M15

Photometric Report

JB-Lighting Lichtanlagentechnik GmbH
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Table of contents

6800K - CRI 72
Photometric Report 3
Beam Distribution 4
Color Details 4
TM30 5
Illuminance in Lux 6

6800K - CRI 88
Photometric Report 7
Beam Distribution 8
Color Details 8
TM30 9
Illuminance in Lux 10

5800K - CRI 70
Photometric Report 11
Beam Distribution 12
Color Details 12
TM30 13
Illuminance in Lux 14

5800K - CRI 88
Photometric Report 15
Beam Distribution 16
Color Details 16
TM30 17
Illuminance in Lux 18

3200K - CRI 72
Photometric Report 19
Beam Distribution 20
Color Details 20
TM30 21
Illuminance in Lux 22

3200K - CRI 91
Photometric Report 23
Beam Distribution 24
Color Details 24
TM30 25
Illuminance in Lux 26

M15

Photometric Report

6800K - CRI 72

Optical Parameters

Correlated Color Temperature (CCT)	6814K
Colour Rendering Index (CRI)	71.9 ±3
Angle	5.2° - 54° (1:10.4)
TM-30 Rf	79.04 ±3
TM-30 Rg	116.77 ±3

Cooling Modes

Mode	Luminous Flux (flashed)	Luminous Flux (heated up)
Boost	19228 lm	16613 lm
Standard	18117 lm	15653 lm
Silent	14809 lm	12795 lm
Whipser	12225 lm	10563 lm

Fixture Details & Conditions

Date of measurement	17.09.2026
Serial number	170003
Ambient temperature	25°C ±5°C
Warmup time	30 min

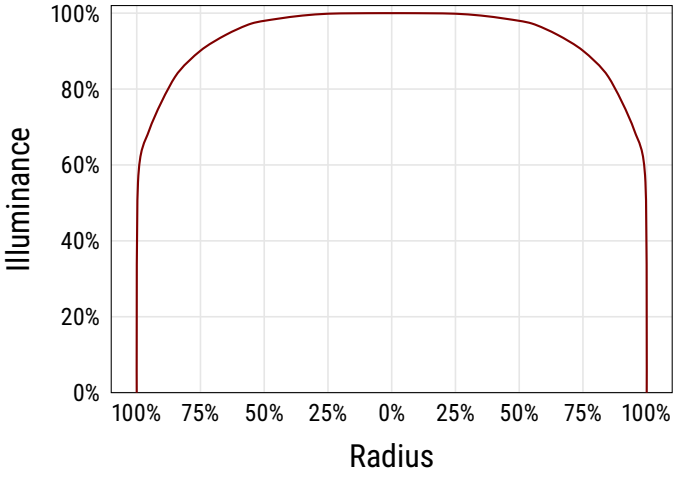
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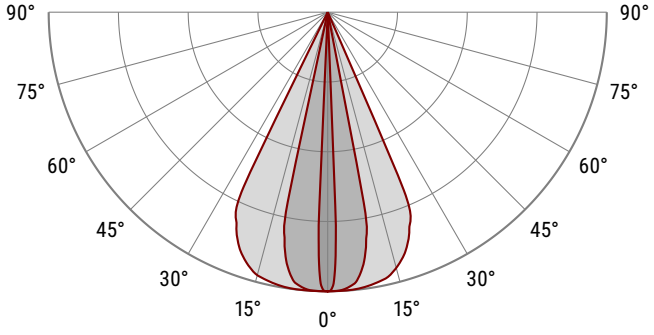
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6800K - CRI 72

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Beam Distribution

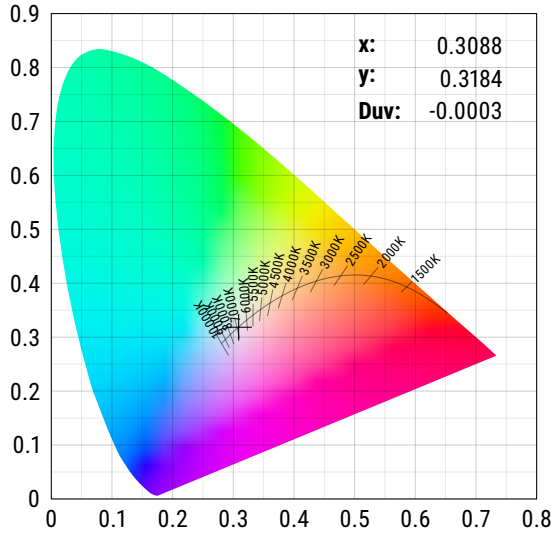


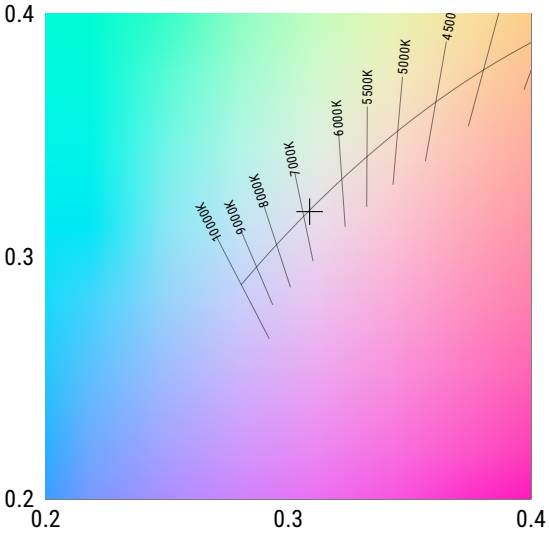


		Min	Mid	Max
Beam	(50%)	5.2	25	54
Field	(10%)	5.2	25	54
Cutoff	(3%)	5.2	25	54

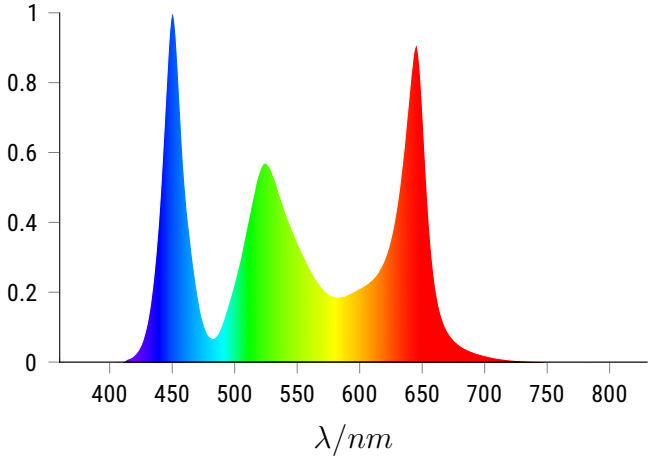
Color Details

CIE 1931

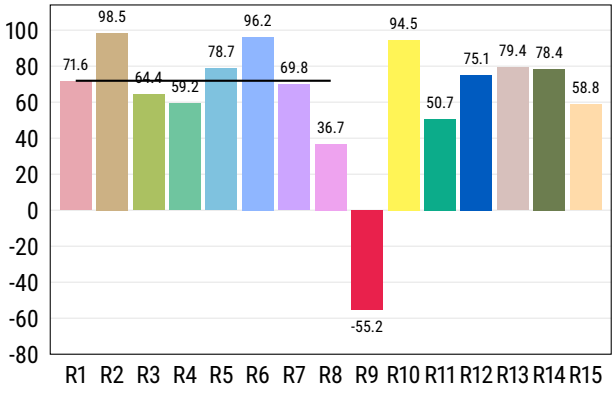




Spectral distribution



CRI: 71.9 (R1 - R8)



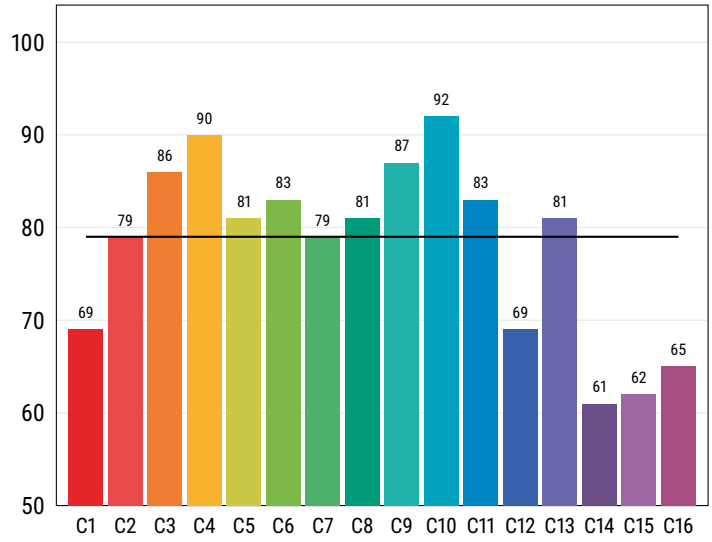
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6800K - CRI 72

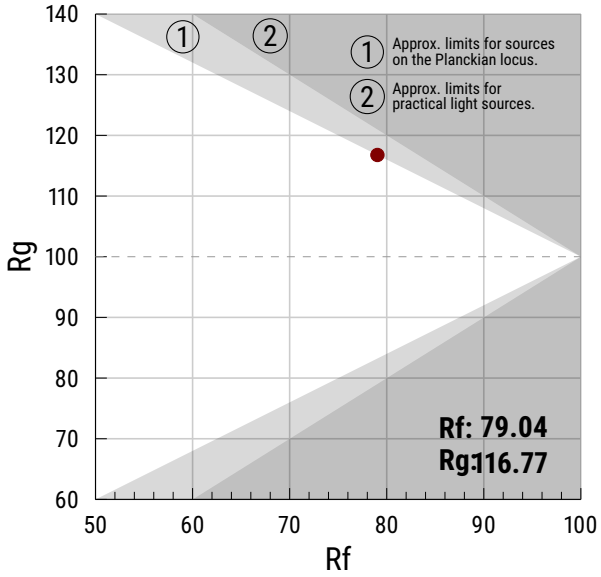
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TM30

