

Light efficiency:

55 Lumen/Watt

Light quality:

CRI: 91.1

Color temperature:

3018 K

Output: 362 lm

Peak: 1755 cd

Power: 6.6 W

PF: 0.91

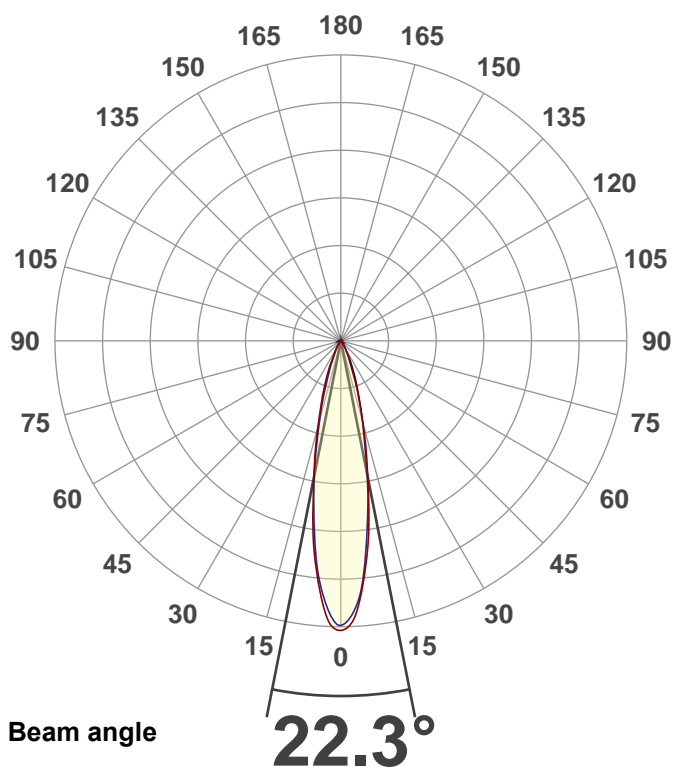


Product name:

DF2-SW-30K-90-24D-UNV-DIM10-NC-WH-BK

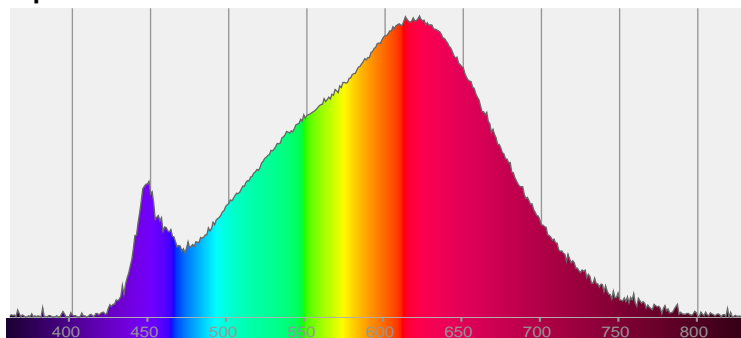
Date and time:

