Fixed-CCT LED Fixed-Angle Profile Spotlight



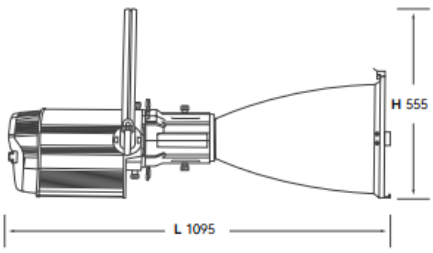


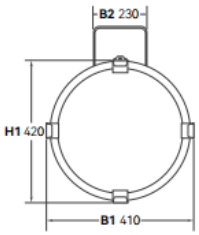


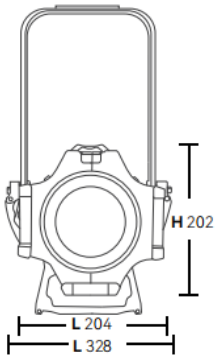


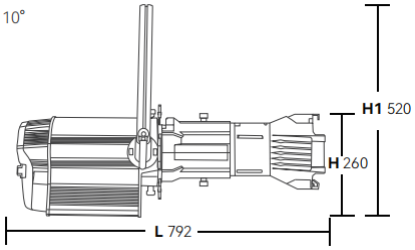
Standard Version: 5°　　10°　　14°/19°/26°/36°/50°

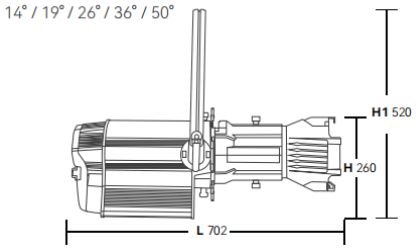
DD-PF5A32 **5° 3200K/300W**	**DD-PF5B32** **5° 3200K/200W**	**DD-PF5A56** **5° 5600K/300W**	**DD-PF5B56** **5° 5600K/200W**
DD-PF10A32 **10° 3200K/300W**	**DD-PF10B32** **10° 3200K/200W**	**DD-PF10A56** **10° 5600K/300W**	**DD-PF10B56** **10° 5600K/200W**
DD-PF14A32 **14° 3200K/300W**	**DD-PF14B32** **14° 3200K/200W**	**DD-PF14A56** **14° 5600K/300W**	**DD-PF14B56** **14° 5600K/200W**
DD-PF19A32 **19° 3200K/300W**	**DD-PF19B32** **19° 3200K/200W**	**DD-PF19A56** **19° 5600K/300W**	**DD-PF19B56** **19° 5600K/200W**
DD-PF26A32 **26° 3200K/300W**	**DD-PF26B32** **26° 3200K/200W**	**DD-PF26A56** **26° 5600K/300W**	**DD-PF26B56** **26° 5600K/200W**
DD-PF36A32 **36° 3200K/300W**	**DD-PF36B32** **36° 3200K/200W**	**DD-PF36A56** **36° 5600K/300W**	**DD-PF36B56** **36° 5600K/200W**
DD-PF50A32 **50° 3200K/300W**	**DD-PF50B32** **50° 3200K/200W**	**DD-PF50A56** **50° 5600K/300W**	**DD-PF50B56** **50° 5600K/200W**