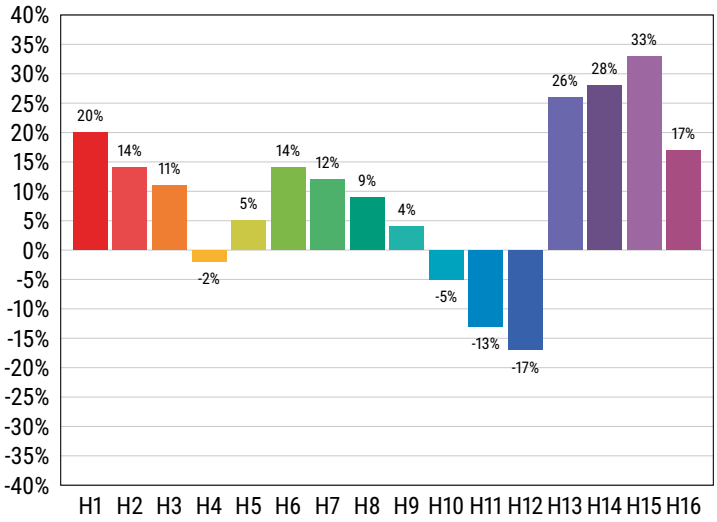
Rf by hue: 79.0



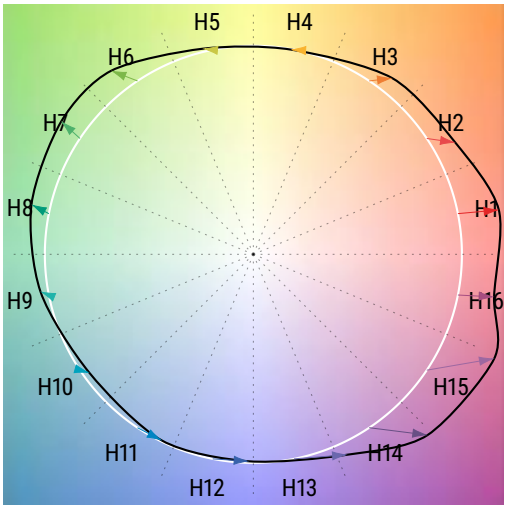
Fidelity-Gamut Plot



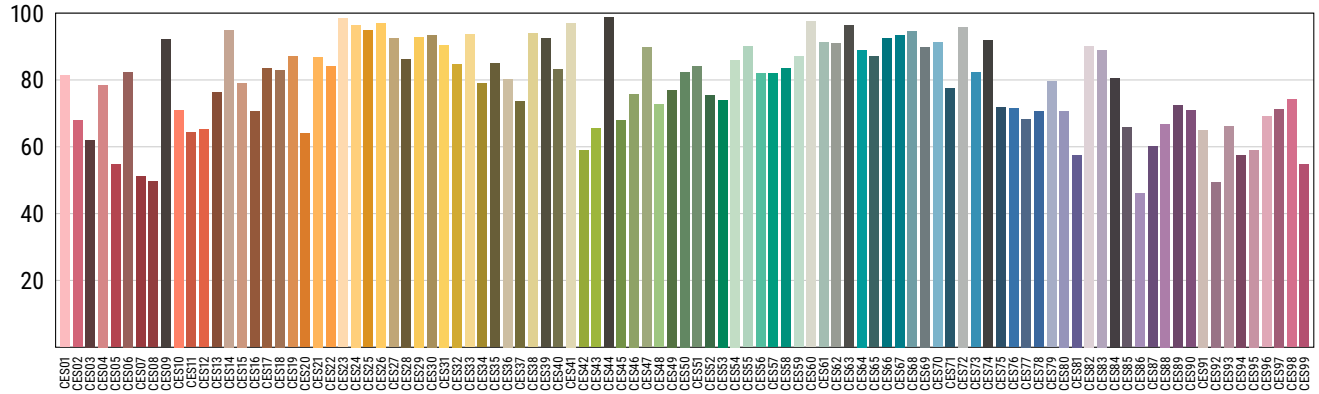
Chroma shift by hue



Color vector graphics



Fidelity Index, Rf



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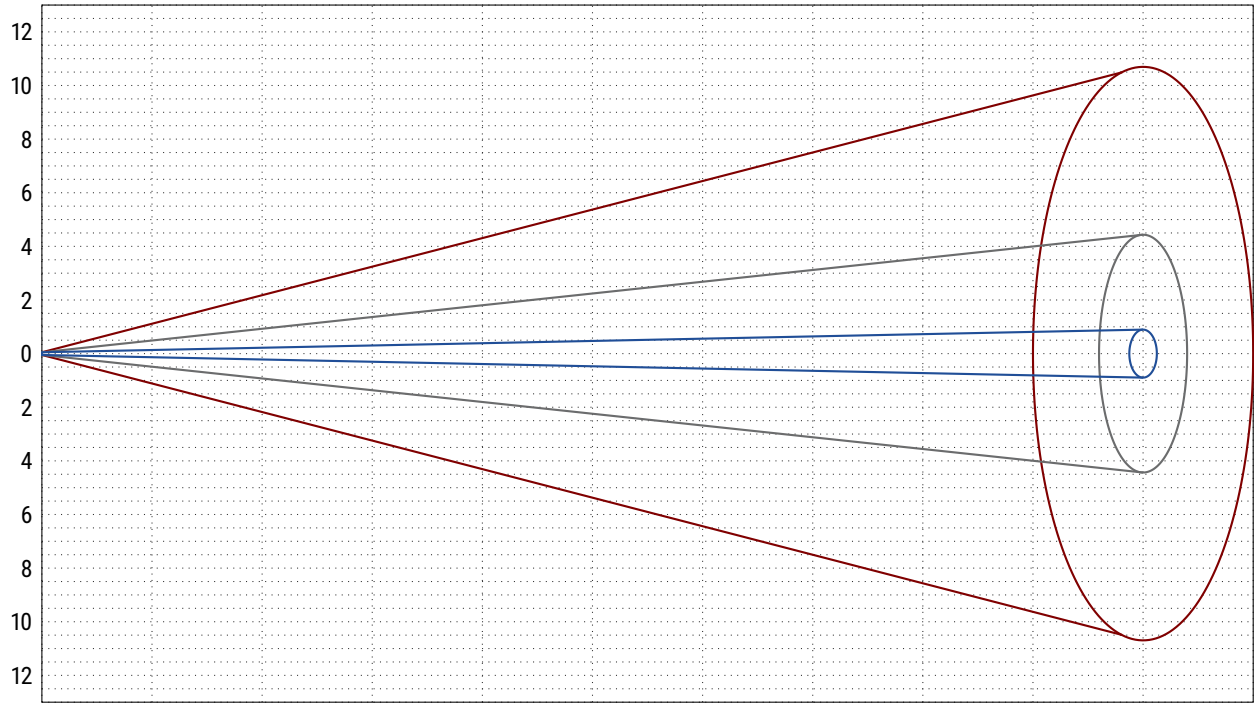
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Illuminance in Lux

Beam angle: 5.2° (Zoom min., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Boost	(Lux)	263446	65861	29272	16465	10538	7318	5376	4116	3252	2634
Standard	(Lux)	248166	62042	27574	15510	9927	6894	5065	3878	3064	2482
Silent	(Lux)	202752	50688	22528	12672	8110	5632	4138	3168	2503	2028
Whisper	(Lux)	167473	41868	18608	10467	6699	4652	3418	2617	2068	1675

Beam angle: 25° (Zoom mid., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Boost	(Lux)	27550	6887	3061	1722	1102	765	562	430	340	275
Standard	(Lux)	25952	6488	2884	1622	1038	721	530	406	320	260
Silent	(Lux)	21203	5301	2356	1325	848	589	433	331	262	212
Whisper	(Lux)	17514	4378	1946	1095	701	486	357	274	216	175

Beam angle: 54° (Zoom max., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39
Boost	(Lux)	5746	1437	638	359	230	160	117	90	71	57
Standard	(Lux)	5413	1353	601	338	217	150	110	85	67	54
Silent	(Lux)	4422	1106	491	276	177	123	90	69	55	44
Whisper	(Lux)	3653	913	406	228	146	101	75	57	45	37



(m)	2	4	6	8	10	12	14	16	18	20
Ø	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Ø	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Ø	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39

Measured with fixture heated up

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Photometric Report

6800K - CRI 88

Optical Parameters

Correlated Color Temperature (CCT)	6790K
Colour Rendering Index (CRI)	88.04 ±3
Angle	5.2° - 54° (1:10.4)
TM-30 Rf	82.52 ±3
TM-30 Rg	105.29 ±3

Cooling Modes

Mode	Luminous Flux (flashed)	Luminous Flux (heated up)
Boost	11823 lm	10215 lm
Standard	11140 lm	9625 lm
Silent	9106 lm	7868 lm
Whipser	7517 lm	6495 lm

Fixture Details & Conditions

Date of measurement	17.09.2026
Serial number	170003
Ambient temperature	25°C ±5°C
Warmup time	30 min

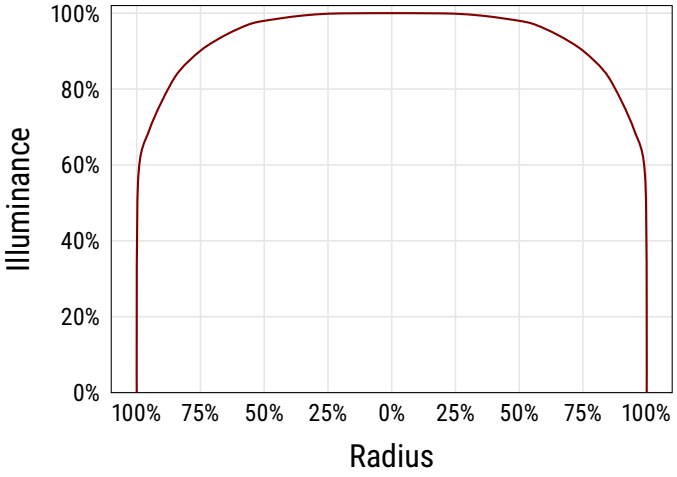
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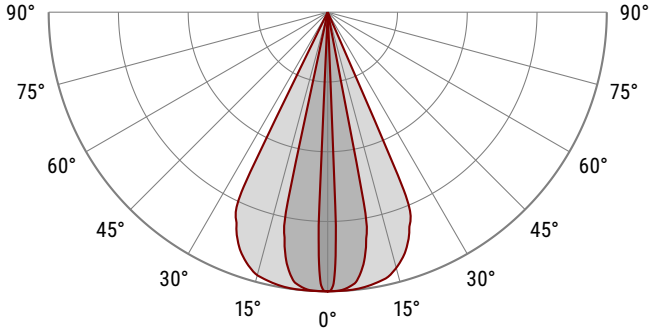
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6800K - CRI 88

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Beam Distribution

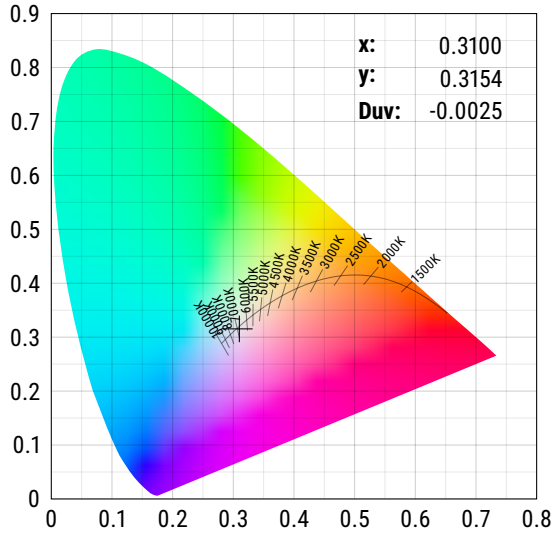


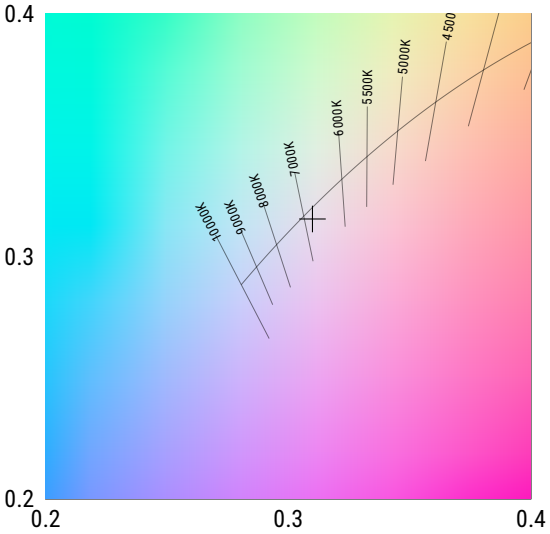


		Min	Mid	Max
Beam	(50%)	5.2	25	54
Field	(10%)	5.2	25	54
Cutoff	(3%)	5.2	25	54

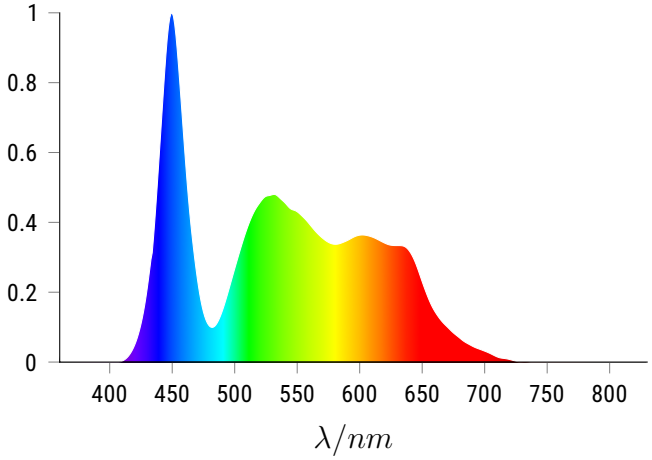
Color Details

CIE 1931

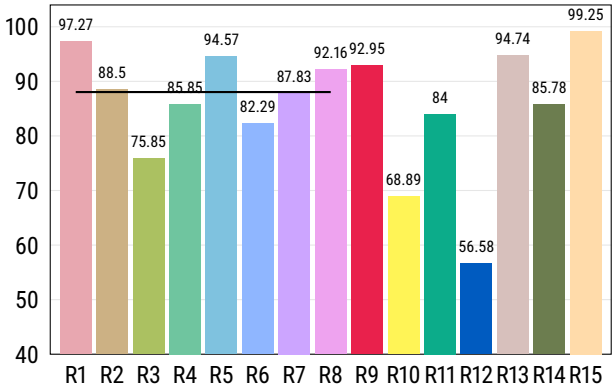




Spectral distribution



CRI: 88.04 (R1 - R8)



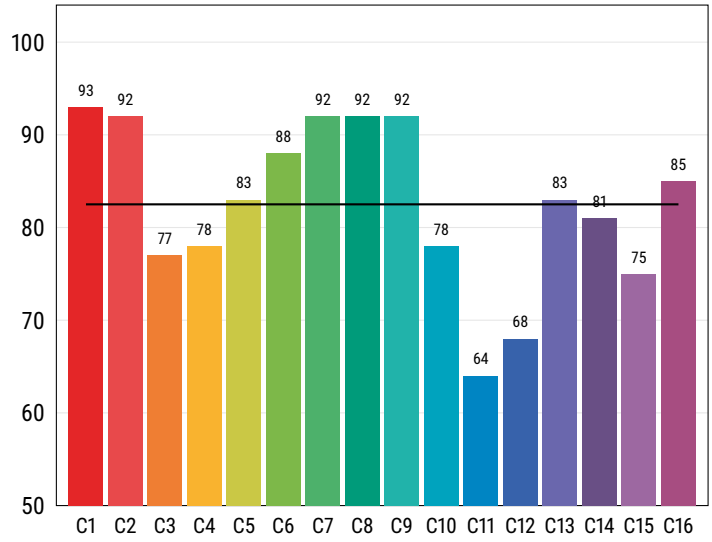
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6800K - CRI 88