5/6/2019 9:24:01 AM

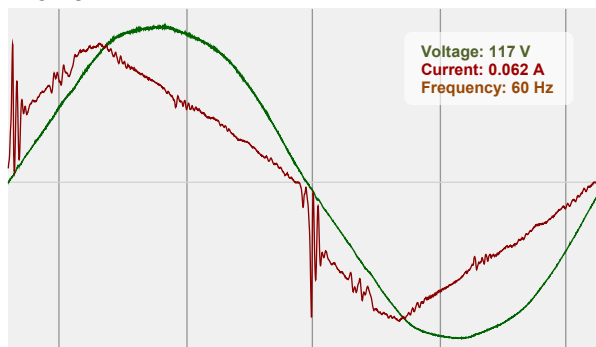


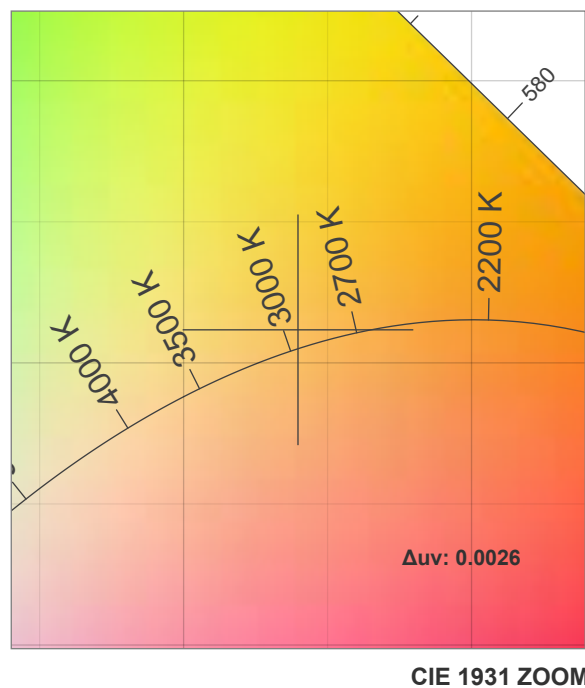
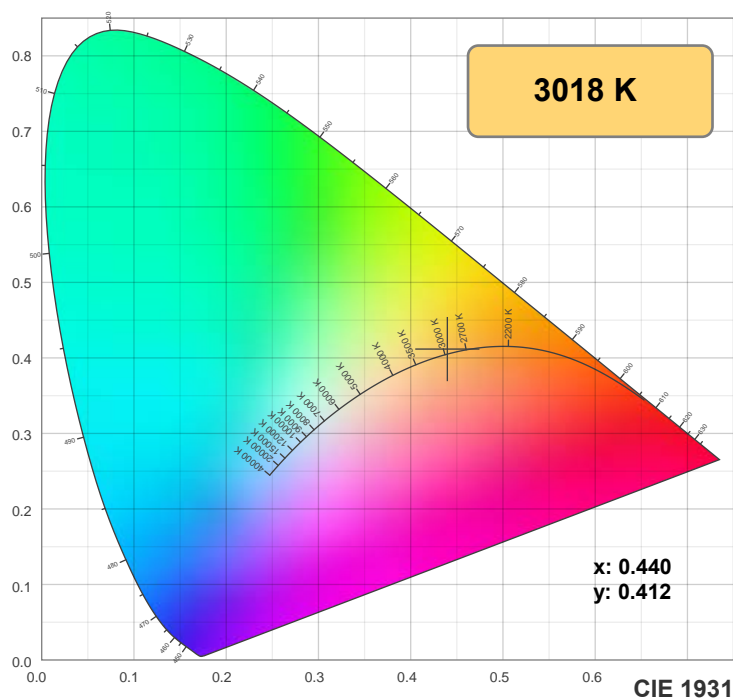
CIE 1931
x: 0.440
y: 0.412

Spectra

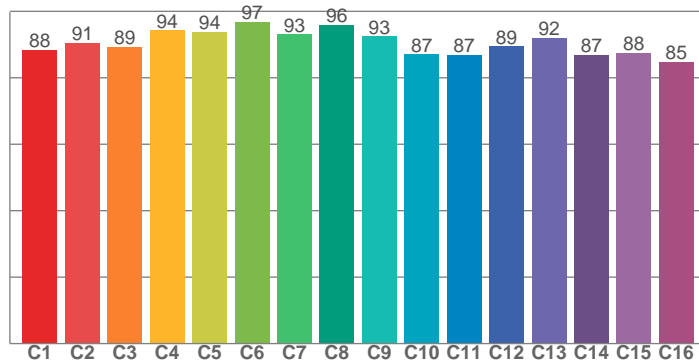


Power

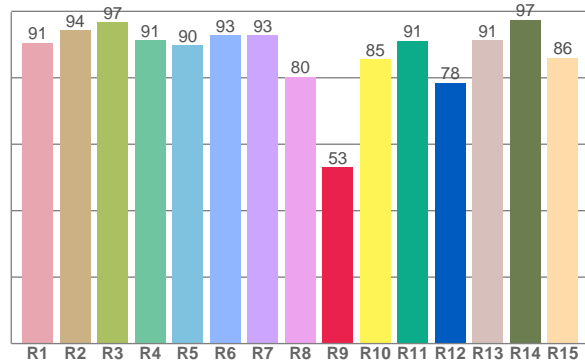




TM30: 90.6



CRI: 91.1 (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
90.6	94.2	96.7	91.4	89.8	92.7	92.8	80.3	53.2	85.5	91.2	78.5	91.3	97.5	86.0

