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E-ABLE POWER / HIGH MAST / SKYWING

SKYWING SF04

Sports & High Mast Light · 400–1200 W · IP66 / IK08

SKYWING SF04 is a sports and high-mast LED light family documented from 400W to 1200W in six models, with 10°, 25°, 45°, 60° and 90° optical distributions and a visor for spill-light control.

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



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KEY FEATURES

01

400W–1200W range — Six documented models for large-area sports and high-mast applications.

Five optics — 10°, 25°, 45°, 60° and 90° distributions.

Racked angle & visor — Widely adjustable mounting bracket with degree indicator and a light-spill visor.

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

MODEL RANGE

Ordering code	Rated power	Luminous flux	Fixture size
ISL-QCD-D400W	400 W	56,000 lm	493 × 439 × 421 mm
ISL-QCD-D500W	500 W	70,000 lm	493 × 439 × 421 mm
ISL-QCD-D600W	600 W	84,000 lm	493 × 439 × 421 mm
ISL-QCD-D800W	800 W	112,000 lm	651 × 586 × 511 mm
ISL-QCD-D1000W	1000 W	140,000 lm	651 × 586 × 511 mm
ISL-QCD-D1200W	1200 W	168,000 lm	651 × 586 × 511 mm

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TECHNICAL DATA

02

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

Model	QCD-D400W	QCD-D500W	QCD-D600W	QCD-D800W
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° / 25° / 45° / 60° / 90°	10° / 25° / 45° / 60° / 90°	10° / 25° / 45° / 60° / 90°	10° / 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	84,000 lm	112,000 lm
Construction & dimensions				
Housing	Die-cast aluminum ADC12	Die-cast aluminum ADC12	Die-cast aluminum ADC12	Die-cast aluminum ADC12
Fixture size	493 × 439 × 421 mm	493 × 439 × 421 mm	493 × 439 × 421 mm	651 × 586 × 511 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 / ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS

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TECHNICAL DATA

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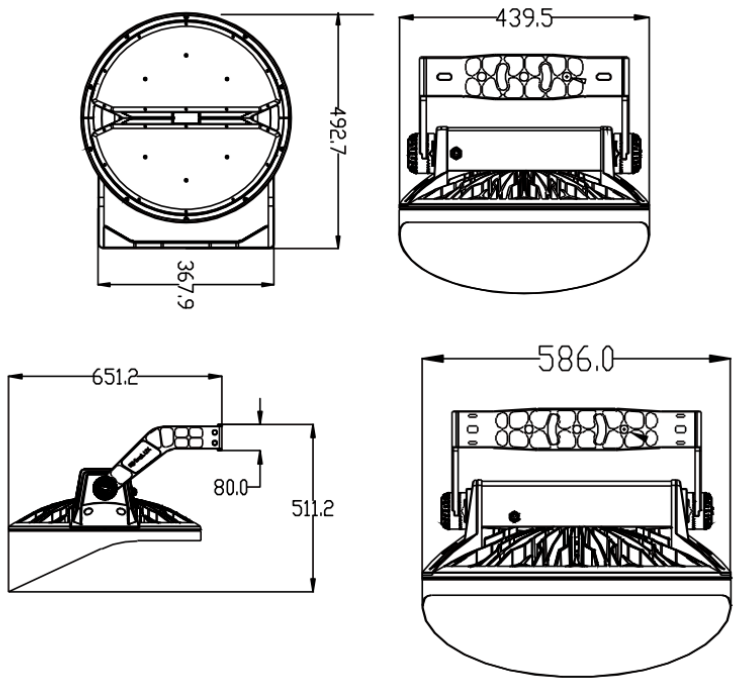
Model	QCD-D1000W	QCD-D1200W
Electrical & light source		
Rated power	1000 W	1200 W
Input voltage	AC100-277V, 50/60Hz	AC100-277V, 50/60Hz
LED brand	Lumileds / Osram	Lumileds / Osram
Driver / control	1-10V, DALI	1-10V, DALI
Surge protection	10-20 kV	10-20 kV
Photocell	Yes	Yes
Optical performance		
CCT	3000K / 4000K / 5000K / 5700K / 6500K	3000K / 4000K / 5000K / 5700K / 6500K
Beam angle	10° / 25° / 45° / 60° / 90°	10° / 25° / 45° / 60° / 90°
CRI	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)
Luminous flux	140,000 lm	168,000 lm
Construction & dimensions		
Housing	Die-cast aluminum ADC12	Die-cast aluminum ADC12
Fixture size	651 × 586 × 511 mm	651 × 586 × 511 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	UL / ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / ETL / CQC / CB / CE / ENEC / SAA / FCC / RoHS

- Technical values are copied from the SKYWING SF04 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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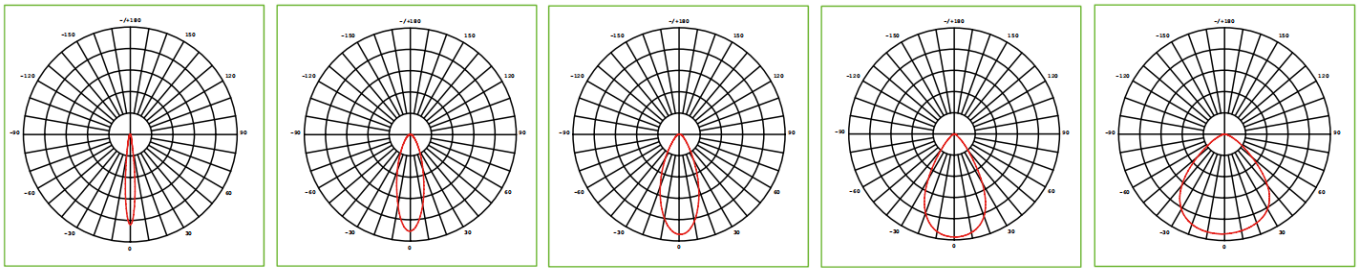
DIMENSIONS

04



Dimension · 493×439×421mm to 651×586×511mm

LIGHT DISTRIBUTION



10° 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.