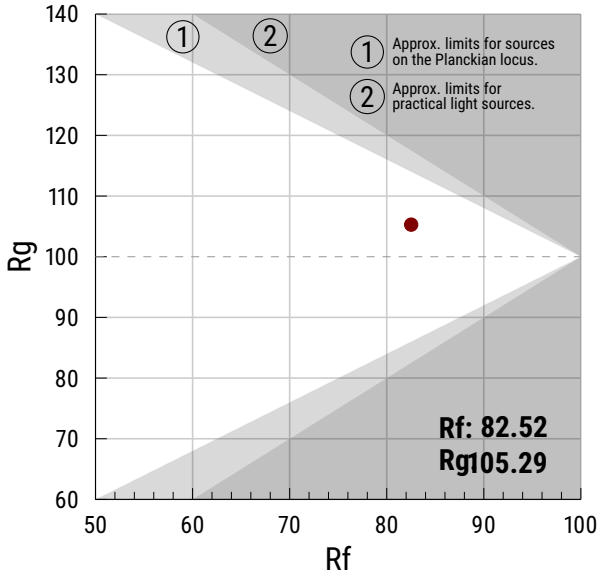
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TM30

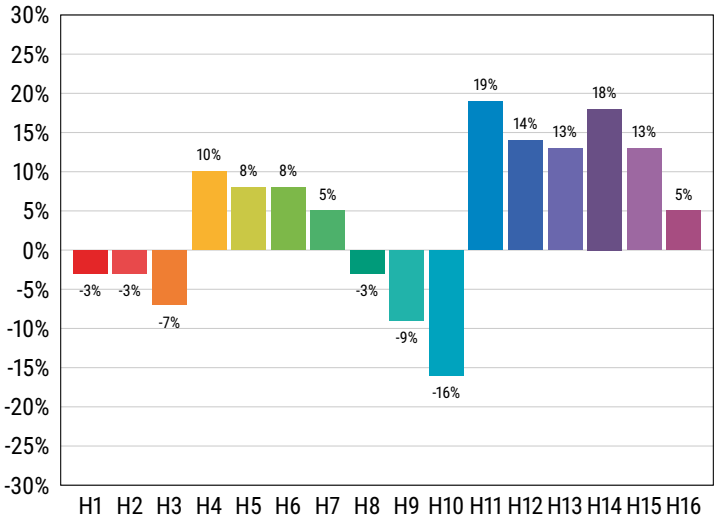
Rf by hue: 82.5



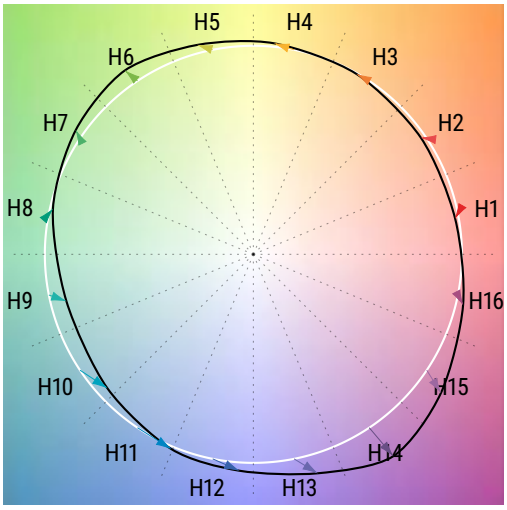
Fidelity-Gamut Plot



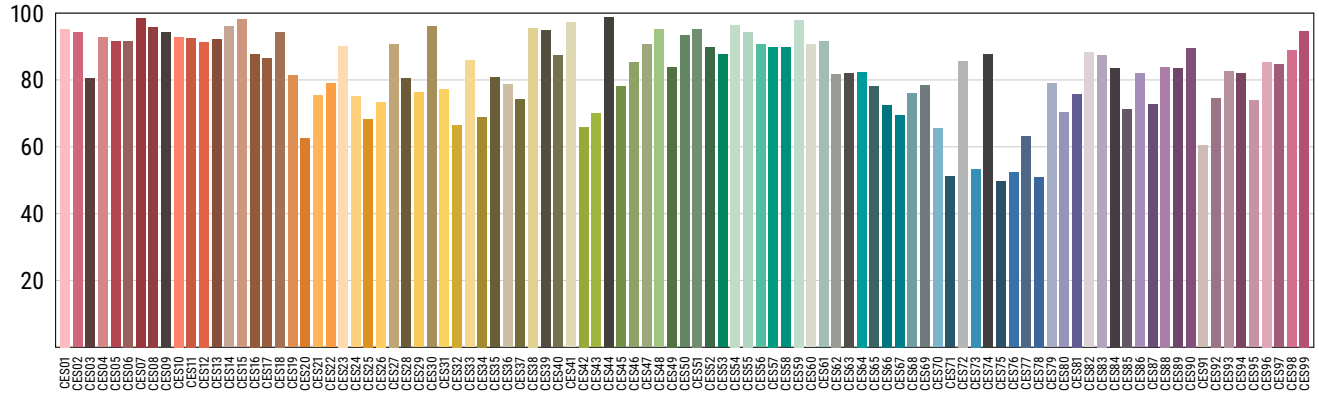
Chroma shift by hue



Color vector graphics



Fidelity Index, Rf



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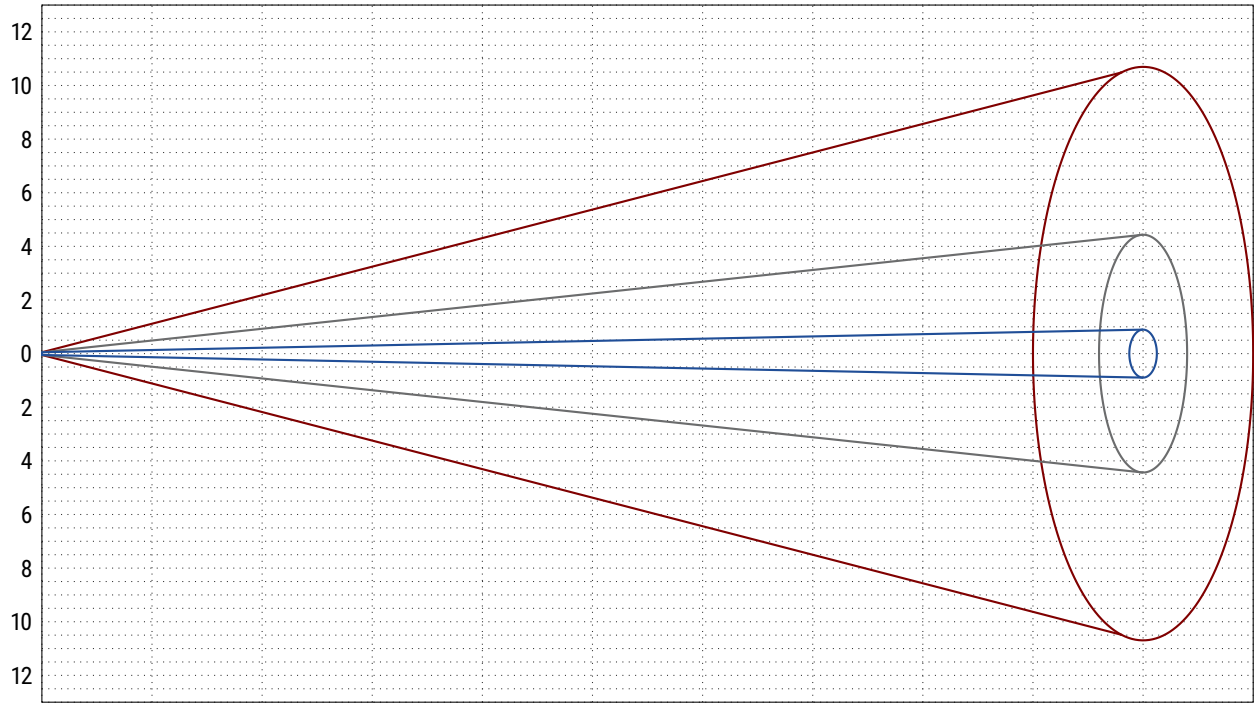
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Illuminance in Lux

Beam angle: 5.2° (Zoom min., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Boost	(Lux)	174451	43613	19383	10903	6978	4846	3560	2726	2154	1745
Standard	(Lux)	164333	41083	18259	10271	6573	4565	3354	2568	2029	1643
Silent	(Lux)	134260	33565	14918	8391	5370	3729	2740	2098	1658	1343
Whisper	(Lux)	110899	27725	12322	6931	4436	3081	2263	1733	1369	1109

Beam angle: 25° (Zoom mid., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Boost	(Lux)	18243	4561	2027	1140	730	507	372	285	225	182
Standard	(Lux)	17185	4296	1909	1074	687	477	351	269	212	172
Silent	(Lux)	14040	3510	1560	878	562	390	287	219	173	140
Whisper	(Lux)	11597	2899	1289	725	464	322	237	181	143	116

Beam angle: 54° (Zoom max., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39
Boost	(Lux)	3805	951	423	238	152	106	78	59	47	38
Standard	(Lux)	3584	896	398	224	143	100	73	56	44	36
Silent	(Lux)	2929	732	325	183	117	81	60	46	36	29
Whisper	(Lux)	2419	605	269	151	97	67	49	38	30	24



(m)	2	4	6	8	10	12	14	16	18	20
Ø	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Ø	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Ø	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39

Measured with fixture heated up

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M15

Photometric Report

5800K - CRI 70

Optical Parameters

Correlated Color Temperature (CCT)	5792K
Colour Rendering Index (CRI)	70.32 ±3
Angle	5.2° - 54° (1:10.4)
TM-30 Rf	76.14 ±3
TM-30 Rg	117.72 ±3

Cooling Modes

Mode	Luminous Flux (flashed)	Luminous Flux (heated up)
Boost	17223 lm	14880 lm
Standard	16228 lm	14021 lm
Silent	13265 lm	11461 lm
Whipser	10950 lm	9461 lm

Fixture Details & Conditions

Date of measurement	17.09.2026
Serial number	170003
Ambient temperature	25°C ±5°C
Warmup time	30 min

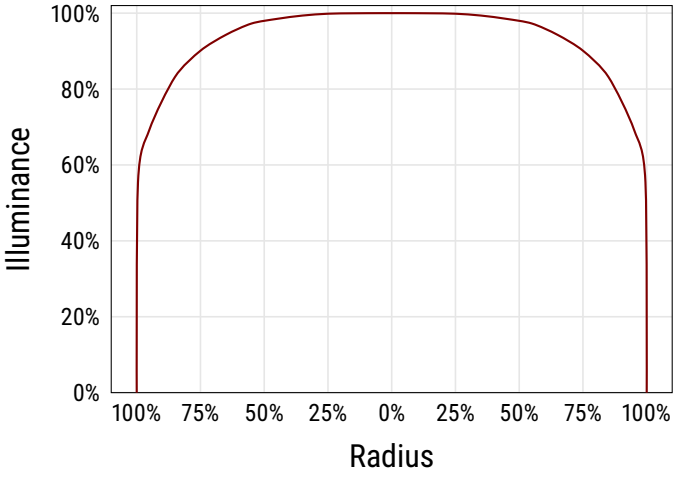
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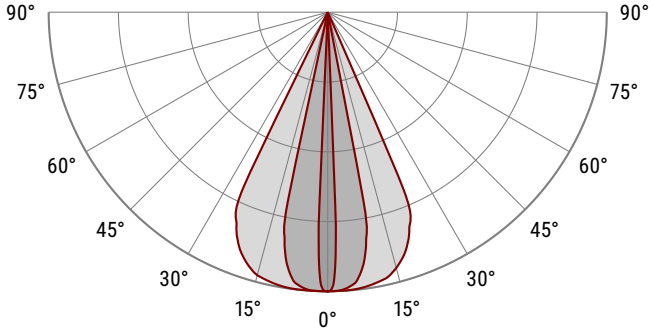
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5800K - CRI 70