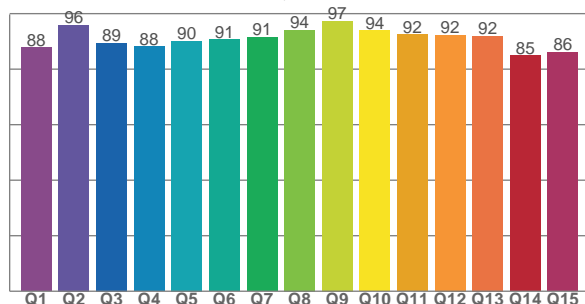
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.4	90.5	89.2	94.2	93.8	96.8	93.1	95.9	92.5	87.0	86.9	89.4	92.0	87.0	87.5	84.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.8	96.0	89.4	88.2	90.1	90.6	91.5	94.1	97.3	93.9	92.5	92.3	91.9	84.8	86.1

CQS: 90.3



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
3018 K	91.1	53.2	90.6	97.7	90.3	0.440	0.412	0.249	0.350	0.0026

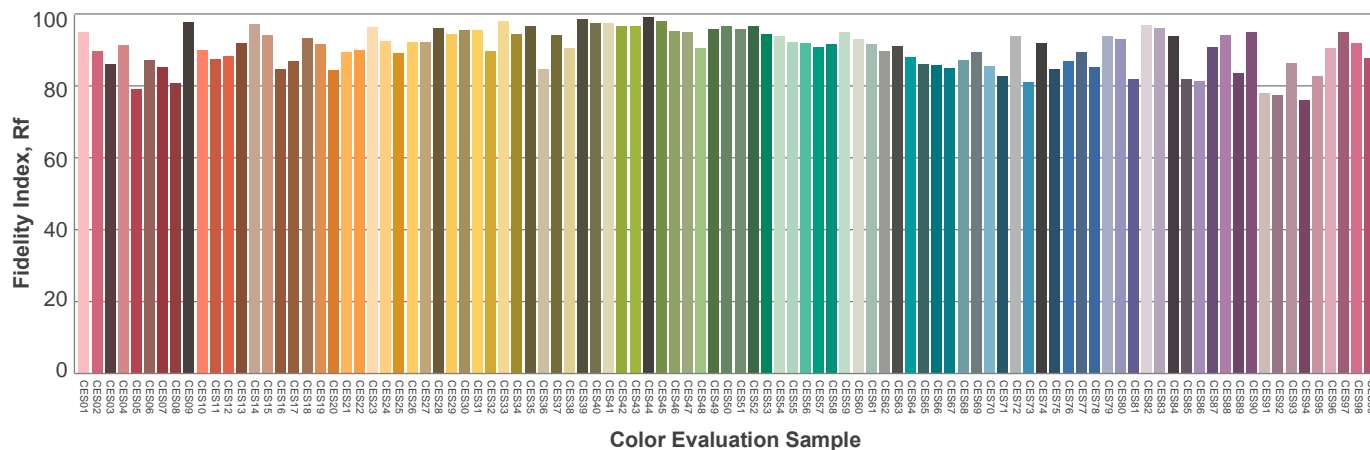
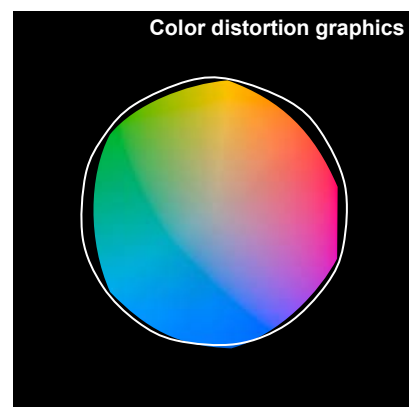
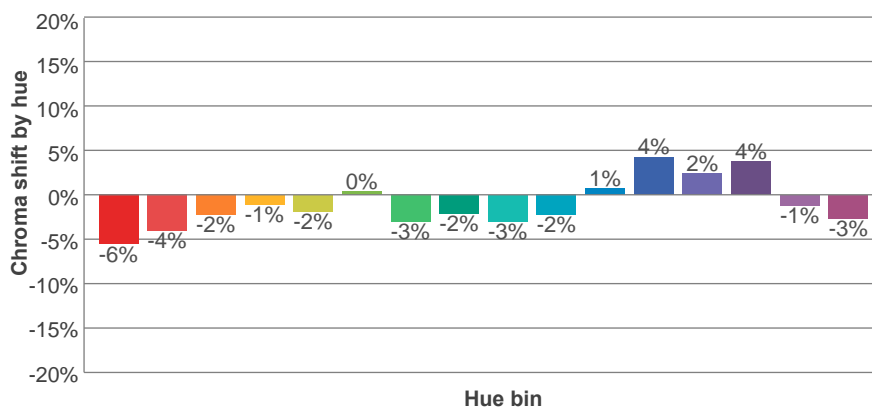
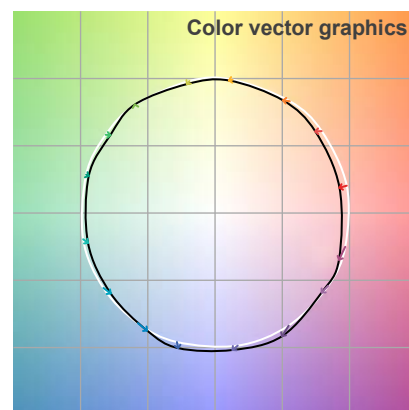
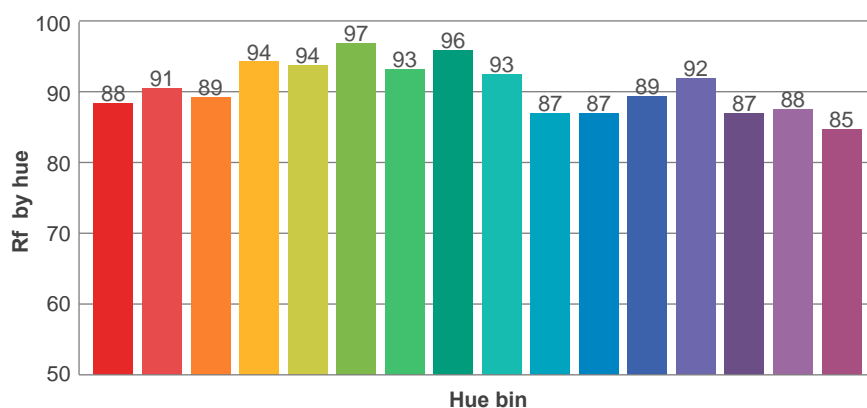
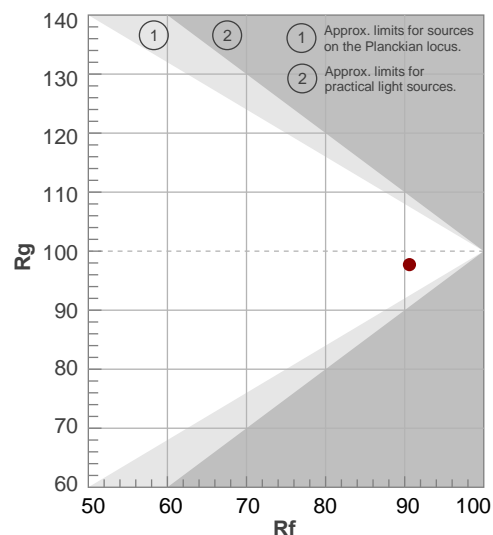
Rf 90.6

