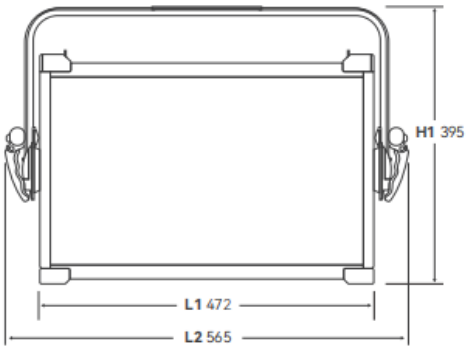
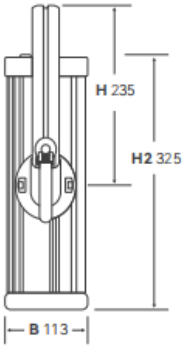










2700-6200K CCT tuneable LED Broadcast & Studio Panel Light

Light Source

1. LED source: 1,920 × 2835 LEDs, including 960 warm-white and 960 cool-white LEDs. Each LED is rated at 0.6 W and operated at only 0.2–0.35 W 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:
DD-SPW300 /300W model: 310W
DD-SPW200 /200W model: 220W
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, CCT adjustment.
3. Control protocol: DMX512 with RDM support.
4. DMX modes: 3-channel, 4-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 model uses intelligent variable-speed fan cooling. Fan speed is automatically adjusted according to fixture output. Below 50% output, the fan stops automatically. Maximum fan noise is ≤29 dBA at 1 m. The 200 W model is fanless and operates silently with no fan noise.

8. Operating ambient temperature: −25 °C to +40 °C
9. IP rating: IP20

Color Performance & Optical Specifications

1. CCT: Continuously adjustable from 2700 K to 6200 K with smooth, linear adjustment via DMX or local rotary control. The corresponding CCT value is shown on the display. Adjustment is available in 100 K increments, CCT accuracy ≤3%, power variation ≤4%,Brightness deviation is ≤16%,CCT remains adjustable at output levels down to 0.03%.
2. CRI (Ra): average ≥96
3. TLCI: average ≥96
4. TM-30 Rf: average ≥93, TM-30 Rg: 102-104
5. Luminous flux:
DD-SPW300 /300W: 6200K: 22800 lm; 2700K: 20100 lm
DD-SPW200 /200W: 6200K: 17500 lm; 2700K: 16100 lm
6. Light-emitting area: 435 × 255 mm
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: 57 × 15 × 39 cm with barn doors; 57 × 11.5 × 39 cm without barn doors.
2. Packing dimensions: 63 × 24 × 48 cm
3. Net weight: 11.1 kg (fixture: 9.5 kg; barn doors: 1.6 kg)
4. Gross weight: 12.8 kg

Illuminance at Various Throw Distances

Throw Distance (m)			1	2	3	4	5	6	7	8	9	10
300 W	2700 K	Center (lx)	9515	2379	1057	595	381	264	194	149	117	95
	6200 K	Center (lx)	11051	2763	1228	691	442	307	226	173	136	111
200 W	2700 K	Center (lx)	7416	1854	824	464	297	206	151	116	92	74
	6200 K	Center (lx)	8221	2055	913	514	329	228	168	128	102	82