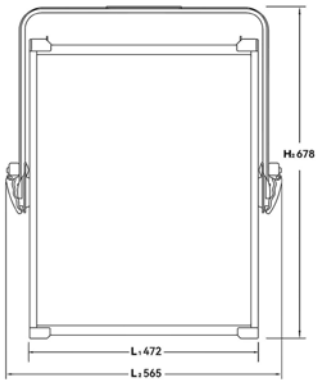
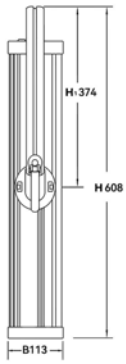
Full-Color LED Broadcast & Studio Panel Light DD-SPC400

DunDi 敦帝灯光 DUNDI LIGHT









B	H	H₁	H₂	L	L₁
113	608	374	678	565	472

Full-Color LED Broadcast & Studio Panel Light

Light Source

1. LED source: 2,400 × multicolor 2016 LED packages, nominal rating 0.6 W per package.
2. LED lifetime: 50,000–100,000 hours

Power & Electrical

1. Input voltage: AC 100–240 V, 50/60 Hz
2. Maximum power consumption: 2700–10,000K white: 430W; Red only: 200W; Green only: 240W; Blue only: 240W.

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 and DUV adjustment.
3. Control protocol: DMX512 with RDM support.
4. DMX modes: 4-channel, 12-channel and 13-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: 7 selectable dimming modes.
7. Cooling & Noise: 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:** Adjustable from 2700 K to 10,000 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. Brightness variation during CCT adjustment is ≤12%. CCT adjustment remains available at dimming levels down to 0.5%.
2. CRI (Ra): average ≥93
3. TLCI: average ≥93
4. TM-30: Rf: average ≥92, Rg: average ≥103
5. DUV(GM) adjustment: Positive and negative DUV adjustment from approximately +0.018 to −0.020. During DUV adjustment, CCT deviation is ≤5%, average CRI deviation is ≤10%, and average TLCI deviation is ≤10%.
6. Color control: 360° hue adjustment with independent saturation control. Includes 72 built-in preset colors and supports individual color-channel adjustment for custom color mixing. Multiple fixtures provide visually consistent color output with no obvious color difference.

7. Luminous flux:
2700K: 28,100lm; 3200K: 28,500lm; 5600K: 27,700lm; 10,000K: 26,100lm; Red: 4,500lm; Green: 13,300lm; Blue: 3,100lm.
8. Light-emitting area: 435 × 543 mm
9. Beam Angle: 105° (full width at half maximum, FWHM)..

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 × 69 cm.
2. Package dimensions: To be confirmed based on packaging requirements.
3. Net weight: 17 kg

Illuminance at Various Throw Distances

Throw Distance (m)			1	2	3	4	5	6	7	8	9	10	11	12	13	14
400W	2700 K	Center (lx)	8825	2532	1213	716	497	369	289	233	193	158	130	111	96	83
	3200 K	Center (lx)	9105	2604	1248	736	512	381	297	238	199	164	134	115	99	86
	5600 K	Center (lx)	9408	2706	1296	759	530	395	308	247	206	170	139	117	101	88
	10,000 K	Center (lx)	9023	2598	1245	729	501	370	295	236	196	162	133	113	96	83
	Red	Center (lx)	1125	317	151	90	62	46	36	28	23	19	16	14	12	10
	Green	Center (lx)	5673	1621	772	451	308	234	182	146	122	101	81	69	59	51
	Blue	Center (lx)	1074	295	147	85	58	42	32	26	21	18	15	13	11	9