3200-5600K CCT tuneable LED Broadcast & Studio Panel Light





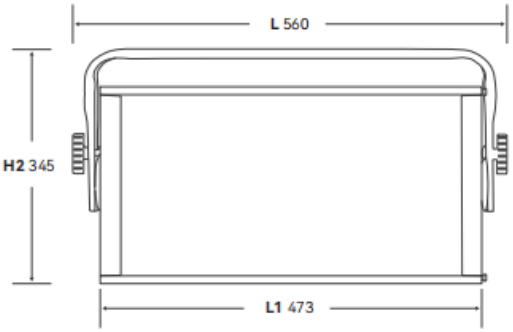


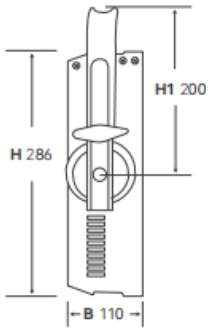


DD-SP3256A/300W	DD-SP3256B/200W	DD-SP3256C/150W









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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: AC100-240V/50-60Hz.
2. Maximum power consumption:
DD-SP3256A /300W model: 310W
DD-SP3256A /200W model: 220W
DD-SP3256A /150W model: 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 , CCT adjustment.
3. Control protocol: DMX512 with RDM support.
4. DMX channel: 3-channel and 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: 300 W and 200 W models use intelligent variable-speed fan cooling. Fan speed automatically adjusts with fixture output, and the fan stops below 50% output. Maximum fan noise at 1 m is ≤35 dBA for 300 W and ≤25 dBA for 200 W. The 150 W model is fanless and operates silently.
8. Operating ambient temperature: −25 °C to +40 °C
9. IP rating: IP20

Color Performance & Optical Specifications

1. CCT: Continuously adjustable from 3200 K to 5600 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 ≤8%,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-SP3256A /300W: 5600K: 24700 lm; 3200K: 22800 lm
   DD-SP3256B /200W: 5600K: 18100 lm; 3200K: 16800 lm
   DD-SP3256C /150W: 5600K: 14500 lm; 3200K: 13200 lm
6. Light-emitting area: 420X260mm
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)	10877	2719	1209	680	435	302	222	170	134	109
	5600 K	Center (lx)	11726	2932	1303	733	469	326	239	183	145	117
200 W	3200 K	Center (lx)	8037	2009	893	502	321	223	164	126	99	80
	5600 K	Center (lx)	8366	2091	930	523	335	232	171	131	103	84
150 W	3200 K	Center (lx)	5926	1577	703	395	252	175	128	98	78	63
	5600 K	Center (lx)	6623	1656	736	414	265	184	135	103	82	66