Fixed-CCT LED Broadcast & Studio Panel Light





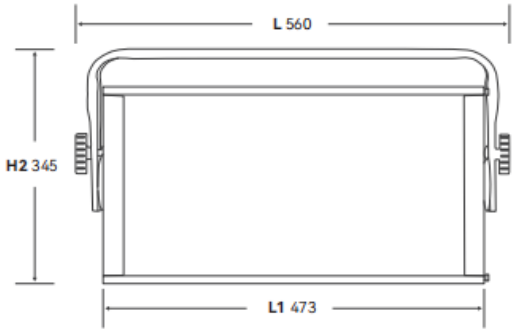


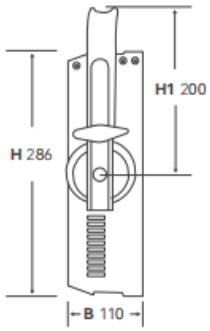


DD-SP56A 300W/5600K	DD-SP56B 200W/5600K	DD-SP56C 150W/5600K
DD-SP32A 300W/3200K	DD-SP32B 200W/3200K	DD-SP32C 150W/3200K









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Light source

1. LED source: 960 × single-CCT 2835 LEDs, 0.6 W rated power per LED, operated at only 0.2–0.35 W per LED for high efficiency, low operating temperature and long service life.
2. LED lifetime: 50,000–100,000 hours

Power & Electrical

1. Input voltage: AC 100–240 V, 50/60 Hz.
2. Maximum power consumption:
310W, 220W or 160W, continuous operating power remains stable without power reduction.

Control & Operation

1. Display: LCD display with Chinese and English menu interfaces; display size: 35 × 29 mm.
2. Control: DMX512 control and local control via buttons and rotary encoder for dimming adjustment.
3. Control protocol: DMX512 with RDM support.
4. DMX mode: 1-channel modes.
5. Dimming: 16-bit or higher smooth and linear flicker-free dimming with no perceptible delay; PWM frequency ≥28 kHz.
6. Dimming modes: 6 selectable dimming modes.
7. Cooling & Noise: The 300 W and 200 W models use intelligent variable-speed fan cooling. Fan speed automatically adjusts according to the fixture's output level. The fan stops when the dimming level is below 50%. At full output, fan noise measured at 1 m does not exceed 35 dBA for the 300 W model or 25 dBA for the 200 W model. The 150 W model uses fanless cooling with no fan noise.
8. Operating ambient temperature: −25 °C to +40 °C
9. IP rating: IP20

Color Performance & Optical Specifications

1. CCT : Available in fixed 3200 K or 5600 K versions. Custom CCT options are available on request.
2. CRI (Ra): ≥96
3. TLCI : ≥96
4. TM-30: Rf: ≥93, Rg: ≥104
5. Luminous flux: 300W: 5600K/ 25,600 lm; 3200K/ 23,100 lm
   200W: 5600K/ 19,200 lm; 3200K/ 17,400 lm
   150W: 5600K/ 14,900 lm; 3200K/ 13,800 lm
6. Light-emitting area: 420×260mm
7. Beam angle: 105° (FWHM, measured at 50% of center intensity)

Construction & Standard Accessories

1. Housing material: Aluminum alloy.
2. Surface finish: Anodized or powder-coated finish; custom colors are available according to customer requirements.
3. Standard accessories: Barn doors, power input/output connectors, and DMX signal input/output connectors. Additional accessories are available upon request and can be customized to meet specific customer requirements.
4. Diffusion panel: Removable and replaceable; alternative diffusion panels can be customized according to application requirements.
5. Barn doors: Removable and replaceable.
6. Anti-glare grid: Removable and replaceable; grids with different beam-control angles can be customized according to customer requirements

Dimensions & Weight

1. Fixture dimensions: 56 × 14.6 × 36 cm with barn doors; 56 × 11.5 × 34.5 cm without barn doors.
2. Packing dimensions: 62 × 23.5 × 42 cm
3. Net weight: 9.2 kg (fixture: 7.5 kg; barn doors: 1.7 kg)
4. Gross weight: 10.5 kg

Illuminance at Various Throw Distances

Throw Distance (m)			1	2	3	4	5	6	7	8	9	10
300 W	3200 K	Center (lx)	11310	2825	1257	707	452	315	231	177	139	113
	5600 K	Center (lx)	12195	3049	1355	762	487	338	249	190	151	122
200 W	3200 K	Center (lx)	8358	2089	928	522	335	232	171	131	103	83
	5600 K	Center (lx)	8695	2172	965	544	348	241	178	136	107	86
150 W	3200 K	Center (lx)	6163	1640	731	411	262	182	133	102	79	65
	5600 K	Center (lx)	6885	1772	765	430	276	191	140	107	85	68