

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 91.3

Color temperature:

3045 K

Output: 896 lm

Peak: 4306 cd

Power: 12.9 W

PF: 0.95

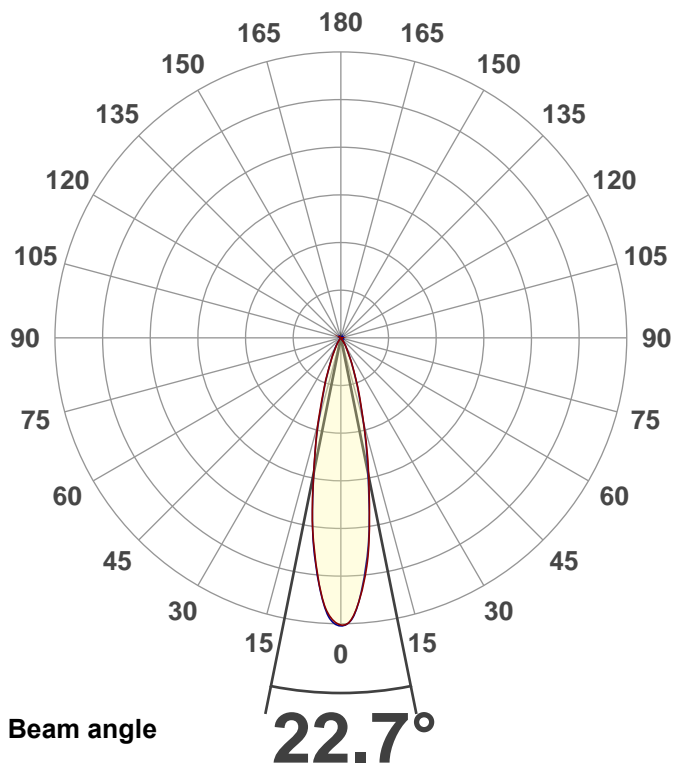


Product name:

DF5-SW-30K-90-24D-UNV-DIM10-NC-WH-BK

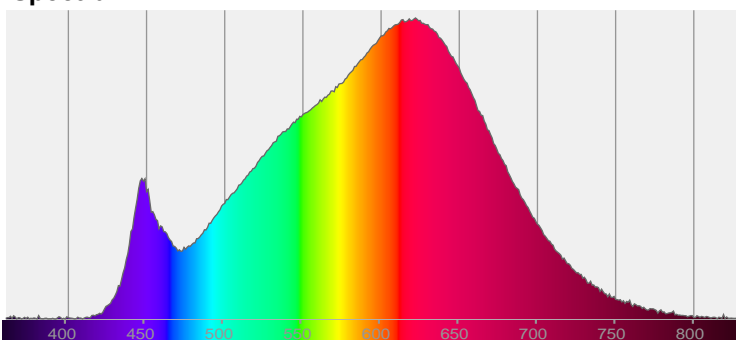
Date and time:

