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E-ABLE POWER / HIGH MAST / SKYWING

SKYWING SF05

Sports & High Mast Light · 200–1200 W · IP66 / IK08

SKYWING SF05 is a sports and high-mast LED light family documented from 200W to 1200W in six models, with 30°, 45°, 60°, 90°, 120×40×60° and 80×140° optical distributions.

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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200W–1200W range — Six documented models for large-area sports and high-mast applications.

Six optics — 30°, 45°, 60°, 90°, 120×40×60° and 80×140° distributions.

Die-cast ADC12 — Cast-aluminium housing with excellent thermal management.

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

MODEL RANGE

Ordering code	Rated power	Luminous flux	Fixture size
ISL-QCD-E200W	200 W	28,000 lm	159 × 490 × 140 mm
ISL-QCD-E400W	400 W	56,000 lm	315 × 490 × 155 mm
ISL-QCD-E600W	600 W	84,000 lm	428 × 490 × 155 mm
ISL-QCD-E800W	800 W	112,000 lm	555 × 490 × 155 mm
ISL-QCD-E1000W	1000 W	140,000 lm	668 × 490 × 155 mm
ISL-QCD-E1200W	1200 W	168,000 lm	776 × 490 × 155 mm

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TECHNICAL DATA

02

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

Model	QCD-E200W	QCD-E400W	QCD-E600W	QCD-E800W
Electrical & light source				
Rated power	200 W	400 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	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	30° / 45° / 60° / 90° / 120 × 40 × 60° / 80 × 140°	30° / 45° / 60° / 90° / 120 × 40 × 60° / 80 × 140°	30° / 45° / 60° / 90° / 120 × 40 × 60° / 80 × 140°	30° / 45° / 60° / 90° / 120 × 40 × 60° / 80 × 140°
CRI	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)	Ra ≥ 80 (70/90 optional)
Luminous flux	28,000 lm	56,000 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	159 × 490 × 140 mm	315 × 490 × 155 mm	428 × 490 × 155 mm	555 × 490 × 155 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

03

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

Model	QCD-E1000W	QCD-E1200W
Electrical & light source		
Rated power	1000 W	1200 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	30° / 45° / 60° / 90° / 120 × 40 × 60° / 80 × 140°	30° / 45° / 60° / 90° / 120 × 40 × 60° / 80 × 140°
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	668 × 490 × 155 mm	776 × 490 × 155 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 / CQC / CB / CE / ENEC / SAA / FCC / RoHS	UL / CQC / CB / CE / ENEC / SAA / FCC / RoHS

- Technical values are copied from the SKYWING SF05 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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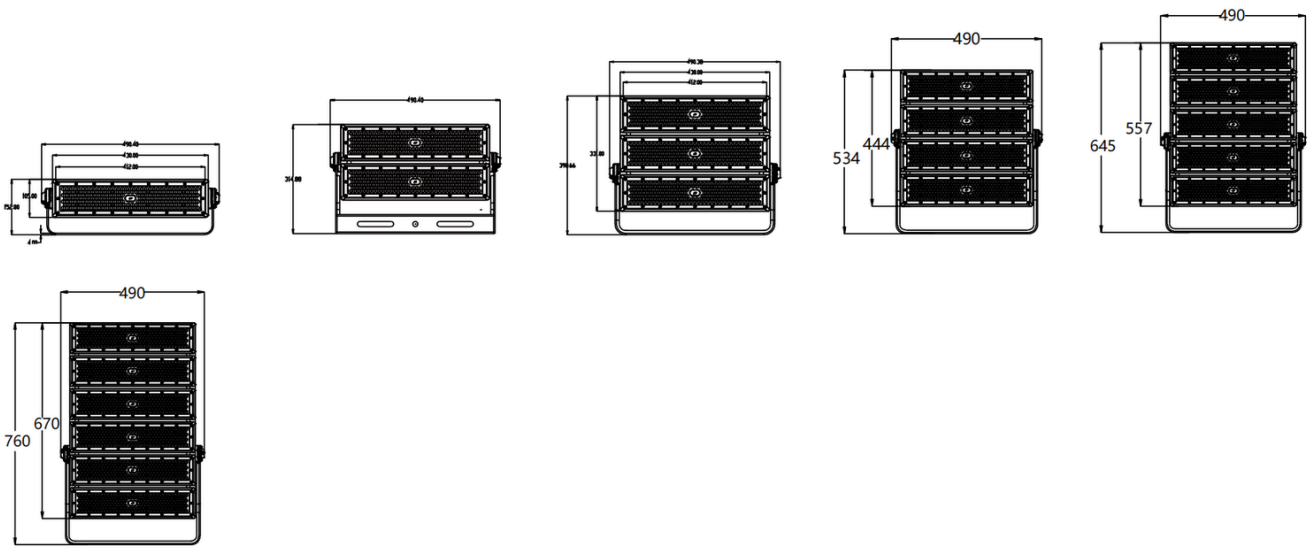
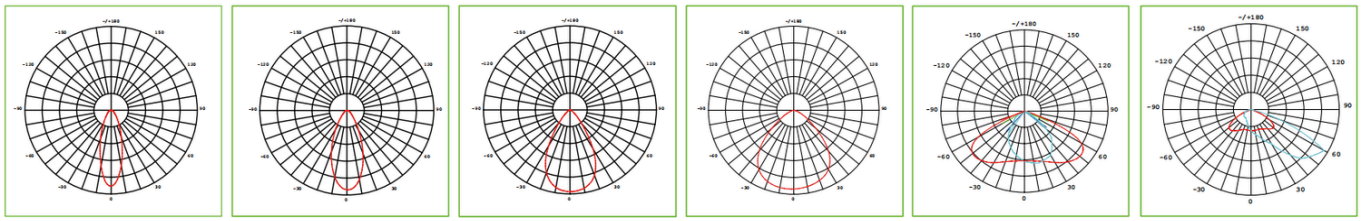
DIMENSIONS

04



Dimension · 159/315mm to 428/555mm housings

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.