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Beam Distribution

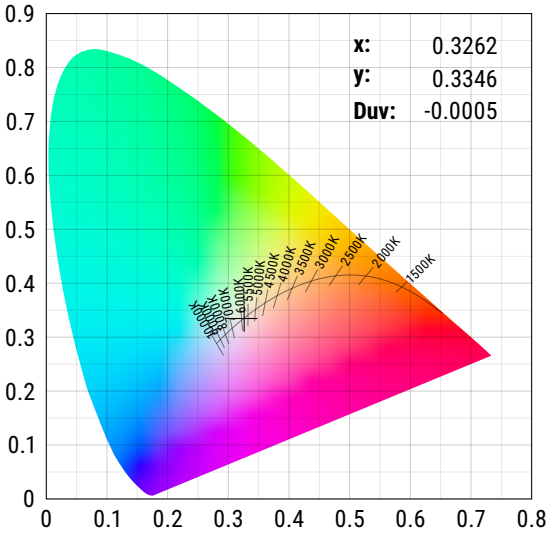


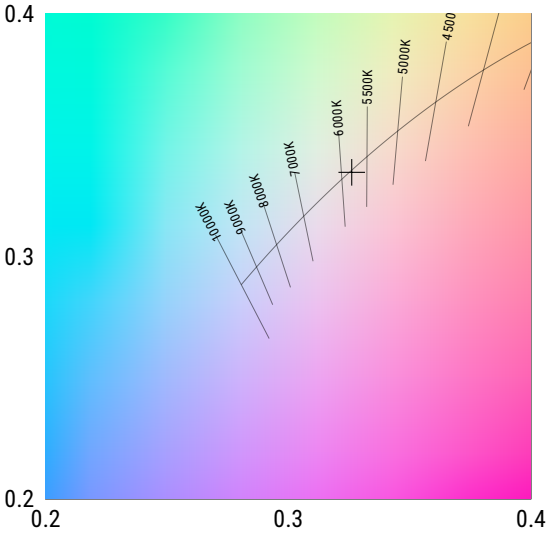


		Min	Mid	Max
Beam	(50%)	5.2	25	54
Field	(10%)	5.2	25	54
Cutoff	(3%)	5.2	25	54

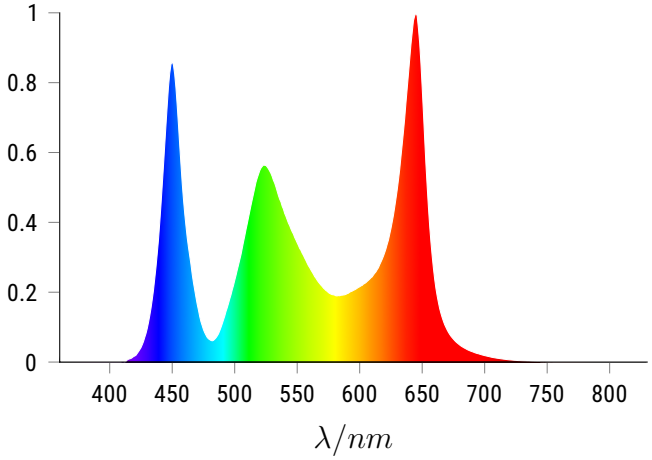
Color Details

CIE 1931

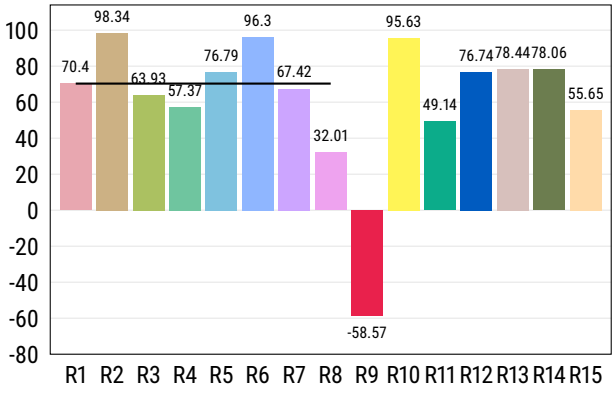




Spectral distribution



CRI: 70.32 (R1 - R8)



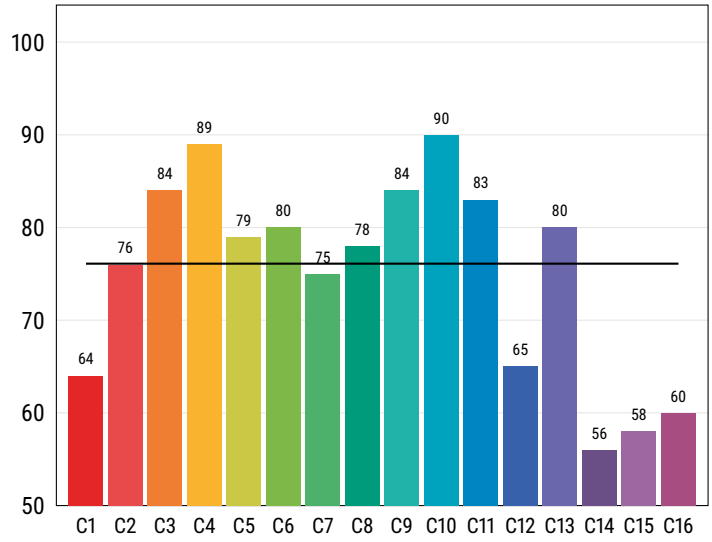
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M15
5800K - CRI 70

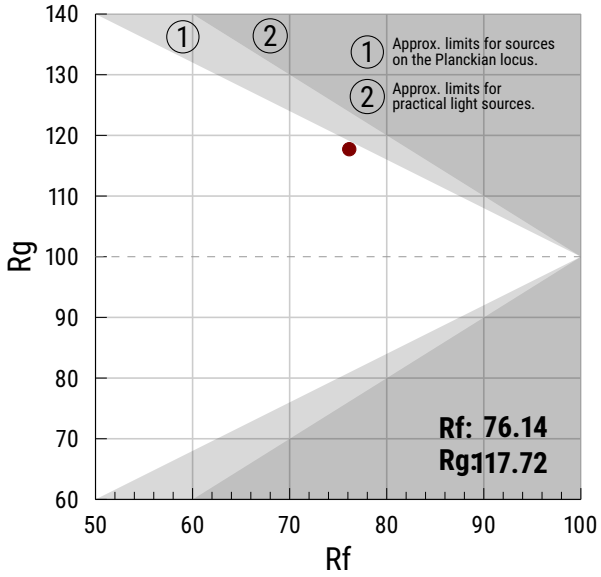
JB LIGHTING

TM30

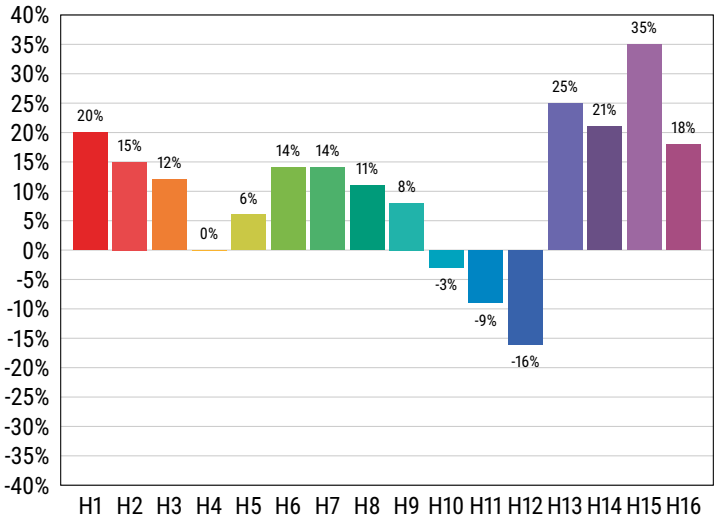
Rf by hue: 76.1



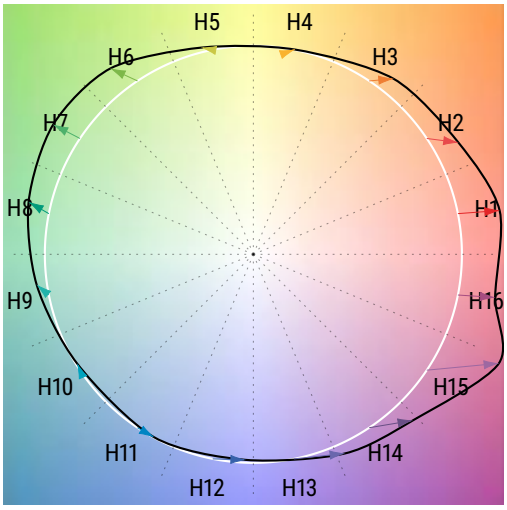
Fidelity-Gamut Plot



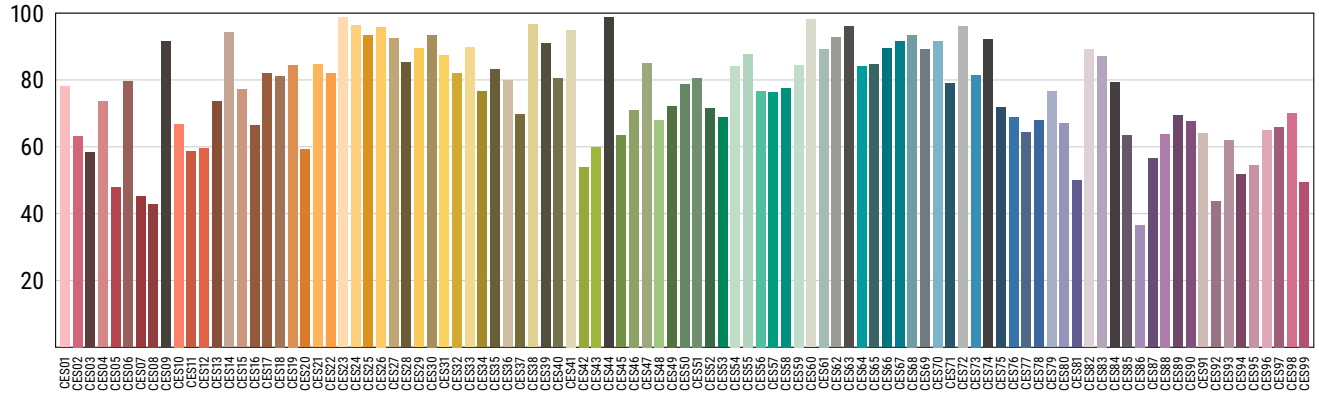
Chroma shift by hue



Color vector graphics



Fidelity Index, Rf



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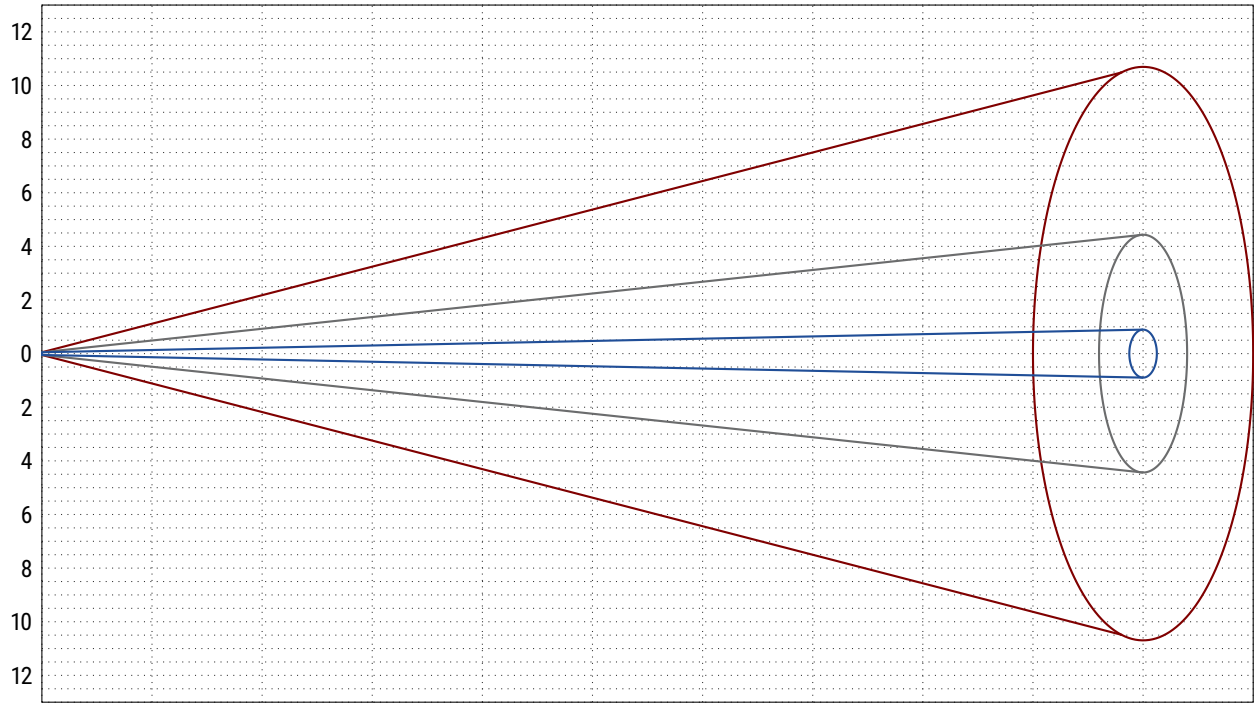
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Illuminance in Lux

Beam angle: 5.2° (Zoom min., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Boost	(Lux)	235969	58992	26219	14748	9439	6555	4816	3687	2913	2360
Standard	(Lux)	222282	55571	24698	13893	8891	6175	4536	3473	2744	2223
Silent	(Lux)	181605	45401	20178	11350	7264	5045	3706	2838	2242	1816
Whisper	(Lux)	150005	37501	16667	9375	6000	4167	3061	2344	1852	1500

Beam angle: 25° (Zoom mid., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Boost	(Lux)	24676	6169	2742	1542	987	685	504	386	305	247
Standard	(Lux)	23245	5811	2583	1453	930	646	474	363	287	232
Silent	(Lux)	18991	4748	2110	1187	760	528	388	297	234	190
Whisper	(Lux)	15687	3922	1743	980	627	436	320	245	194	157

Beam angle: 54° (Zoom max., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39
Boost	(Lux)	5147	1287	572	322	206	143	105	80	64	51
Standard	(Lux)	4848	1212	539	303	194	135	99	76	60	48
Silent	(Lux)	3961	990	440	248	158	110	81	62	49	40
Whisper	(Lux)	3272	818	364	204	131	91	67	51	40	33