5/8/2019 11:00:57 AM

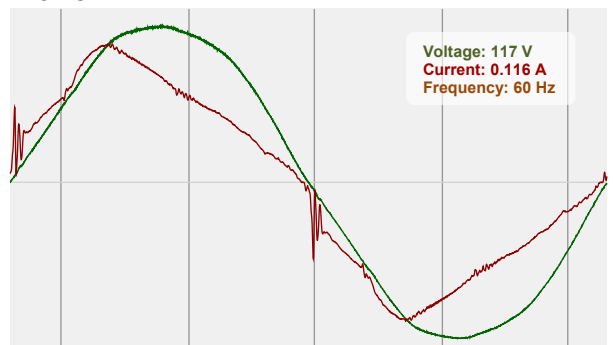


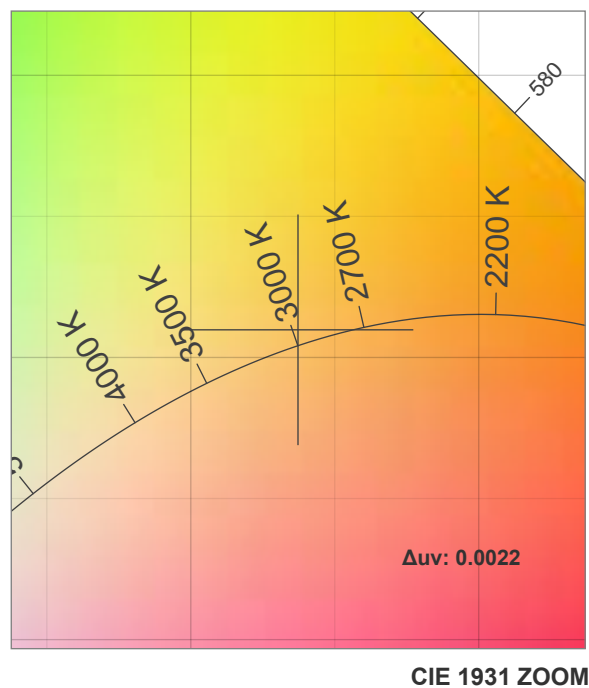
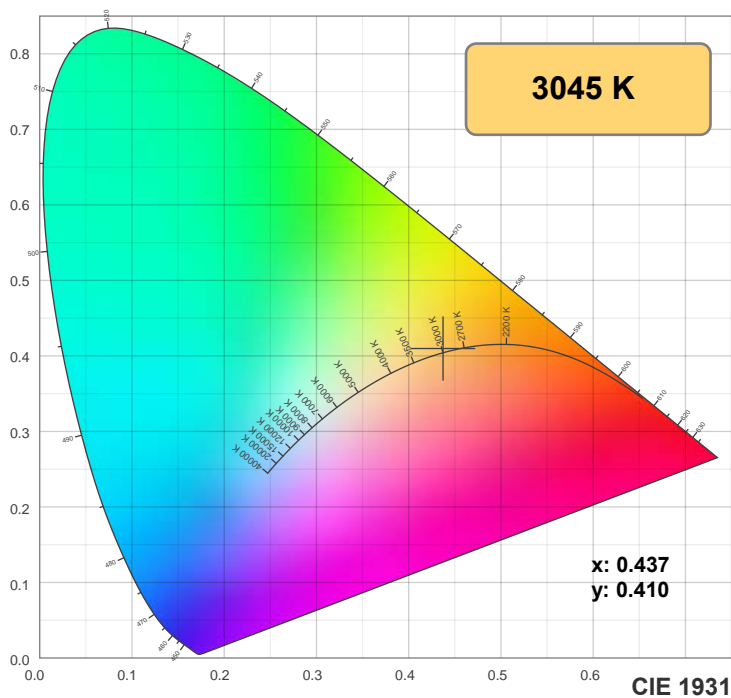
CIE 1931
x: 0.437
y: 0.410

Spectra

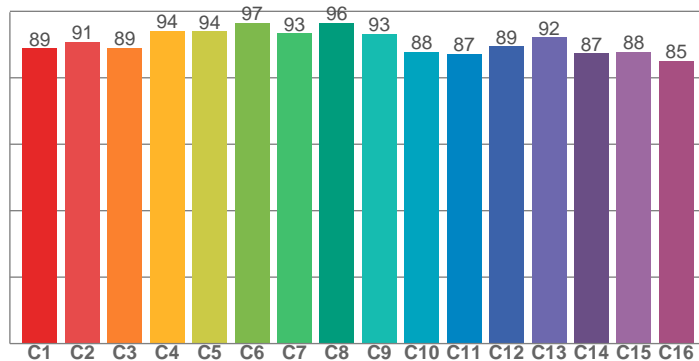


Power

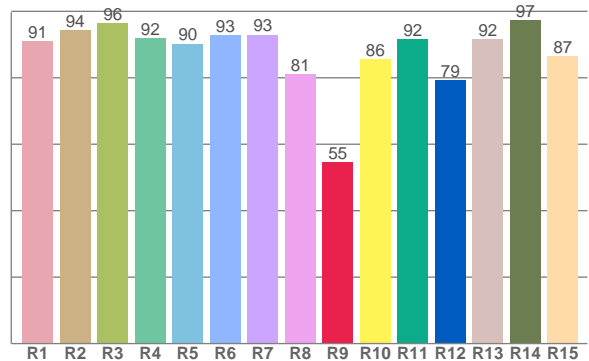




TM30: 90.8



CRI: 91.3 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90.9	94.3	96.4	91.8	90.3	92.8	93.0	81.0	54.7	85.7	91.7	79.2	91.6	97.3	86.6

