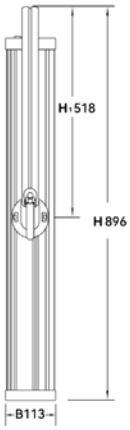
# 1000 W Tunable White LED Broadcast & Studio Panel Light

## DD-SPW1000 CCT Range: 2700-6200 K








| B | H | H₁ | H₂ | L | L₁ |
|---|---|---|---|---|---|
| 113 | 896 | 518 | 926 | 565 | 472 |

## 1000 W Tunable White LED Broadcast & Studio Panel Light

### Light Source

1. LED source: 5,760 × 2835 LEDs, including 2880 warm-white and 2880 cool-white LEDs. Each LED is rated at 0.6 W and operated at only 0.4 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: 1010W, Power remains constant during continuous operation.

### 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 and CCT adjustment.
3. Control protocol: DMX512 with RDM support.
4. DMX modes: 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: Intelligent variable-speed fan cooling; fan speed automatically adjusts with fixture output, and the fan stops when the dimming level is below 50%, eliminating fan noise.
8. Operating ambient temperature: −25 °C to +40 °C
9. IP rating: IP20

### Color Performance & Optical Specifications

1. CCT: Adjustable from 2700 K to 6200 K via DMX or the local rotary control, with smooth, linear transitions. DMX channel values correspond to specific CCT settings. During local adjustment, the selected CCT is shown on the display in 100 K increments. Deviation between the selected and measured CCT is ≤3%. Power variation during CCT adjustment is ≤4%, and brightness variation is ≤16%. CCT adjustment remains available at dimming levels down to 0.03%.
2. CRI (Ra): average ≥96
3. TLCI: average ≥96
4. TM-30: Rf: average ≥93, Rg: average ≥104
5. Luminous flux: 6200K: 66,500 lm; 2700K: 63,600 lm

6. Light-emitting area: 435 × 832 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: Power input/output connectors and signal input/output connectors.

Optional Accessories: Diffusion panel, barn doors and anti-glare grid. Other accessories can be customized on request.

## Dimensions & Weight

1. Fixture dimensions: 57 × 15 × 98 cm.
2. Packing dimensions: Determined according to the customer's requirements
3. Net weight: 24.5 kg

## Illuminance at Various Throw Distances

| Throw Distance (m) | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000W | 2700 K | Center (lx) | 21500 | 6100 | 2980 | 1780 | 1220 | 910 | 690 | 570 | 460 | 380 | 310 | 260 | 220 | 195 | 170 |
| | 6200 K | Center (lx) | 23300 | 6560 | 3220 | 1920 | 1310 | 960 | 740 | 610 | 490 | 410 | 330 | 280 | 240 | 210 | 180 |