(m)	2	4	6	8	10	12	14	16	18	20
Ø	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Ø	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Ø	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39

Measured with fixture heated up

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M15

Photometric Report

5800K - CRI 88

Optical Parameters

Correlated Color Temperature (CCT)	5809K
Colour Rendering Index (CRI)	88.4 ±3
Angle	5.2° - 54° (1:10.4)
TM-30 Rf	82.96 ±3
TM-30 Rg	105.24 ±3

Cooling Modes

Mode	Luminous Flux (flashed)	Luminous Flux (heated up)
Boost	11338 lm	9796 lm
Standard	10683 lm	9230 lm
Silent	8732 lm	7545 lm
Whipser	7209 lm	6228 lm

Fixture Details & Conditions

Date of measurement	17.09.2026
Serial number	170003
Ambient temperature	25°C ±5°C
Warmup time	30 min

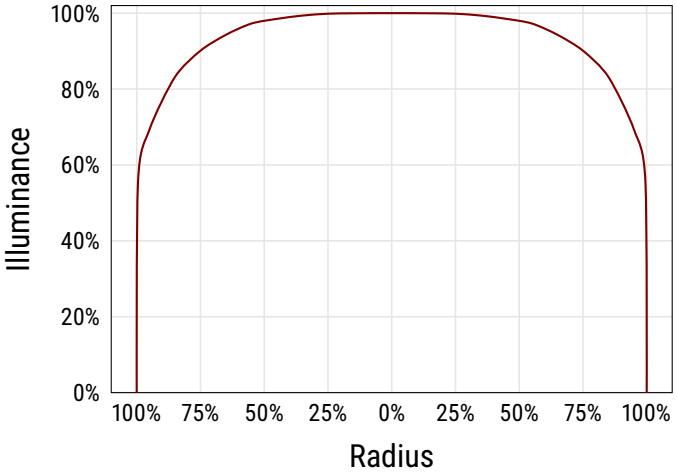
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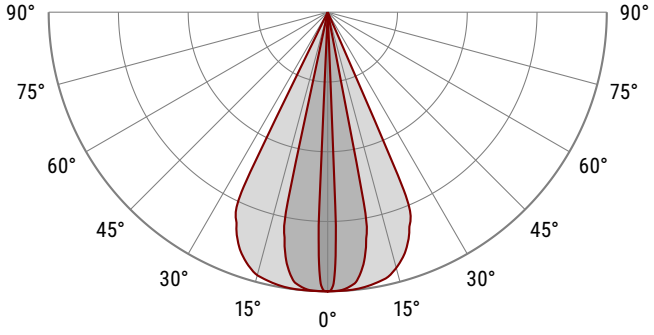
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M15
5800K - CRI 88

JB LIGHTING

Beam Distribution

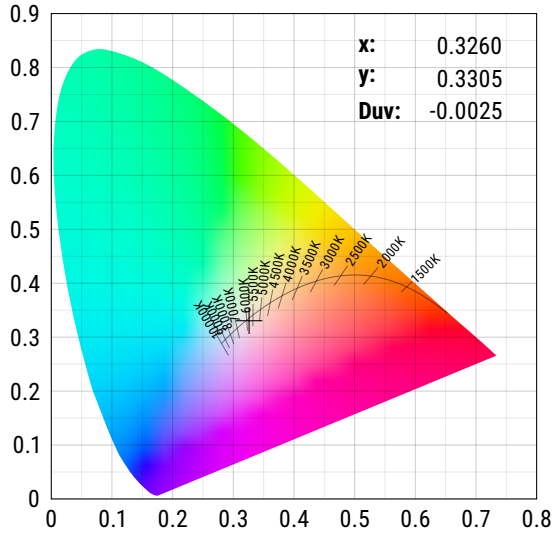


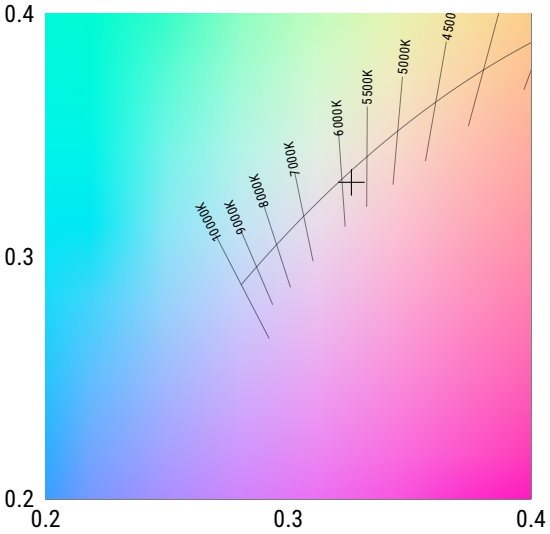


		Min	Mid	Max
Beam	(50%)	5.2	25	54
Field	(10%)	5.2	25	54
Cutoff	(3%)	5.2	25	54

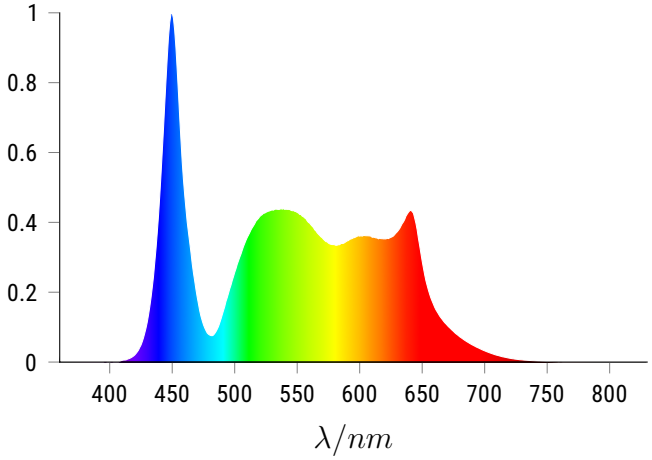
Color Details

CIE 1931

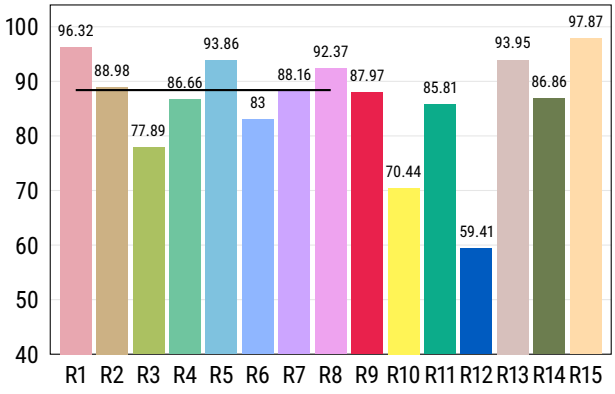




Spectral distribution



CRI: 88.4 (R1 - R8)



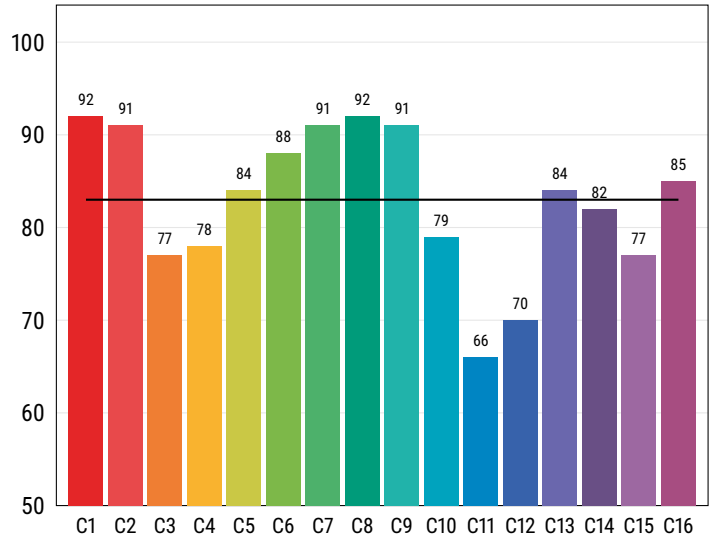
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M15
5800K - CRI 88

