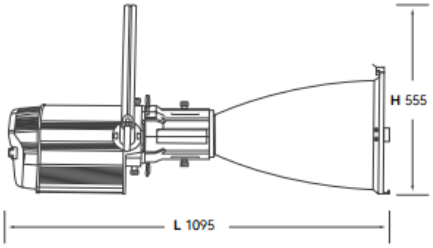
CCT Tunable LED Fixed-Angle Profile Spotlight

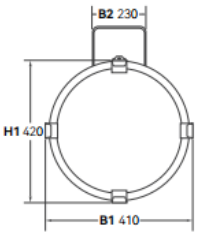


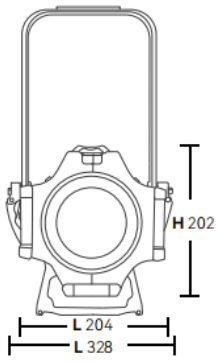


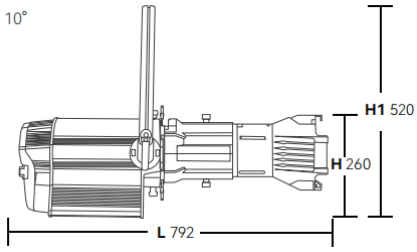

Standard Version: 5°　　10°　　14°/19°/26°/36°/50°

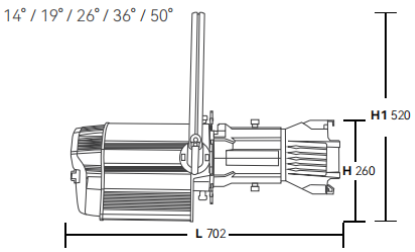
DD-PT5A/5°(300W)	DD-PT10A/10°(300W)	DD-PT14A/14°(300W)	DD-PT19A/19°(300W)	DD-PT26A/26°(300W)	DD-PT36A/36°(300W)	DD-PT50A/50°(300W)
DD-PT5B/5°(200W)	DD-PT10B/10°(200W)	DD-PT14B/14°(200W)	DD-PT19B/19°(200W)	DD-PT26B/26°(200W)	DD-PT36B/36°(200W)	DD-PT50B/50°(200W)









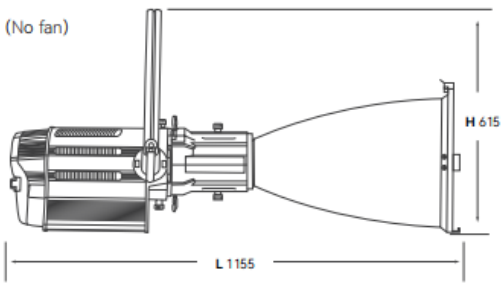


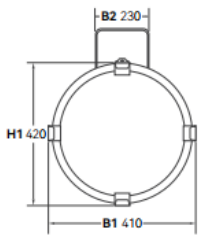


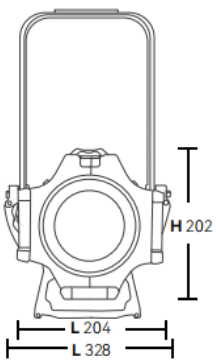


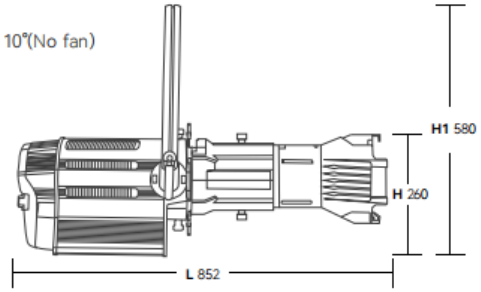

Fanless Version: 5°　　10°　　14°/19°/26°/36°/50°

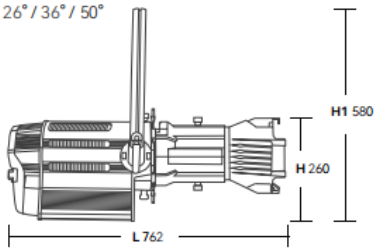
DD-PT5N/5°	DD-PT10N/10°	DD-PT14N/14°	DD-PT19N/19°	DD-PT26N/26°	DD-PT36N/36°	DD-PT50N/50°











CCT Tunable LED Fixed-Angle Profile Spotlight

Features & Specifications

Light source

1. LED source:
300 W: 88 LEDs comprising 44 warm-white and 44 cool-white LEDs, each rated at 8 W.
200 W: 88 LEDs comprising 44 warm-white and 44 cool-white LEDs, each rated at 5 W.
2. LED lifetime: 50,000–100,000 hours.