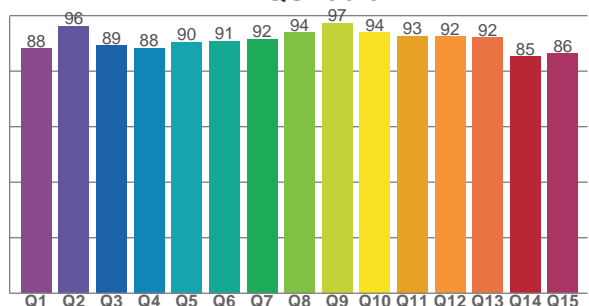
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.8	90.8	89.0	94.1	94.0	96.5	93.4	96.4	93.2	87.8	87.2	89.4	92.1	87.3	87.8	85.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.1	96.2	89.2	88.4	90.4	90.8	91.6	93.9	97.3	93.9	92.7	92.5	92.1	85.3	86.4

CQS: 90.5



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3045 K	91.3	54.7	90.8	98.2	90.5	0.437	0.410	0.248	0.349	0.0022

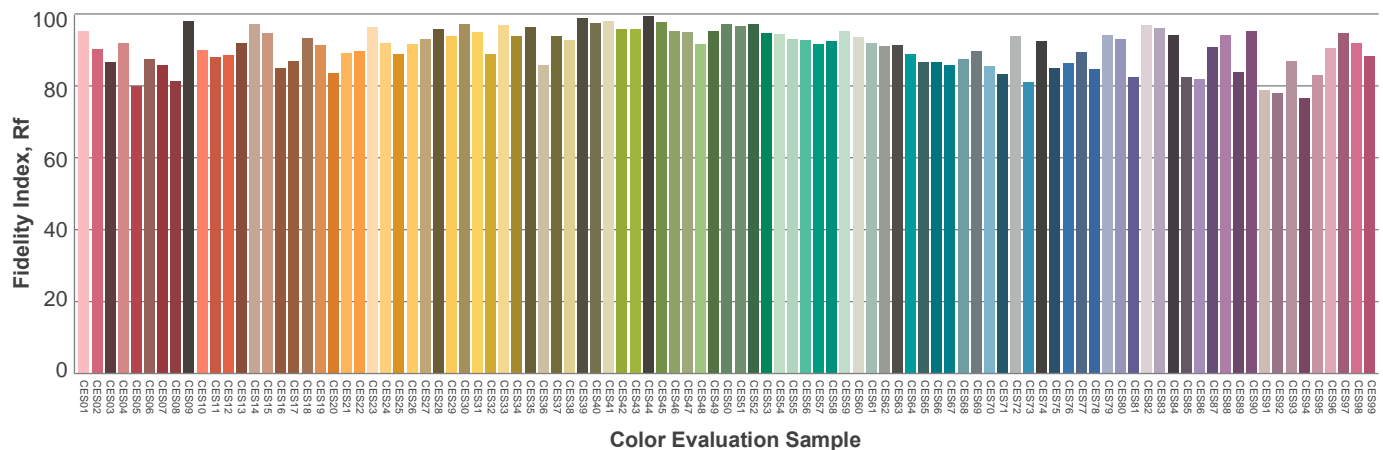
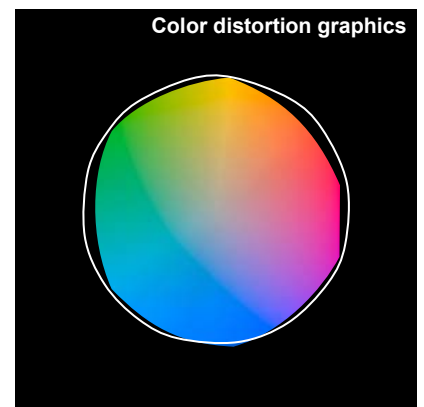
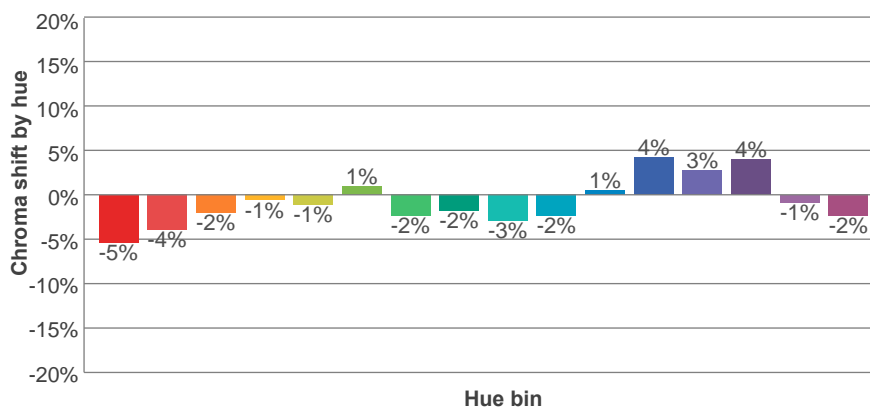
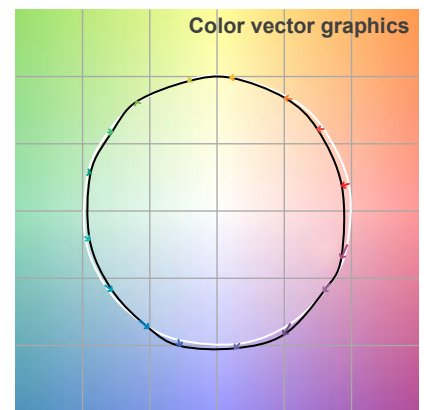
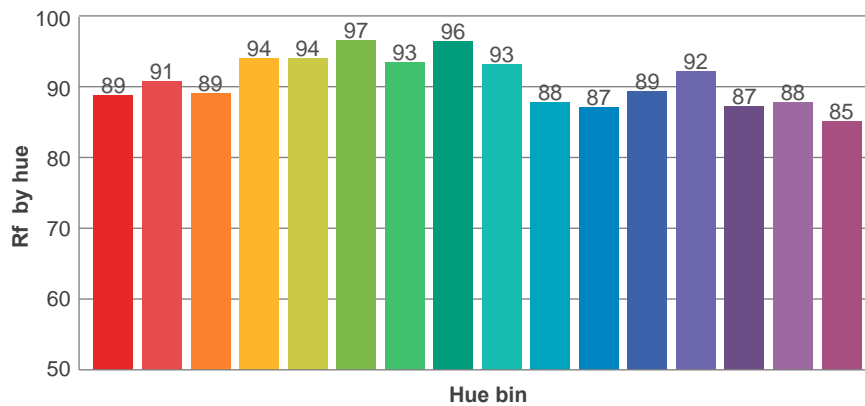
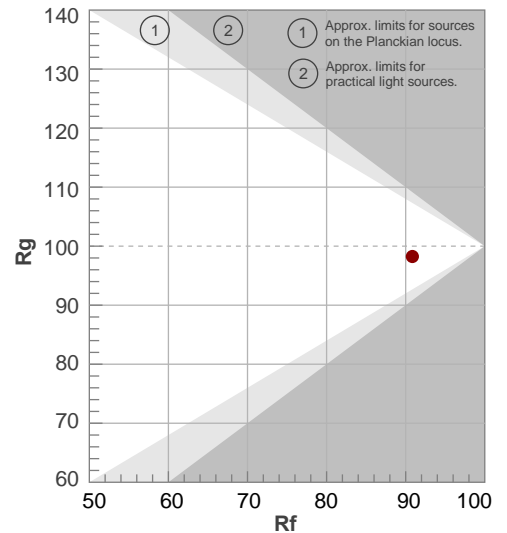
Rf 90.8