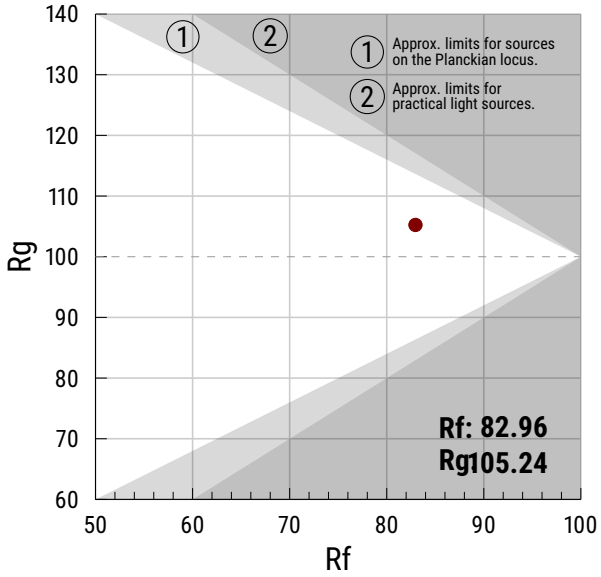
JB LIGHTING

TM30

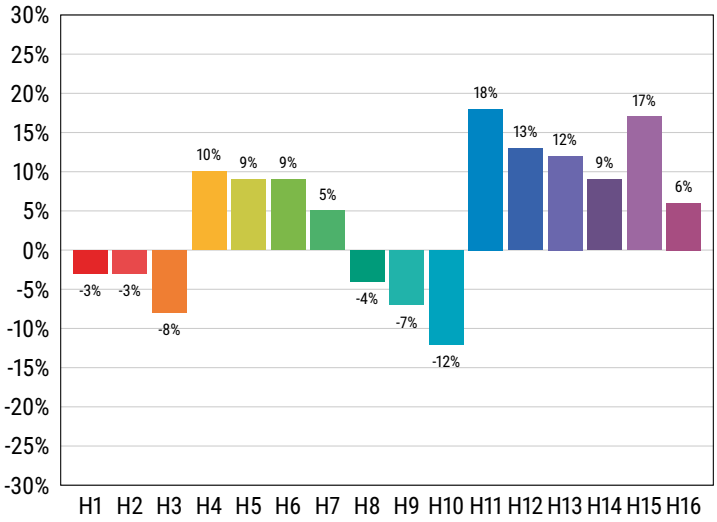
Rf by hue: 83.0



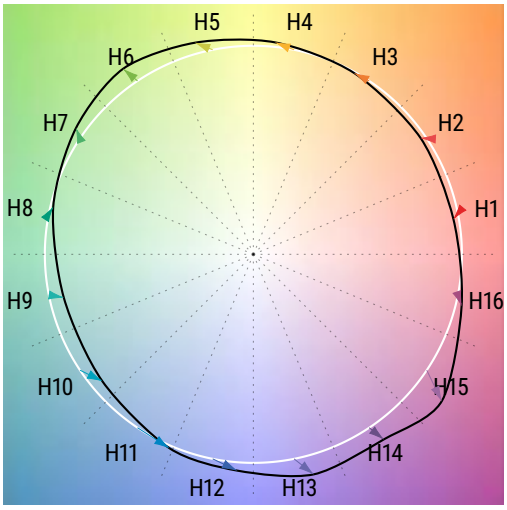
Fidelity-Gamut Plot



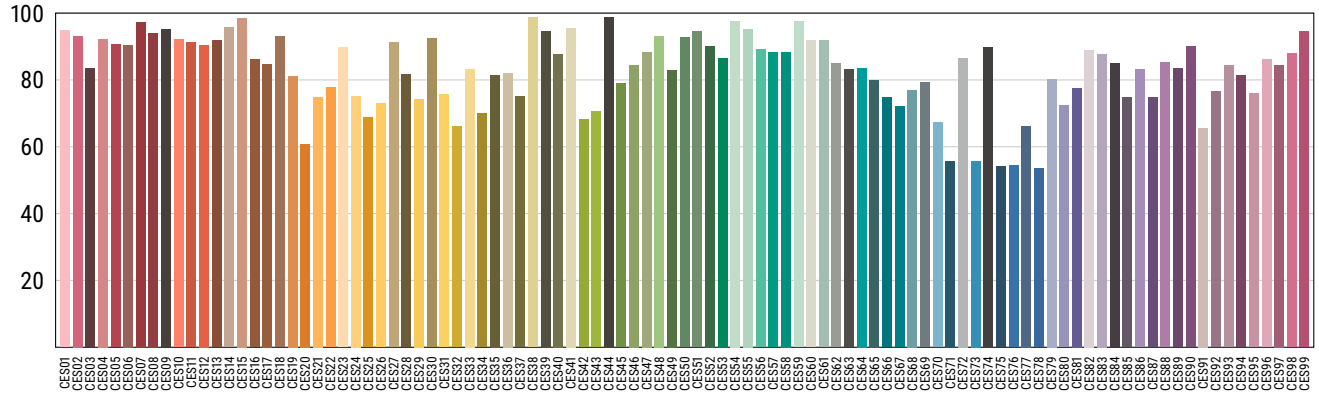
Chroma shift by hue



Color vector graphics



Fidelity Index, Rf



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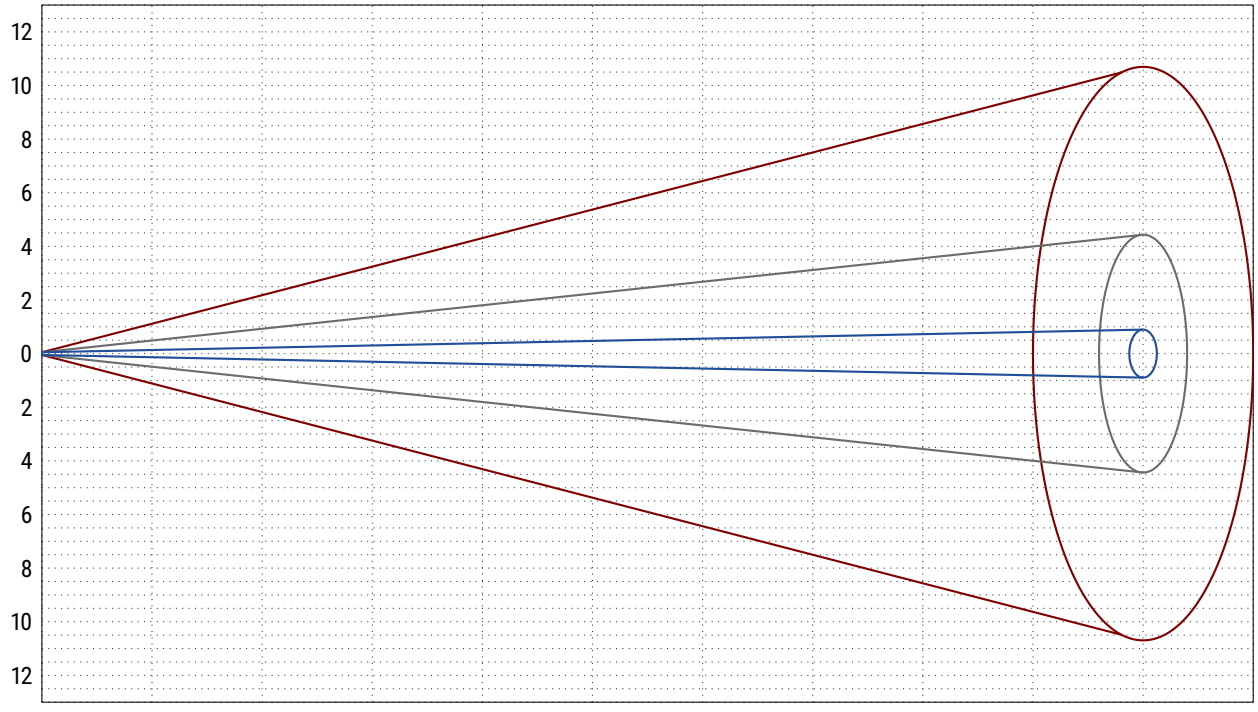
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Illuminance in Lux

Beam angle: 5.2° (Zoom min., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Boost	(Lux)	167299	41825	18589	10456	6692	4647	3414	2614	2065	1673
Standard	(Lux)	157595	39399	17511	9850	6304	4378	3216	2462	1946	1576
Silent	(Lux)	128755	32189	14306	8047	5150	3577	2628	2012	1590	1288
Whisper	(Lux)	106352	26588	11817	6647	4254	2954	2170	1662	1313	1064

Beam angle: 25° (Zoom mid., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Boost	(Lux)	17495	4374	1944	1093	700	486	357	273	216	175
Standard	(Lux)	16481	4120	1831	1030	659	458	336	258	203	165
Silent	(Lux)	13465	3366	1496	842	539	374	275	210	166	135
Whisper	(Lux)	11122	2780	1236	695	445	309	227	174	137	111

Beam angle: 54° (Zoom max., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39
Boost	(Lux)	3649	912	405	228	146	101	74	57	45	36
Standard	(Lux)	3438	859	382	215	138	95	70	54	42	34
Silent	(Lux)	2808	702	312	176	112	78	57	44	35	28
Whisper	(Lux)	2320	580	258	145	93	64	47	36	29	23



(m)	2	4	6	8	10	12	14	16	18	20
Ø	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Ø	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Ø	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39

Measured with fixture heated up

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M15

Photometric Report

3200K - CRI 72

Optical Parameters

Correlated Color Temperature (CCT)	3202K
Colour Rendering Index (CRI)	72 ±3
Angle	5.2° - 54° (1:10.4)
TM-30 Rf	80.65 ±3
TM-30 Rg	115.03 ±3

Cooling Modes

Mode	Luminous Flux (flashed)	Luminous Flux (heated up)
Boost	12787 lm	11048 lm
Standard	12048 lm	10410 lm
Silent	9848 lm	8509 lm
Whipser	8130 lm	7024 lm

Fixture Details & Conditions

Date of measurement	17.09.2026
Serial number	170003
Ambient temperature	25°C ±5°C
Warmup time	30 min

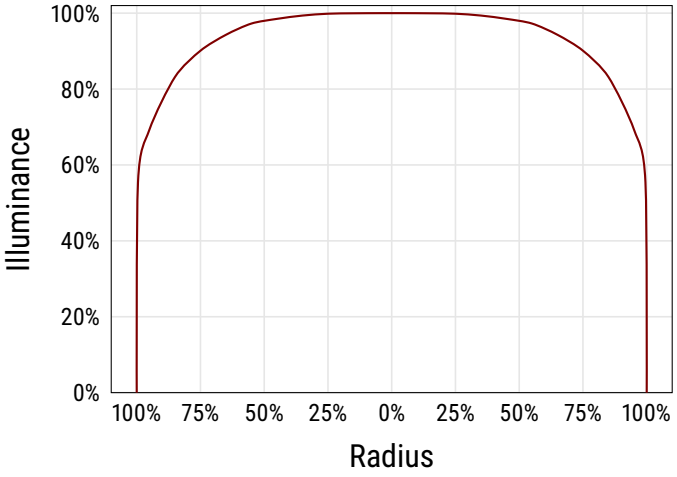
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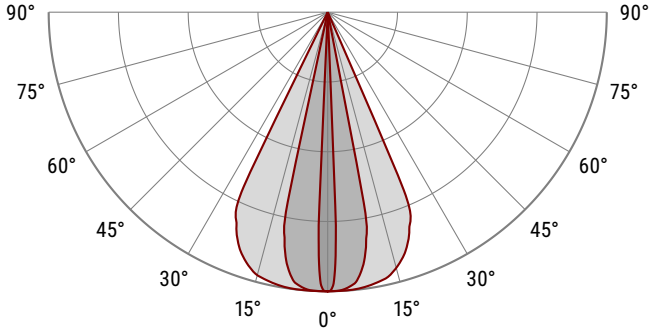
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M15
3200K - CRI 72

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Beam Distribution

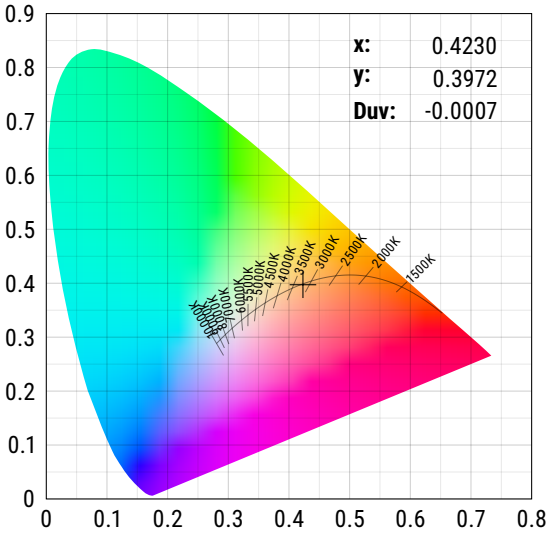


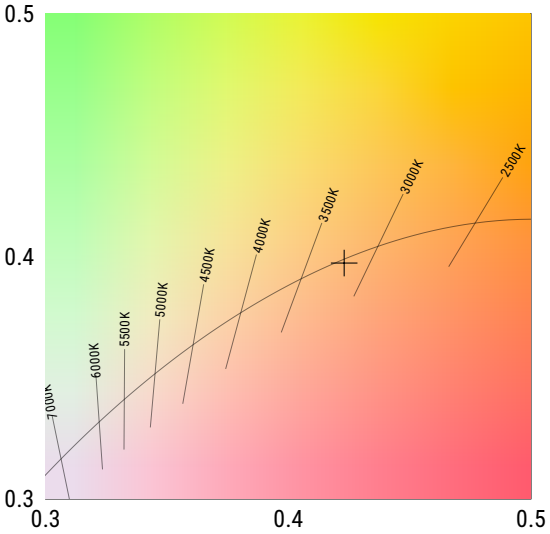


		Min	Mid	Max
Beam	(50%)	5.2	25	54
Field	(10%)	5.2	25	54
Cutoff	(3%)	5.2	25	54

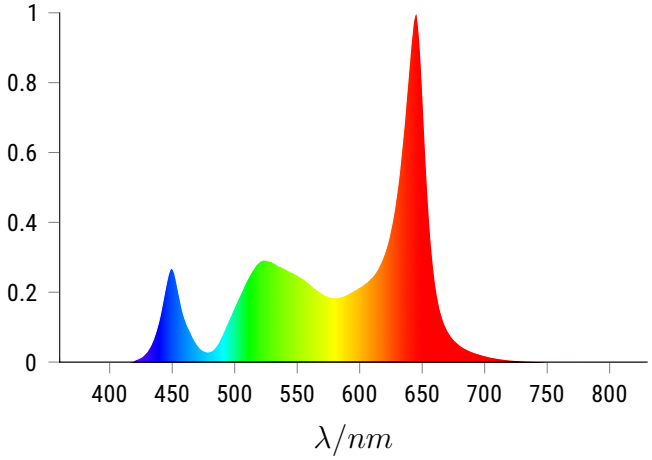
Color Details

CIE 1931

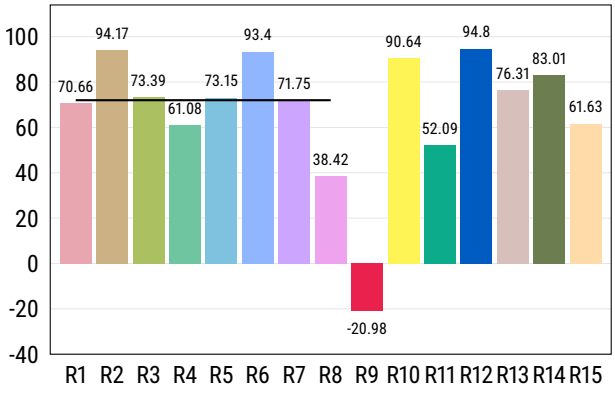




Spectral distribution



CRI: 72 (R1 - R8)



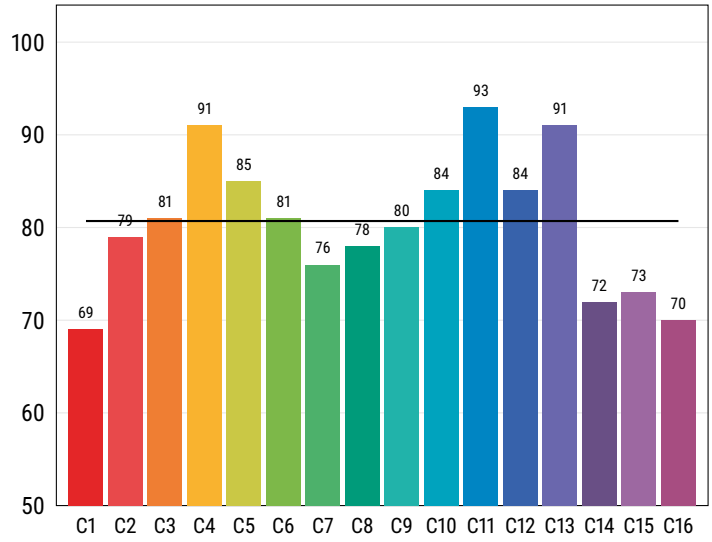
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M15
3200K - CRI 72