Fanless Version: 5°



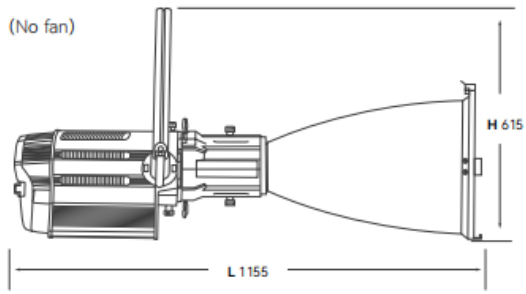
10°

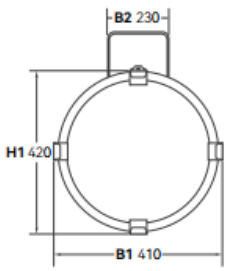


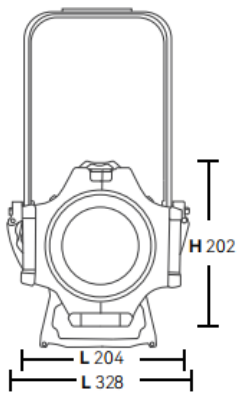
14°/19°/26°/36°/50°

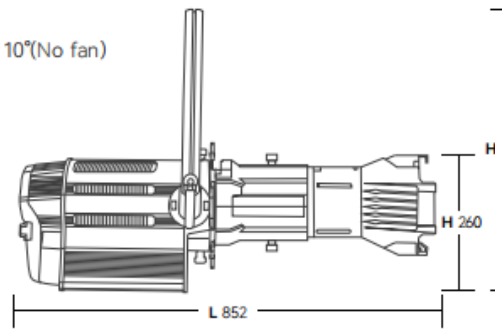


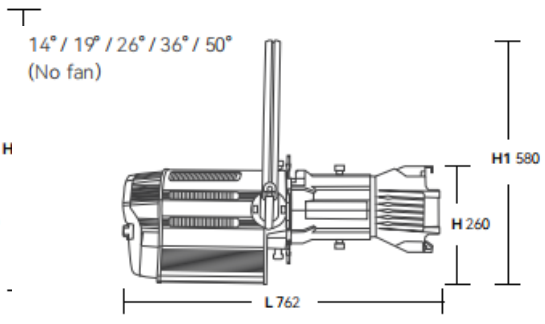
DD-PF5N32/5° 3200K	DD-PF5N56/5° 5600K
DD-PF10N32/10° 3200K	DD-PF10N56/10° 5600K
DD-PF14N32/14° 3200K	DD-PF14N56/14° 5600K
DD-PF19N32/19° 3200K	DD-PF19N56/19° 5600K
DD-PF26N32/26° 3200K	DD-PF26N56/26° 5600K
DD-PF36N32/36° 3200K	DD-PF36N56/36° 5600K
DD-PF50N32/50° 3200K	DD-PF50N56/50° 5600K











Fixed-CCT LED Fixed-Angle Profile Spotlight

Features & Specifications

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.

Products power

1. Input voltage: AC 100–240 V, 50/60 Hz
2. Maximum power consumption: 320 W or 230 W, 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 adjustment.
3. Control protocol: DMX512 with RDM support.
4. DMX modes: 2-channel and 3-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: 3200 K or 5600 K selectable. Custom CCT is available on request. Beam CCT uniformity: Average CCT deviation between the beam center and surrounding area, excluding the extreme beam edge, ≤6%.
2. CRI (Ra): ≥96
3. TLCI: ≥96
4. TM30(Rf): ≥91, TM30(Rg): ≥98
5. Luminous flux: 300W: 3200K: 10800 lm, 5600K: 12700 lm; 200W: 3200K: 8900 lm, 5600K: 10200 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 5 cm longer, 0.7 kg heavier, and differently priced.

Dimensions & Weight

Model / Beam angles	Inner size （cm）	Package Dimensions (cm)	N.W./kg	G.W./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° Single-Color 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
3200K/300W Center (lx)	53110	13278	5902	3315	2125	1486	1092	834	765	702	644	585	547
5600K/300W Center (lx)	63050	15763	7006	3936	2523	1764	1297	990	909	834	765	695	650
3200K/200W Center (lx)	43553	10888	4839	2718	1743	1219	897	685	629	577	481	476	449
5600K/200W Center (lx)	50473	12618	5607	3150	2019	1412	1038	792	726	666	611	554	518

10° Single-Color 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
3200K/300W Center (lx)	21922	5480	3082	1973	1371	1007	771	608	493	408	342	292	251	219
5600K/300W Center (lx)	25402	6350	3572	2286	1588	1166	893	706	571	473	396	338	292	254
3200K/200W Center (lx)	17903	4476	2518	1611	1119	822	629	497	403	333	280	238	206	179
5600K/200W Center (lx)	20408	5102	2870	1837	1276	937	717	567	459	379	319	272	234	204

14° Single-Color 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
3200K/300W Center (lx)	15228	3807	2141	1371	952	699	535	423	343	283	238	203	175	152
5600K/300W Center (lx)	18301	4575	2574	1647	1144	840	643	508	412	340	286	244	210	183
3200K/200W Center (lx)	13078	3270	1839	1177	817	601	460	363	294	243	204	174	150	131
5600K/200W Center (lx)	15716	3929	2210	1414	982	722	553	437	354	292	246	209	180	157

19° Single-Color 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
3200K/300W Center (lx)	7698	4330	2771	1924	1414	1083	855	693	481	353	271	214	173
5600K/300W Center (lx)	9351	5260	3366	2338	1718	1315	1039	842	584	429	329	260	210
3200K/200W Center (lx)	6512	3663	2345	1628	1196	916	724	586	407	299	229	181	147
5600K/200W Center (lx)	8223	4625	2960	2056	1510	1156	914	740	514	378	289	228	185

26° Single-Color 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
3200K/300W Center (lx)	4487	2524	1615	1122	824	631	499	404	334	280	239	206	179
5600K/300W Center (lx)	5552	3123	1999	1388	1020	781	617	500	413	347	296	255	222
3200K/200W Center (lx)	3799	2137	1368	950	698	534	422	342	283	237	202	174	152
5600K/200W Center (lx)	4679	2632	1685	1170	859	658	520	421	348	292	249	215	187

36° Single-Color 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
3200K/300W Center (lx)	2772	1559	998	693	509	390	308	249	206	173
5600K/300W Center (lx)	3317	1866	1194	829	609	466	369	299	247	207
3200K/200W Center (lx)	2274	1279	819	569	418	320	253	205	169	142
5600K/200W Center (lx)	2865	1611	1031	716	526	403	318	258	213	179

50° Single-Color 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
3200K/300W Center (lx)	1271	715	457	318	233	179	141	114	95	79
5600K/300W Center (lx)	1596	898	574	399	293	224	177	144	119	99
3200K/200W Center (lx)	1076	605	387	269	198	151	120	97	80	67
5600K/200W Center (lx)	1342	755	483	335	246	189	149	121	100	84