Fidelity index Rf

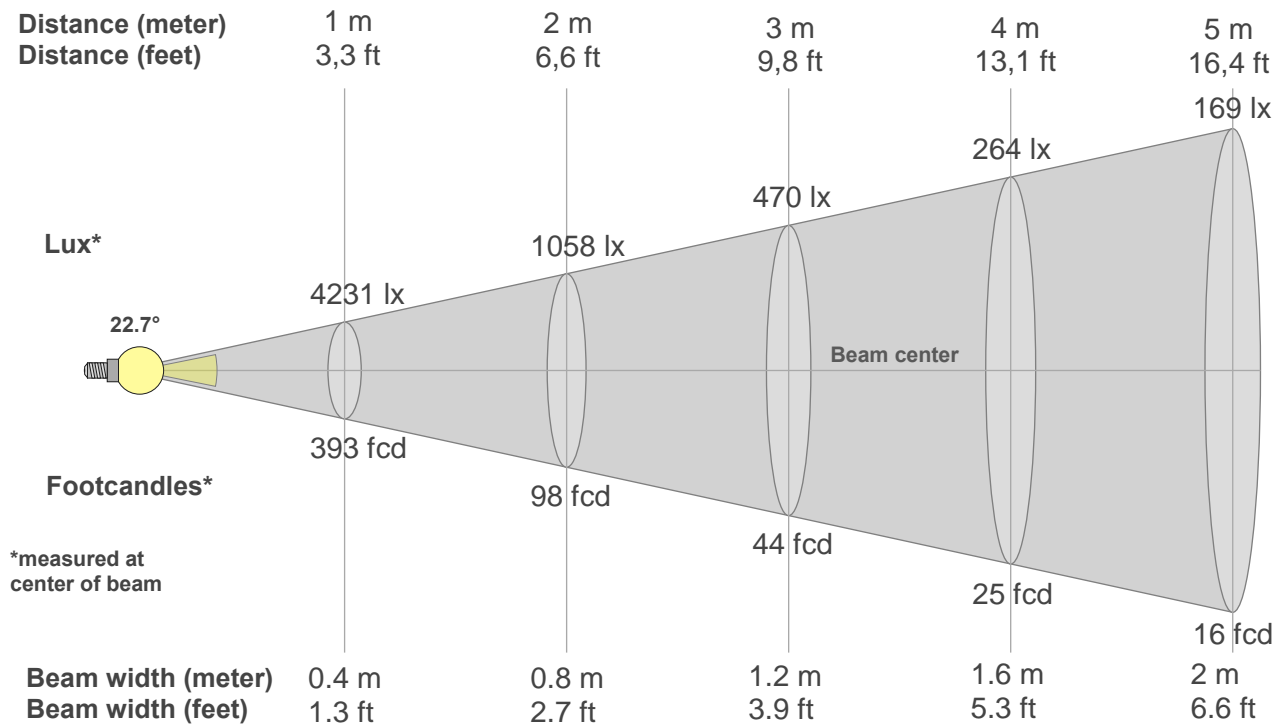
Rg 98.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	-1%
2	91	-4%	2%
3	89	-2%	5%
4	94	-1%	3%
5	94	-1%	2%
6	97	1%	0%
7	93	-2%	-2%
8	96	-2%	0%
9	93	-3%	3%
10	88	-2%	6%
11	87	1%	9%
12	89	4%	2%
13	92	3%	-4%
14	87	4%	-8%
15	88	-1%	-7%
16	85	-2%	-10%



Beam Details



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
4231lx	1058lx	470lx	264lx	169lx	118lx	86lx	66lx	52lx	42lx	35lx	29lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
393.1fcd	98.3fcd	43.7fcd	24.6fcd	15.7fcd	10.9fcd	8fcd	6.1fcd	4.9fcd	3.9fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd	1fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4231	4259	3904	3549	3076	2530	2000	1601	1202	914	701	498	386	274	199	152	106	75	44	24
100%	101%	92%	84%	73%	60%	47%	38%	28%	22%	17%	12%	9%	6%	5%	4%	3%	2%	1%	1%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4231	4238	3915	3494	3040	2497	1954	1548	1185	865	675	485	363	264	180	140	101	69	40	16
100%	100%	93%	83%	72%	59%	46%	37%	28%	20%	16%	11%	9%	6%	4%	3%	2%	2%	1%	0%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4231	4150	3929	3473	3018	2510	1992	1540	1207	873	672	494	347	262	176	133	99	68	43	18
100%	98%	93%	82%	71%	59%	47%	36%	29%	21%	16%	12%	8%	6%	4%	3%	2%	2%	1%	0%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4231	4224	3915	3489	3038	2496	1954	1532	1161	828	647	467	353	271	196	156	116	84	56	30
100%	100%	93%	82%	72%	59%	46%	36%	27%	20%	15%	11%	8%	6%	5%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.7°	46.5°	65.2°	99.7%	99.6%