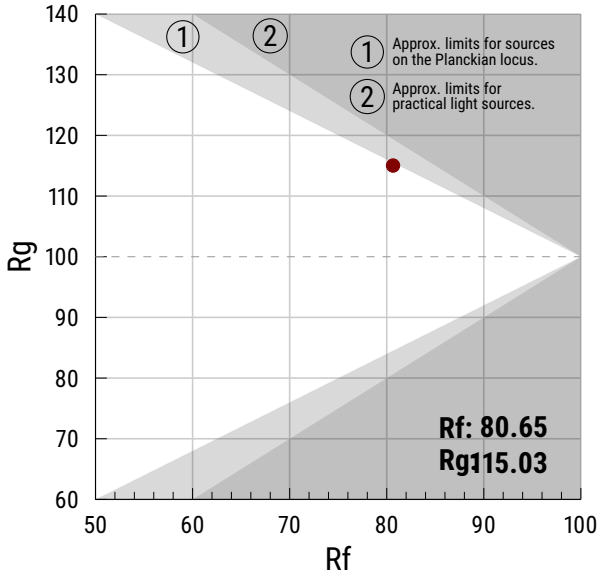
JB LIGHTING

TM30

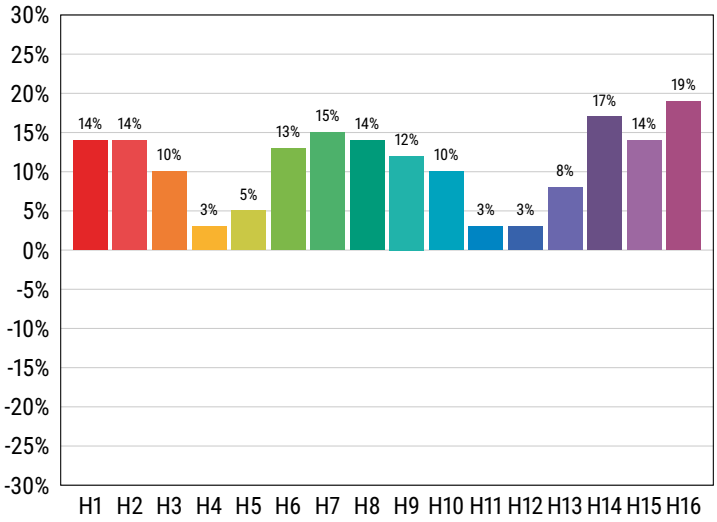
Rf by hue: 80.7



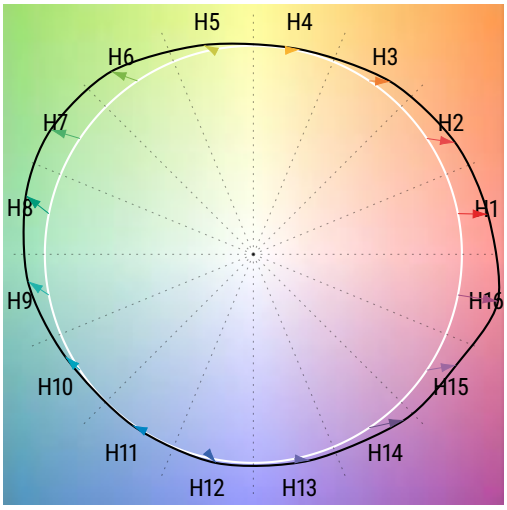
Fidelity-Gamut Plot



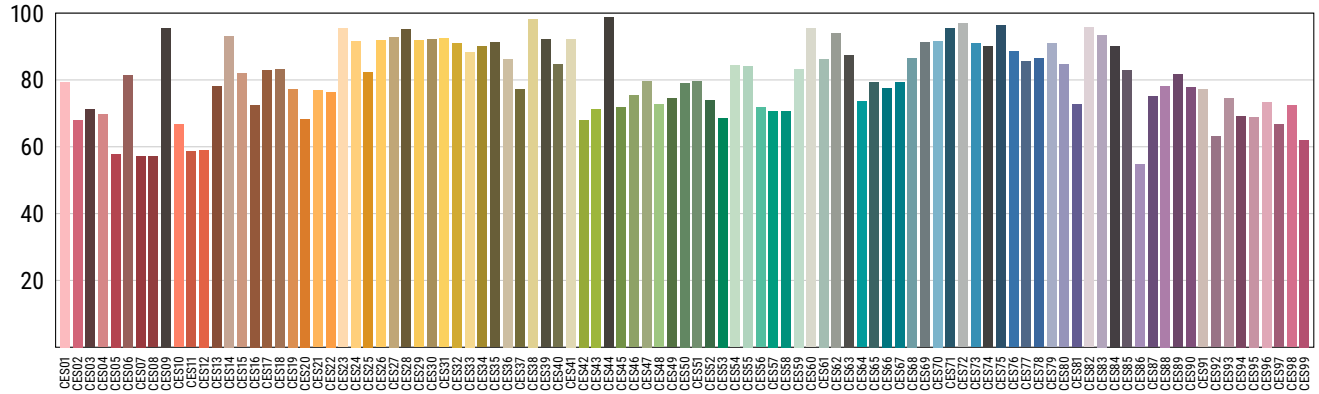
Chroma shift by hue



Color vector graphics



Fidelity Index, Rf



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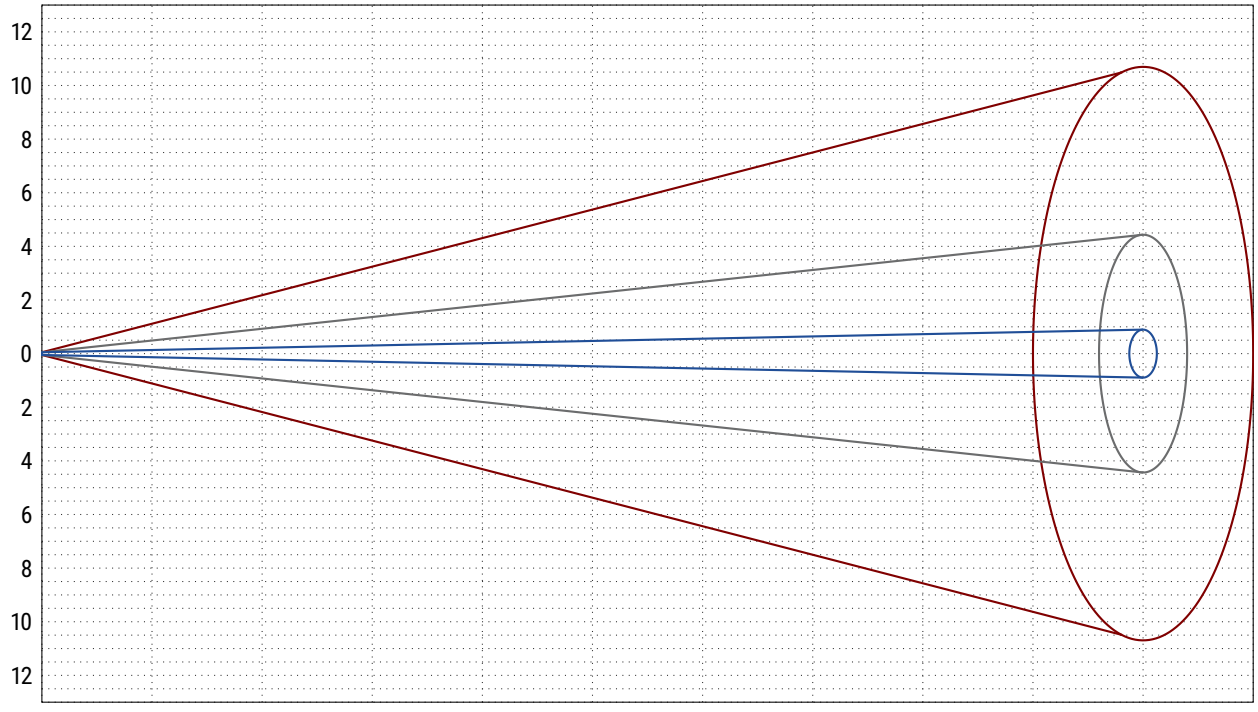
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Illuminance in Lux

Beam angle: 5.2° (Zoom min., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Boost	(Lux)	175183	43796	19465	10949	7007	4866	3575	2737	2163	1752
Standard	(Lux)	165022	41256	18336	10314	6601	4584	3368	2578	2037	1650
Silent	(Lux)	134823	33706	14980	8426	5393	3745	2751	2107	1664	1348
Whisper	(Lux)	111364	27841	12374	6960	4455	3093	2273	1740	1375	1114

Beam angle: 25° (Zoom mid., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Boost	(Lux)	18320	4580	2036	1145	733	509	374	286	226	183
Standard	(Lux)	17257	4314	1917	1079	690	479	352	270	213	173
Silent	(Lux)	14099	3525	1567	881	564	392	288	220	174	141
Whisper	(Lux)	11646	2911	1294	728	466	323	238	182	144	116

Beam angle: 54° (Zoom max., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39
Boost	(Lux)	3821	955	425	239	153	106	78	60	47	38
Standard	(Lux)	3600	900	400	225	144	100	73	56	44	36
Silent	(Lux)	2941	735	327	184	118	82	60	46	36	29
Whisper	(Lux)	2429	607	270	152	97	67	50	38	30	24



(m)	2	4	6	8	10	12	14	16	18	20
Ø	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Ø	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Ø	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39

Measured with fixture heated up

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M15

Photometric Report

3200K - CRI 91

Optical Parameters

Correlated Color Temperature (CCT)	3223K
Colour Rendering Index (CRI)	90.56 ±3
Angle	5.2° - 54° (1:10.4)
TM-30 Rf	89.52 ±3
TM-30 Rg	108.96 ±3

Cooling Modes

Mode	Luminous Flux (flashed)	Luminous Flux (heated up)
Boost	10021 lm	8658 lm
Standard	9442 lm	8158 lm
Silent	7718 lm	6668 lm
Whipser	6372 lm	5505 lm

Fixture Details & Conditions

Date of measurement	17.09.2026
Serial number	170003
Ambient temperature	25°C ±5°C
Warmup time	30 min

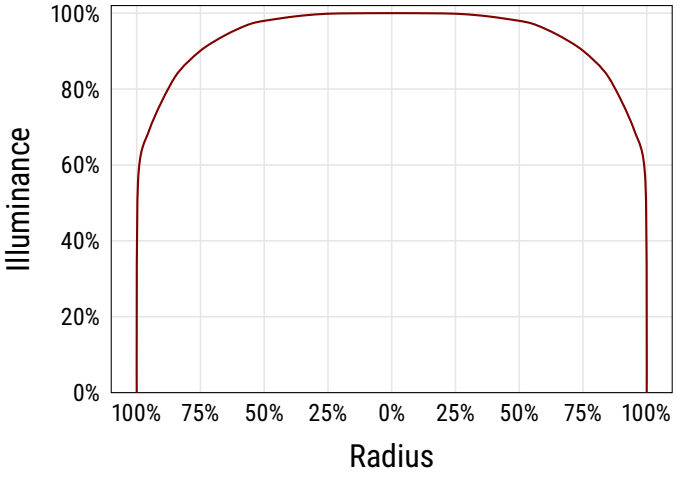
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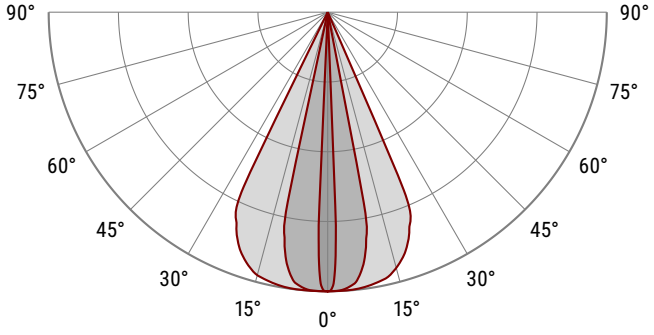
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M15
3200K - CRI 91