Fidelity index Rf

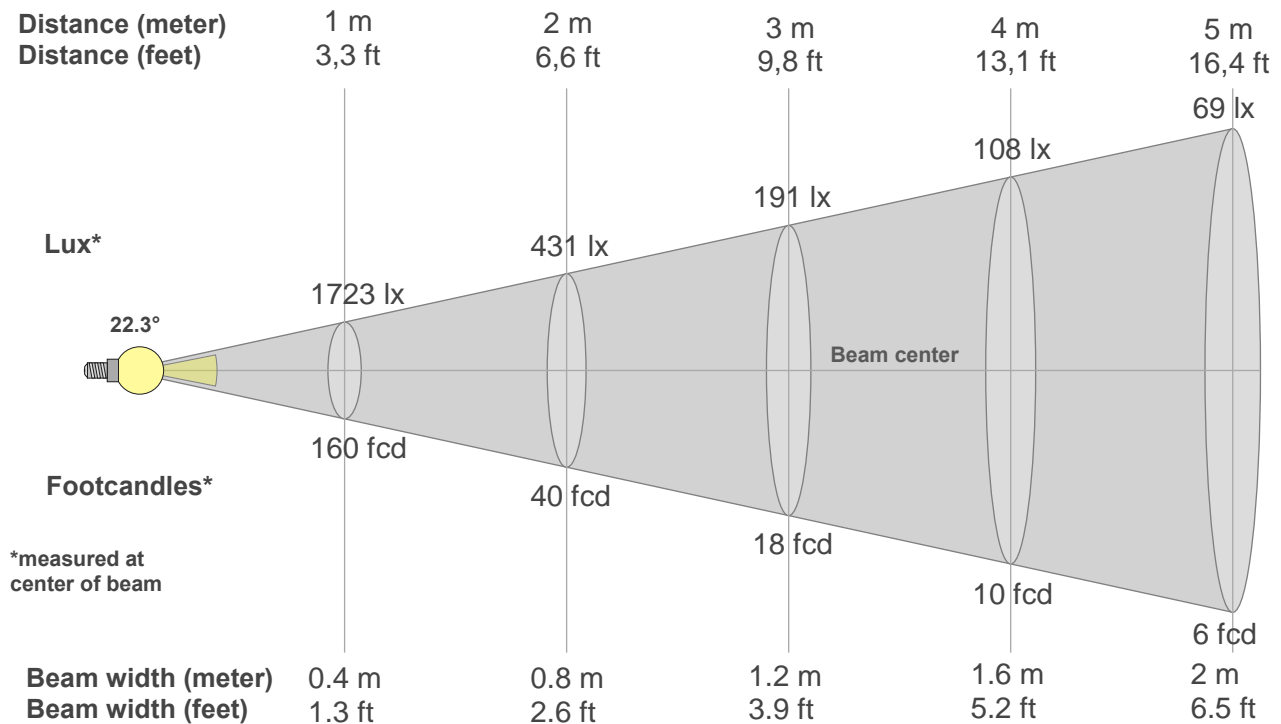
Rg 97.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	-6%	0%
2	91	-4%	2%
3	89	-2%	4%
4	94	-1%	3%
5	94	-2%	2%
6	97	0%	0%
7	93	-3%	-2%
8	96	-2%	1%
9	93	-3%	3%
10	87	-2%	6%
11	87	1%	9%
12	89	4%	2%
13	92	2%	-4%
14	87	4%	-8%
15	88	-1%	-7%
16	85	-3%	-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
1723lx	431lx	191lx	108lx	69lx	48lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
160.1fcd	40fcd	17.8fcd	10fcd	6.4fcd	4.4fcd	3.3fcd	2.5fcd	2fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd

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°
1723	1714	1588	1406	1217	1002	786	620	473	341	255	170	128	98	72	58	44	31	18	8
100%	99%	92%	82%	71%	58%	46%	36%	27%	20%	15%	10%	7%	6%	4%	3%	3%	2%	1%	0%

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°
1723	1647	1571	1383	1167	961	773	585	469	367	280	221	162	121	83	55	41	27	19	11
100%	96%	91%	80%	68%	56%	45%	34%	27%	21%	16%	13%	9%	7%	5%	3%	2%	2%	1%	1%

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°
1723	1732	1586	1411	1220	1003	786	636	494	378	298	218	164	112	75	56	37	27	16	10
100%	101%	92%	82%	71%	58%	46%	37%	29%	22%	17%	13%	10%	7%	4%	3%	2%	2%	1%	1%

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°
1723	1656	1534	1390	1177	964	778	601	444	338	232	173	124	86	71	55	42	30	19	11
100%	96%	89%	81%	68%	56%	45%	35%	26%	20%	13%	10%	7%	5%	4%	3%	2%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.3°	46.4°	64.8°	99.4%	99.1%