Fixed-CCT LED Broadcast & Studio Fresnel Spotlight

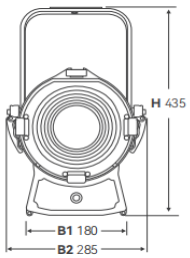


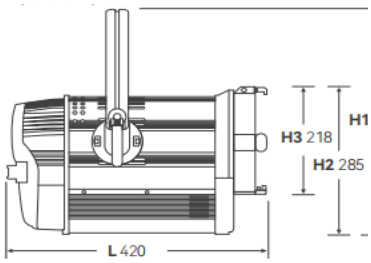


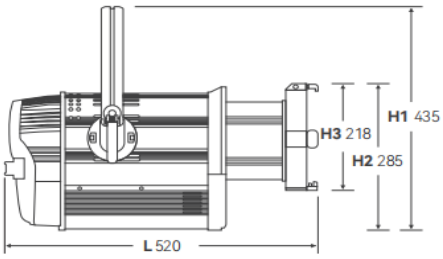




DD-S56A (5600K/300W)	DD-S32A (3200K/300W)
DD-S56B (5600K/200W)	DD-S32B (3200K/200W)







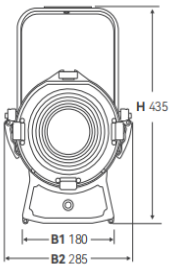


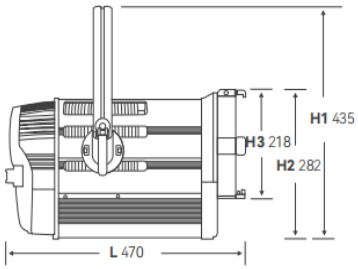


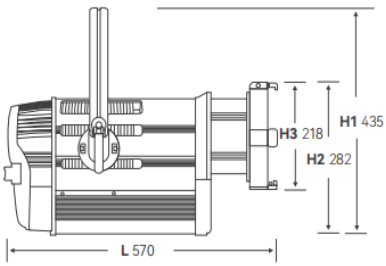




DD-S56BN(5600K) Fanless
DD-S32BN(3200K) Fanless







Fixed-CCT LED Broadcast & Studio Fresnel Spotlight

Light Source

1. LED source:
300 W: 88 × single-CCT LEDs, 5 W rated power per LED.
200 W: 88 × single-CCT LEDs, 3 W rated power per LED.
2. LED lifetime: 50,000–100,000 hours.

Power & Electrical

1. Input voltage: AC 100–240 V, 50/60 Hz
2. Maximum power consumption: 300 W model: 320 W; 200 W models: 230 W, Continuous operating power remains stable without power reduction.

Control & Operation

1. Display: OLED display with Chinese and English menu interfaces; display size: 30 × 15 mm.
2. Control: DMX512 control and local control via buttons and rotary encoder for dimming and zoom adjustment.
3. Control protocol: DMX512 with RDM support.
4. DMX modes: 4-channel and 5-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. Zoom & position memory: Motorized zoom adjustable via DMX512 or the local rotary encoder. The fixture retains the last-used zoom position after power-off and resumes at that position when powered on; the zoom motor does not automatically reset.
8. Cooling & Noise: Intelligent variable-speed fan cooling, with a fanless version available for the 200 W model. Fan speed automatically adjusts according to the fixture's output level. The fan stops when the dimming level is below 20%. At full output, fan noise measured at 1 m does not exceed 39 dBA for the 300 W model or 29 dBA for the 200 W model. The fanless version produces no fan noise.
9. Operating ambient temperature: −25 °C to +40 °C
10. 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. Average CCT deviation between the narrowest and widest zoom settings is ≤3%. Average CCT deviation between the beam center and the position where illuminance falls to 50% of the peak value is ≤3%.
2. CRI (Ra): ≥95
3. TLCI: ≥95
4. TM-30: Rf: ≥91, Rg: ≥98
5. Luminous flux:

300 W: 3200 K: 16800 lm;5600 K: 21100 lm
200 W: 3200 K: 13800 lm;5600 K: 17300 lm

6. Zoom: Motorized zoom from 12° to 60°.

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 signal input/output connectors.
   Additional accessories are available upon request and can be customized to meet specific customer requirements.
4. Barn doors: Detachable and replaceable; the barn-door assembly can rotate through 360°.

Fan-Cooled vs. Fanless Versions: The fanless version is available only for the 200 W model. Compared with the 200 W fan-cooled version, it has the same performance specifications but is 5 cm longer and 0.9 kg heavier. Pricing differs between versions.

Dimensions & Weight

Version	Fixture Size (cm)	Packing Size (cm)	N.W. (kg)	G.W. (kg)
Fan-Cooled	50×28.5×28.5	62×34×40	10.3 (Fixture 9.3 kg + Barn Doors 1.0 kg)	12
Fanless	55×28.5×28.5	62×34×40	11.2 (Fixture 10.2 kg + Barn Doors 1.0 kg)	13

Beam Diameter & Illuminance by Throw Distance

Throw Distance (m)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
12° Beam Dia. (m)		0.42	0.62	0.84	1.05	1.26	1.47	1.68	1.89	2.1	2.31	2.52	2.73	2.94	3.2
60° Beam Dia. (m)		2.3	3.46	4.62	5.77	6.93	8.08	9.23	10.4	11.6	12.7	13.9	15	16.2	17.3
300W 3200K	12°Center(lx)	38600	17156	9650	6180	4288	3151	2410	1906	1543	1275	1072	913	787	686
	60°Center(lx)	8115	3606	2028	1295	901	662	507	401	325	269	225	192	165	142
300W 5600K	12°Center(lx)	51836	23038	12959	8293	5759	4232	3240	2560	2074	1713	1440	1226	1058	922
	60°Center(lx)	9550	4245	2380	1526	1062	780	596	471	382	316	265	226	195	170
200W 3200K	12°Center(lx)	31647	14065	7911	5067	3516	2583	1977	1562	1266	1046	878	748	646	562
	60°Center(lx)	6283	2792	1571	1005	698	512	392	310	251	207	175	149	129	111
200W 5600K	12°Center(lx)	41431	18414	10358	6629	4603	3382	2589	2046	1657	1370	1151	981	846	737
	60°Center(lx)	7111	3160	1778	1138	790	580	444	351	284	235	198	168	145	126