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Beam Distribution

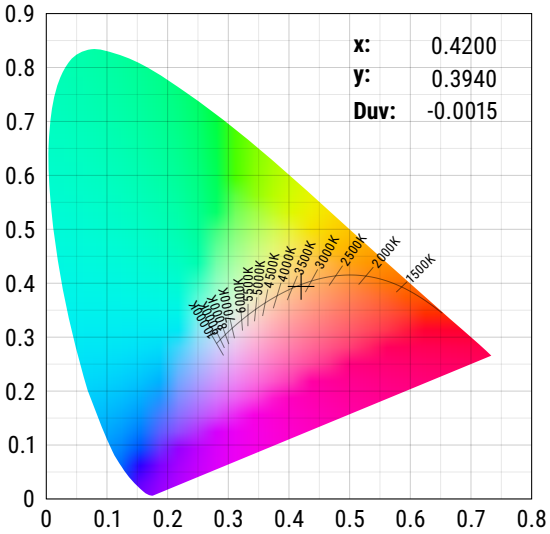


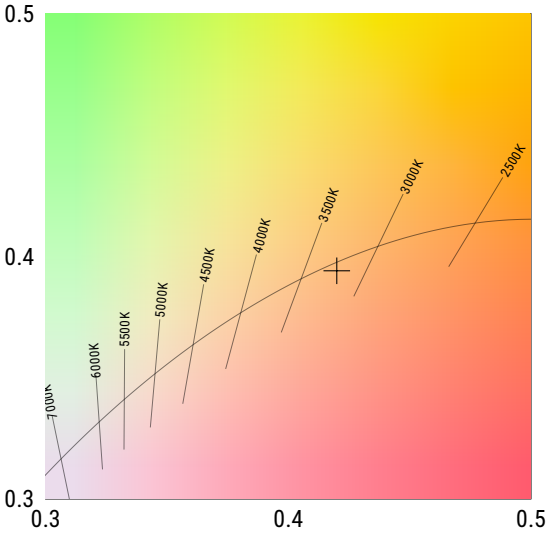


		Min	Mid	Max
Beam	(50%)	5.2	25	54
Field	(10%)	5.2	25	54
Cutoff	(3%)	5.2	25	54

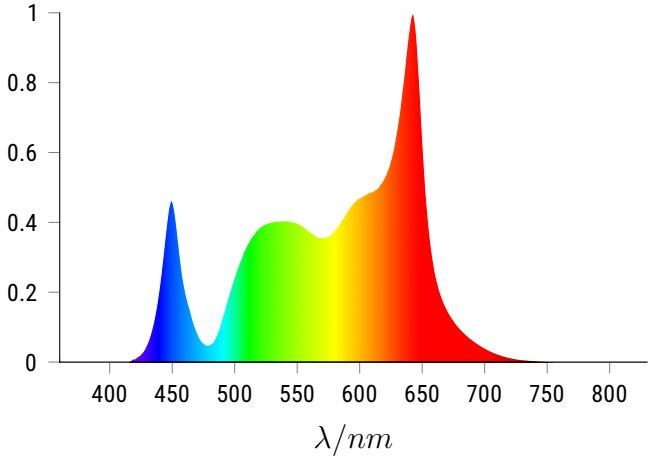
Color Details

CIE 1931

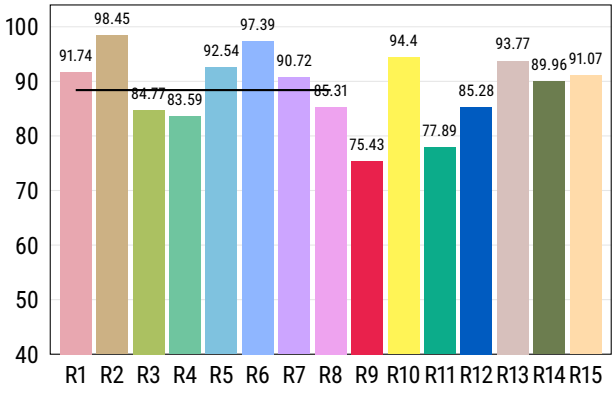




Spectral distribution



CRI: 88.4 (R1 - R8)



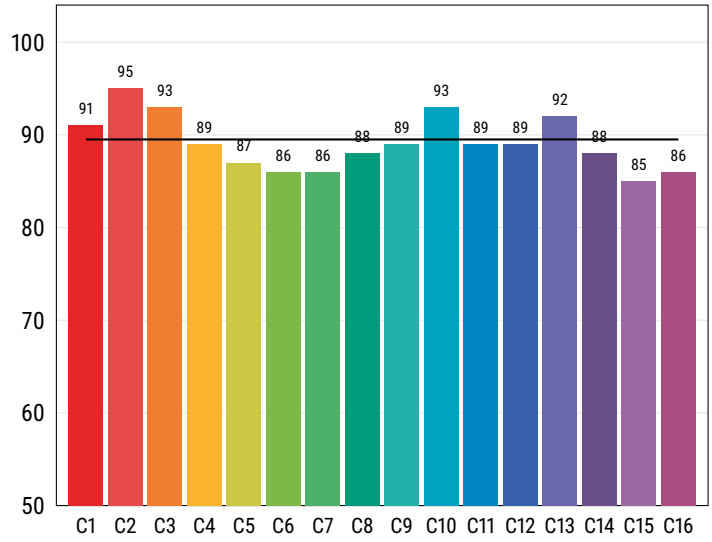
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M15
3200K - CRI 91

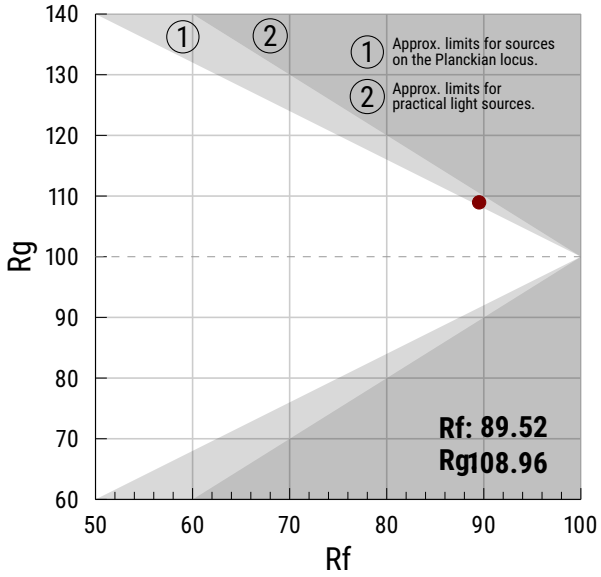
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TM30

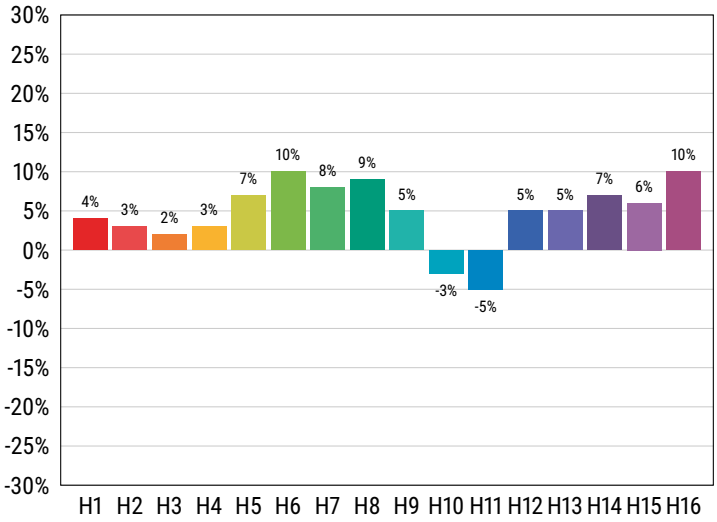
Rf by hue: 89.5



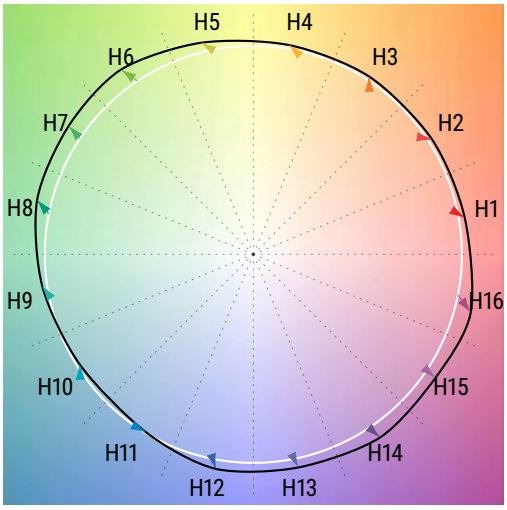
Fidelity-Gamut Plot



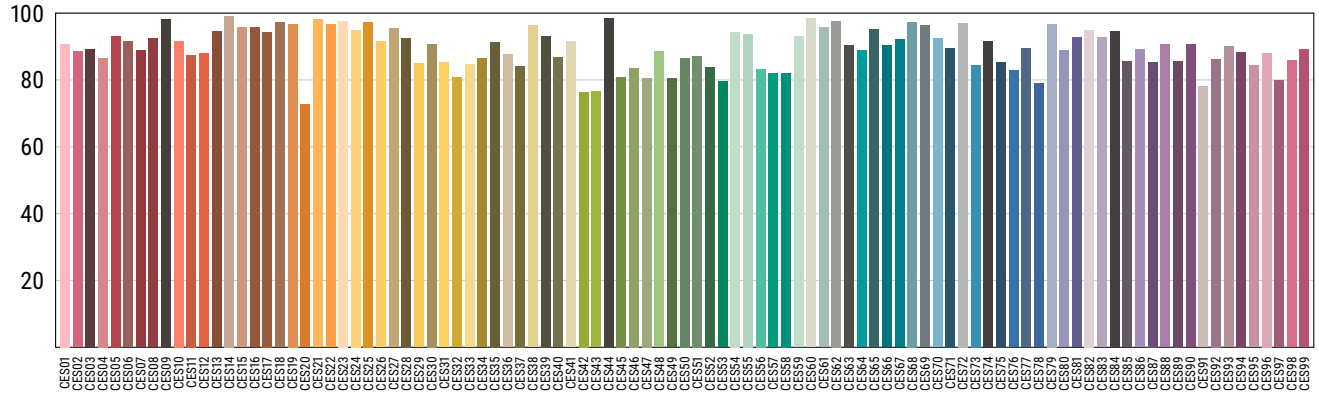
Chroma shift by hue



Color vector graphics



Fidelity Index, Rf



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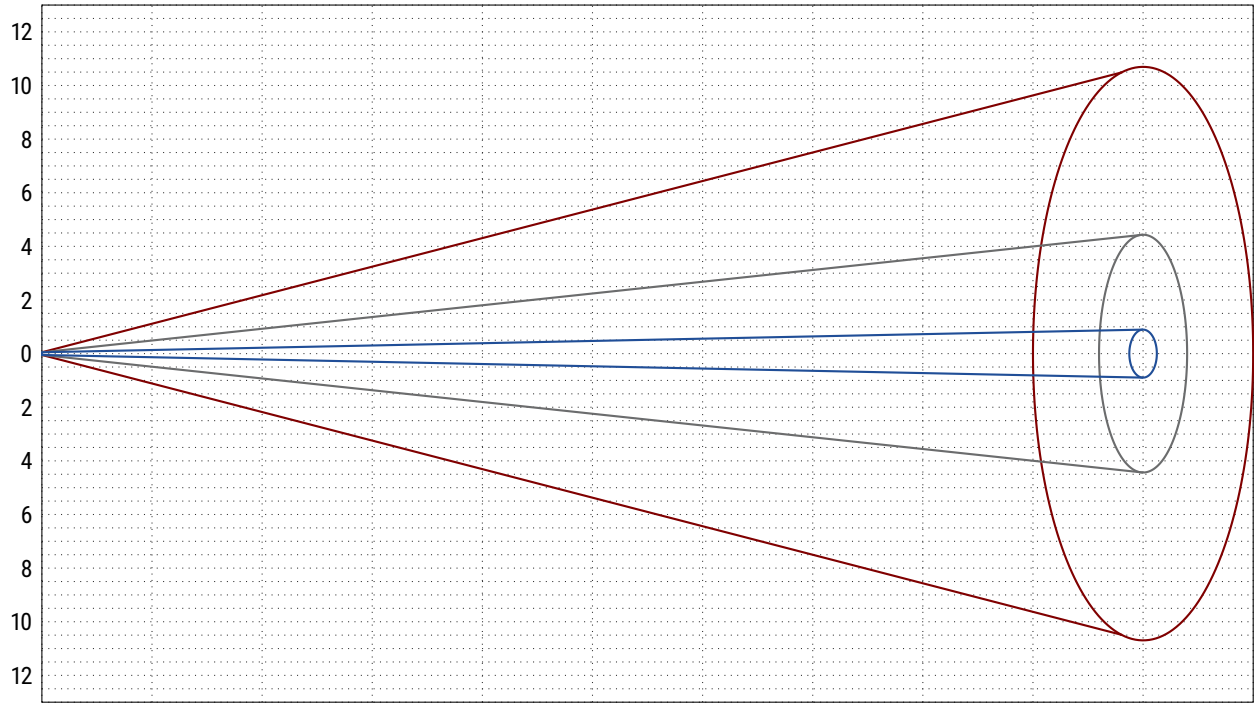
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Illuminance in Lux

Beam angle: 5.2° (Zoom min., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Boost	(Lux)	147859	36965	16429	9241	5914	4107	3018	2310	1825	1479
Standard	(Lux)	139283	34821	15476	8705	5571	3869	2843	2176	1720	1393
Silent	(Lux)	113794	28449	12644	7112	4552	3161	2322	1778	1405	1138
Whisper	(Lux)	93994	23498	10444	5875	3760	2611	1918	1469	1160	940

Beam angle: 25° (Zoom mid., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Boost	(Lux)	15462	3866	1718	966	618	430	316	242	191	155
Standard	(Lux)	14566	3641	1618	910	583	405	297	228	180	146
Silent	(Lux)	11900	2975	1322	744	476	331	243	186	147	119
Whisper	(Lux)	9829	2457	1092	614	393	273	201	154	121	98

Beam angle: 54° (Zoom max., 10% Field)											
Distance	(m)	**2**	**4**	**6**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
Ø	(m)	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39
Boost	(Lux)	3225	806	358	202	129	90	66	50	40	32
Standard	(Lux)	3038	760	338	190	122	84	62	47	38	30
Silent	(Lux)	2482	621	276	155	99	69	51	39	31	25
Whisper	(Lux)	2050	513	228	128	82	57	42	32	25	21



(m)	2	4	6	8	10	12	14	16	18	20
Ø	0.18	0.36	0.54	0.72	0.90	1.07	1.25	1.43	1.61	1.79
Ø	0.89	1.77	2.66	3.55	4.43	5.32	6.21	7.10	7.98	8.87
Ø	2.14	4.28	6.42	8.56	10.70	12.83	14.97	17.11	19.25	21.39

Measured with fixture heated up

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