Products power

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

Function specific and 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 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. Focusing: Manual focusing.
8. Cooling & Noise: Intelligent variable-speed fan cooling; 200 W fanless version available. Fan speed automatically adjusts with fixture output, and the fan stops below 20% output. Maximum fan noise at 1 m is ≤39 dBA for 300 W and ≤29 dBA for 200 W. The fanless version operates silently.
9. Operating ambient temperature: −25 °C to +40 °C
10. IP rating: IP20

Color Performance & Optical Specifications

1. CCT: Adjustable from 2700 K to 6500 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 ≤5%. Average CCT deviation between the beam center and the outermost edge of the projected beam is ≤6%. CCT adjustment remains available at dimming levels down to 0.03%.
2. CRI (Ra): average ≥95
3. TLCI: average ≥95
4. TM-30(Rf): average ≥92, TM30(Rg): average ≥97
5. Luminous flux: 300W: 2700K: 8200 lm; 6500K: 10400 lm， 200W: 2700K: 6600 lm; 6500K: 8300 lm
6. Beam angles: 5°, 10°, 14°, 19°, 26°, 36° and 50°; custom beam angles available upon request.
7. Optical system: The light passes through a multi-element optical system incorporating seven optical elements, producing a clean and highly uniform projected beam with minimal yellow or blue edging, no visible dark patterns, minimal chromatic dispersion, excellent color mixing and no ghosting or double-image effect.

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: Optical diffusion plate, 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. Iris & gobo holder: Optional iris and gobo holder available upon request.

Fan-Cooled vs. Fanless Versions: Fanless Versions available only for the 200 W model. Performance specifications are the same as the fan-cooled version, except that the fanless version is 6 cm longer, 1.1 kg heavier, and differently priced.

Dimensions & Weight

Model / Beam angles	Inner size （cm）	Packing size/cm	NW/kg	GW/kg
5°(Fan-Cooled)	114X41X43	130X50X50	11.8	16
10°(Fan-Cooled)	83X29X29	94X31.5X33	14.3	16.3
14°(Fan-Cooled)	74X29X29	85X31.5X33	14.1	15.9
19°(Fan-Cooled)	74X29X29	85X31.5X33	14.1	15.9
26°(Fan-Cooled)	74X29X29	85X31.5X33	13.5	15.3
36°(Fan-Cooled)	74X29X29	85X31.5X33	13.9	15.7
50°(Fan-Cooled)	74X29X29	85X31.5X33	14.5	16.3
5°(Fanless)	120X41X43	130X50X50	12.6	17
10°(Fanless)	89X29X29	99X31.5X33	15.1	17.1
14°(Fanless)	80X29X29	94X31.5X33	14.9	16.7
19°(Fanless)	80X29X29	94X31.5X33	14.9	16.7
26°(Fanless)	80X29X29	94X31.5X33	14.3	16.1
36°(Fanless)	80X29X29	94X31.5X33	14.7	16.5
50°(Fanless)	80X29X29	94X31.5X33	15.3	17.1

Beam Diameter & Illuminance at Various Throw Distances

5° CCT tuneable LED Fixed-Angle Profile Spotlight

Throw Distance (m)	5	10	15	20	25	30	35	40	42	44	46	48	50
5° Beam Diameter (m)	0.44	0.87	1.31	1.75	2.18	2.62	3.06	3.49	3.67	3.84	4.02	4.19	4.37
2700K/300W Center (lx)	36957	9239	4106	2310	1478	1026	755	578	524	476	437	402	370
6500K/300W Center (lx)	48946	12236	5438	3059	1958	1360	999	765	674	633	579	531	490
2700K/200W Center (lx)	29874	7469	3320	1867	1195	830	610	467	423	386	353	323	299
6500K/200W Center (lx)	38621	9655	4291	2414	1545	1073	788	604	547	499	456	419	386

