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E-ABLE POWER / HIGH MAST / SKYWING

SKYWING SF02

Sports & High Mast Light · 400–1500 W · IP66 / IK08

SKYWING SF02 is a sports and high-mast LED light family documented from 400W to 1500W in six models, with 25°, 45°, 60° and 90° optical distributions and a 270° racked-angle bracket.

The family uses Lumileds chips, a UV-resistant polycarbonate optical lens (94% transmittance), AC100-277V input, an IP66 / IK08 enclosure and 10-20KV surge protection.



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KEY FEATURES

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400W–1500W range — Six documented models for large-area sports and high-mast applications.

270° racked angle — An adjustable mounting bracket with degree indicator for precise aiming.

Four optics — 25°, 45°, 60° and 90° distributions with published polar plots.

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

MODEL RANGE

Ordering code	Rated power	Luminous flux	Fixture size
ISL-QCD-B400W	400 W	56,000 lm	325 × 472 × 160 mm
ISL-QCD-B500W	500 W	70,000 lm	325 × 472 × 160 mm
ISL-QCD-B800W	800 W	112,000 lm	629 × 536 × 160 mm
ISL-QCD-B1000W	1000 W	140,000 lm	629 × 536 × 160 mm
ISL-QCD-B1200W	1200 W	168,000 lm	890 × 536 × 160 mm
ISL-QCD-B1500W	1500 W	201,600 lm	890 × 536 × 160 mm

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TECHNICAL DATA

02

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

Model	QCD-B400W	QCD-B500W	QCD-B800W	QCD-B1000W
Electrical & light source				
Rated power	400 W	500 W	800 W	1000 W
Input voltage	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz
LED brand	Lumileds	Lumileds	Lumileds	Lumileds
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	25° / 45° / 60° / 90°	25° / 45° / 60° / 90°	25° / 45° / 60° / 90°	25° / 45° / 60° / 90°
CRI	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)
Luminous flux	56,000 lm	70,000 lm	112,000 lm	140,000 lm
Construction & dimensions				
Housing	Cold-forged aluminum AL1070	Cold-forged aluminum AL1070	Cold-forged aluminum AL1070	Cold-forged aluminum AL1070
Fixture size	325 × 472 × 160 mm	325 × 472 × 160 mm	629 × 536 × 160 mm	629 × 536 × 160 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	ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS

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TECHNICAL DATA

03

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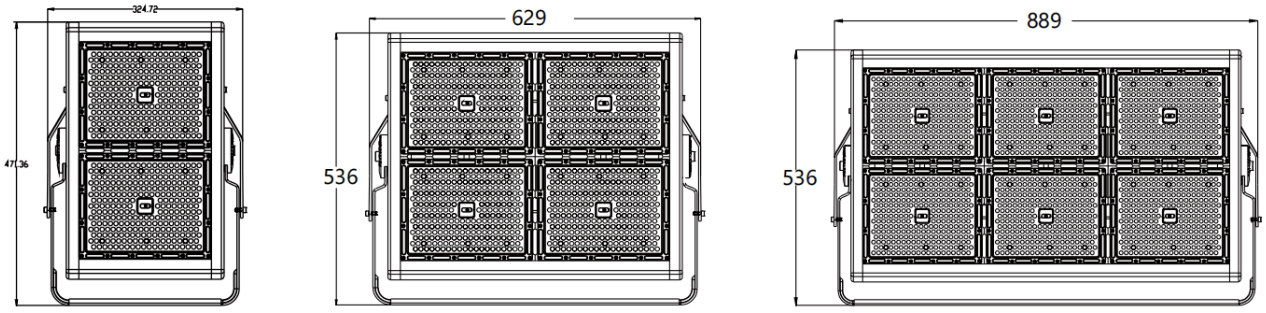
Model	QCD-B1200W	QCD-B1500W
Electrical & light source		
Rated power	1200 W	1500 W
Input voltage	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz
LED brand	Lumileds	Lumileds
Driver / control	1-10V, DALI	1-10V, DALI
Surge protection	10-20 kV	10-20 kV
Photocell	Yes	Yes
Optical performance		
CCT	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K
Beam angle	25° / 45° / 60° / 90°	25° / 45° / 60° / 90°
CRI	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)
Luminous flux	168,000 lm	201,600 lm
Construction & dimensions		
Housing	Cold-forged aluminum AL1070	Cold-forged aluminum AL1070
Fixture size	890 × 536 × 160 mm	890 × 536 × 160 mm
Lens material	UV-resistant PC (94% transmittance)	UV-resistant PC (94% transmittance)
Glass	Tempered glass (optional)	Tempered glass (optional)
Operating, options & certification		
IP rating	IP66	IP66
IK rating	IK08	IK08
Life span	50,000 h	50,000 h
Certification	ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS

- Technical values are copied from the SKYWING SF02 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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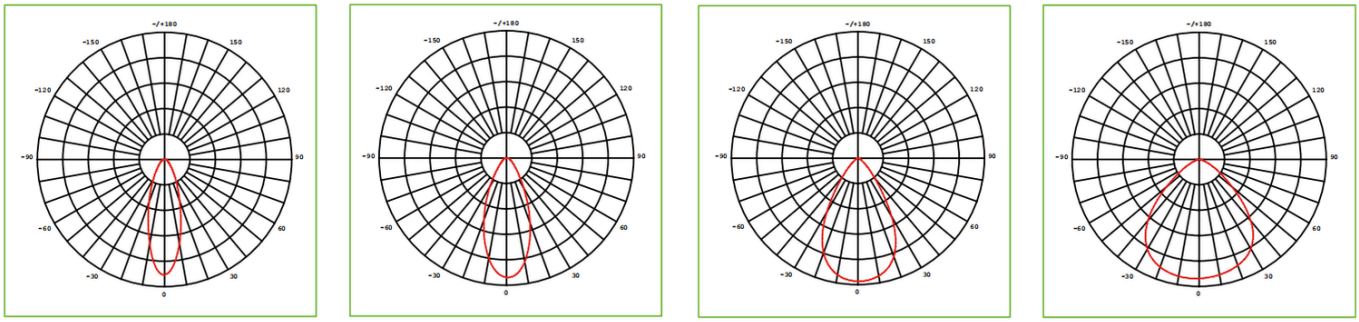
DIMENSIONS

04



Dimension · 325/629mm to 890mm housings

LIGHT DISTRIBUTION



25° 45° 60° 90°

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.