, options & certification				
IP rating	IP66	IP66	IP66	IP66
IK rating	IK08	IK08	IK08	IK08
Life span	50,000 h	50,000 h	50,000 h	50,000 h
Certification	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS

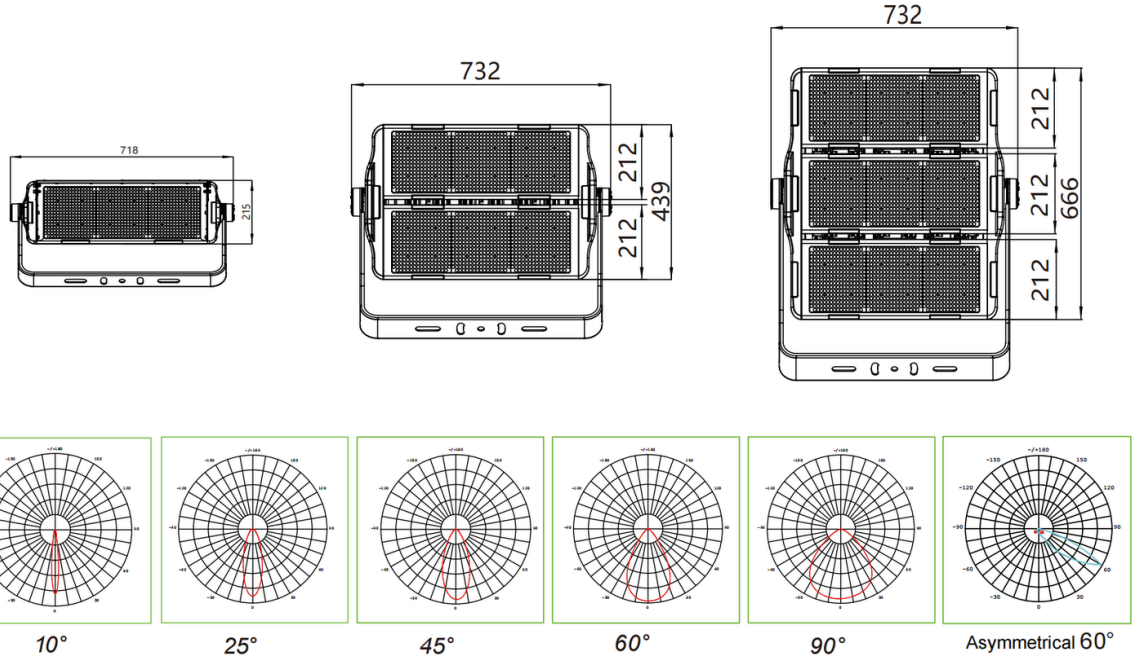
- Technical values are copied from the SKYWING SF07 Sports & High Mast Light series data; optics, CCT and control options are confirmed on the order.
- Beam angle, CCT, CRI and glass are options within one ordering code.
- Dimension drawings and polar plots are the supplier artwork, reproduced for this datasheet.
- Packing is described by method only; carton data is supplied with the shipping documents.

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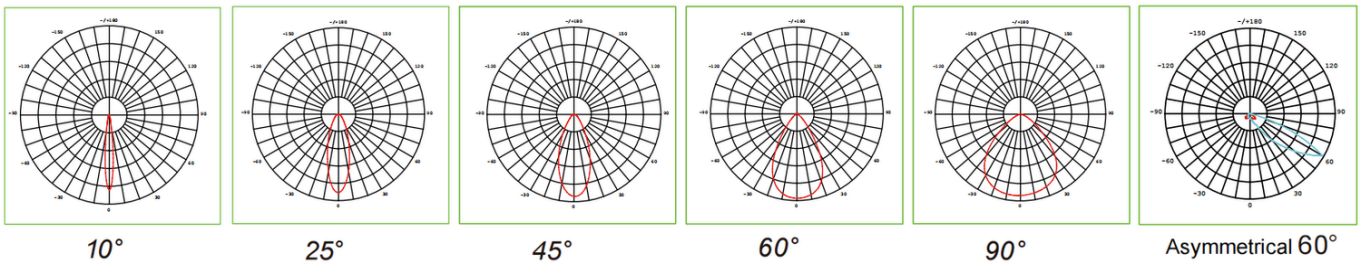
DIMENSIONS

04



Dimension · 718×214×222mm to 732×666×290mm

LIGHT DISTRIBUTION



Polar curves are reproduced from the factory photometric data; the IES file for the ordered optics is the reference.

Specifications are nominal and may change without notice. The contractual revision is the one confirmed in the order acknowledgement. Draft R02 for internal review.