10° CCT tuneable LED Fixed-Angle Profile Spotlight

Throw Distance (m)	3	6	8	10	12	14	16	18	20	22	24	26	28	30
10° Beam Diameter (m)	0.53	1.05	1.4	1.75	2.1	2.45	2.8	3.15	3.5	3.85	4.2	4.55	4.9	5.25
2700K/300W Center (lx)	15482	3871	2177	1393	968	711	544	430	348	288	242	206	178	155
6500K/300W Center (lx)	19586	4896	2754	1763	1224	899	689	544	441	364	306	261	225	196
2700K/200W Center (lx)	13502	3376	1899	1215	843	620	475	375	303	251	211	156	135	119
6500K/200W Center (lx)	16515	4128	2323	1486	1032	758	581	458	371	307	259	219	190	165

14° CCT tuneable LED Fixed-Angle Profile Spotlight

Throw Distance (m)	3	6	8	10	12	14	16	18	20	22	24	26	28	30
14° Beam Diameter (m)	0.74	1.47	1.96	2.46	2.95	3.44	3.93	4.42	4.91	5.4	5.89	6.38	6.88	7.37
2700K/300W Center (lx)	13172	3293	1852	1186	823	605	463	366	296	245	206	175	151	132
6500K/300W Center (lx)	17647	4412	2482	1588	1103	810	620	490	397	328	276	235	203	176
2700K/200W Center (lx)	10867	2717	1528	978	679	499	382	302	245	202	170	145	125	109
6500K/200W Center (lx)	14376	3594	2022	1294	898	660	505	399	323	267	225	191	165	144

19° CCT tuneable LED Fixed-Angle Profile Spotlight

Throw Distance (m)	3	4	5	6	7	8	9	10	12	14	16	18	20
19° Beam Diameter (m)	1	1.34	1.67	2	2.34	2.68	3.01	3.35	4.02	4.69	5.36	6.02	6.69
2700K/300W Center (lx)	7039	3960	2534	1760	1293	990	782	634	440	323	247	196	158
6500K/300W Center (lx)	9057	5095	3261	2264	1664	1274	1006	815	566	416	318	252	204
2700K/200W Center (lx)	5718	3216	2058	1429	1050	804	635	515	357	263	201	159	129
6500K/200W Center (lx)	7408	4167	2667	1852	1361	1042	823	667	463	340	260	206	167

26° CCT tuneable LED Fixed-Angle Profile Spotlight

Throw Distance (m)	3	4	5	6	7	8	9	10	11	12	13	14	15
26° Beam Diameter (m)	1.38	1.85	2.31	2.77	3.23	3.69	4.16	4.62	5.08	5.54	6	6.46	6.92
2700K/300W Center (lx)	4073	2291	1466	1018	748	573	453	367	303	255	217	187	163
6500K/300W Center (lx)	5519	3104	1987	1380	1014	776	613	497	411	345	294	253	221
2700K/200W Center (lx)	3340	1879	1202	835	613	469	371	301	248	209	177	153	133
6500K/200W Center (lx)	4434	2493	1595	1108	814	623	493	399	329	277	236	204	177

36° CCT tuneable LED Fixed-Angle Profile Spotlight

Throw Distance (m)	3	4	5	6	7	8	9	10	11	12
36° Beam Diameter (m)	1.95	2.6	3.25	3.9	4.55	5.2	5.85	6.5	7.15	7.8
2700K/300W Center (lx)	2520	1418	907	630	463	354	280	227	187	158
6500K/300W Center (lx)	3369	1895	1213	842	619	474	374	303	251	211
2700K/200W Center (lx)	2047	1152	737	512	376	288	227	184	152	128
6500K/200W Center (lx)	2726	1534	982	682	501	383	303	245	203	171

50° CCT tuneable LED Fixed-Angle Profile Spotlight

Throw Distance (m)	3	4	5	6	7	8	9	10	11	12
50° Beam Diameter (m)	2.8	3.73	4.66	5.6	6.53	7.46	8.39	9.32	10.25	11.2
2700K/300W Center (lx)	1144	643	412	286	210	161	127	103	85	71
6500K/300W Center (lx)	1560	877	562	390	286	219	173	140	116	97
2700K/200W Center (lx)	932	524	335	233	172	131	104	84	70	58
6500K/200W Center (lx)	1250	703	450	313	229	175	139	113	93	78