

Light efficiency:

85 Lumen/Watt

Light quality:

CRI: 91.5

Color temperature:

3015 K

Output: 2046 lm

Peak: 8613 cd

Power: 24.2 W

PF: 0.97

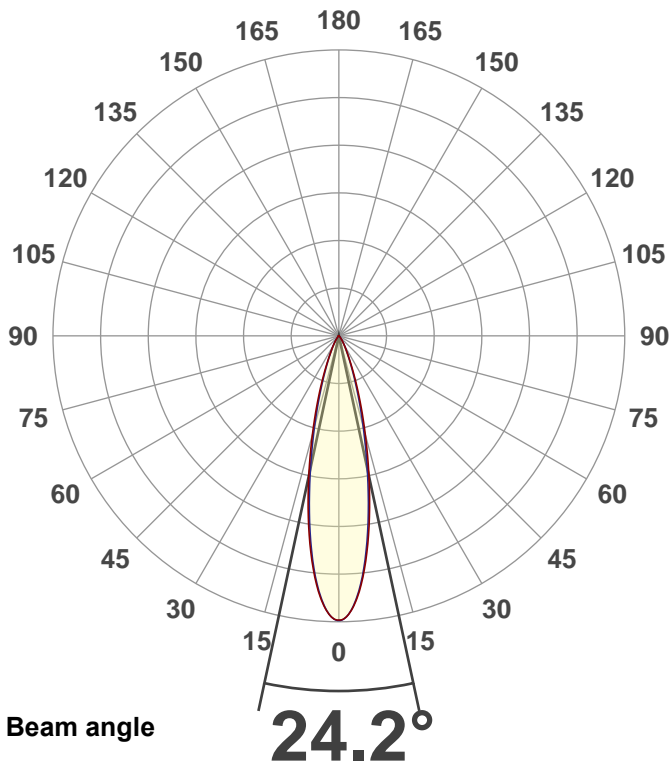


Product name:

DF10-SW-30K-90-24D-UNV-DIM10-NC-WH-WH

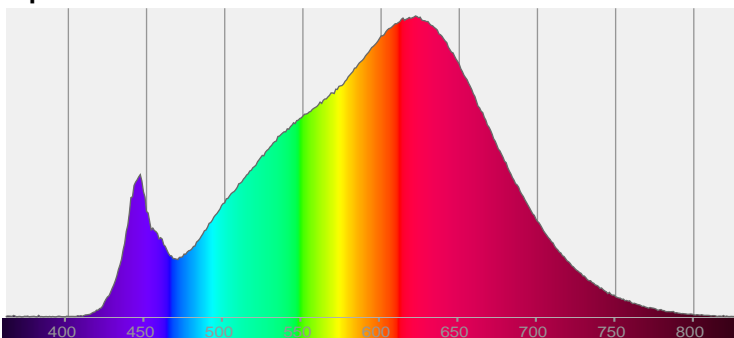
Date and time:

5/9/2019 9:47:57 AM

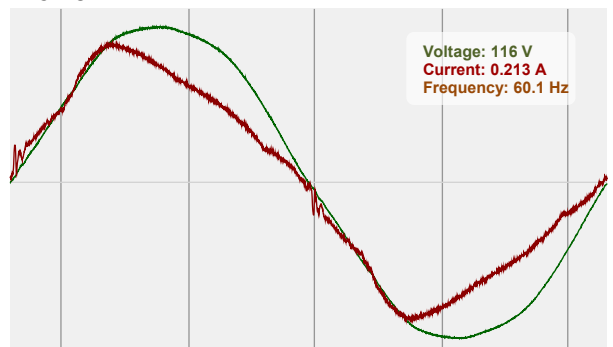


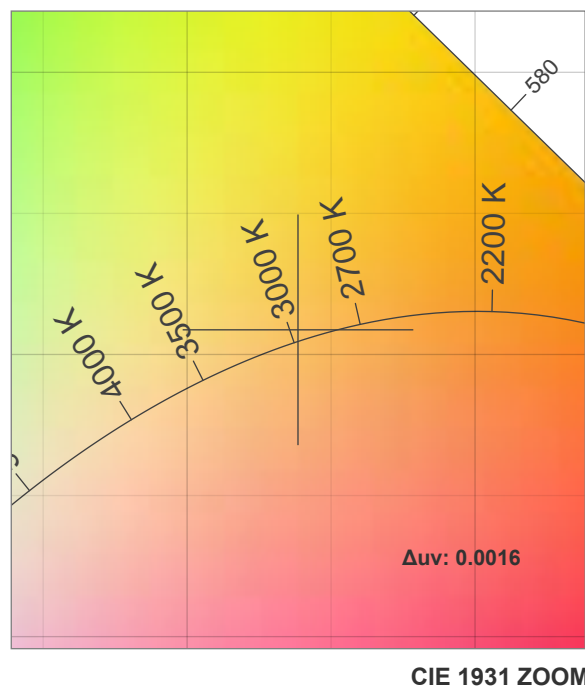
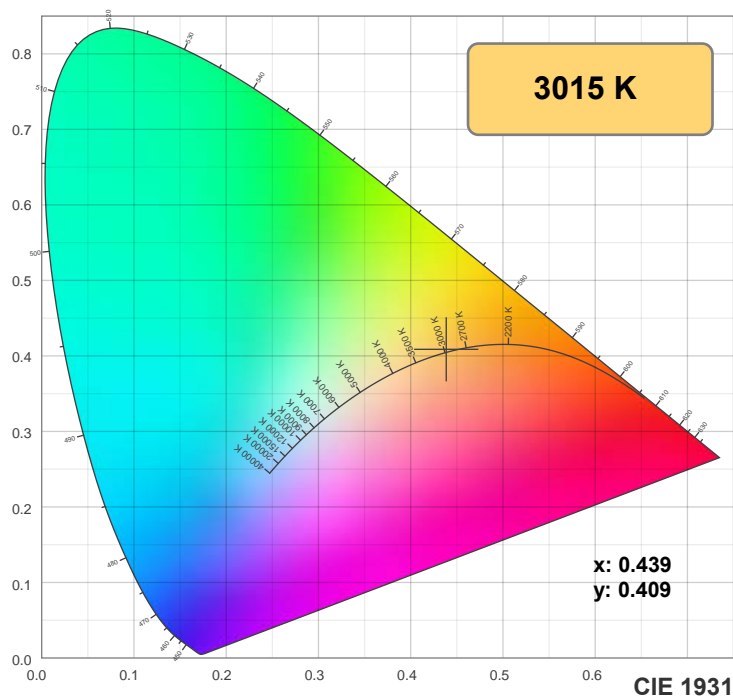
CIE 1931
x: 0.439
y: 0.409

Spectra

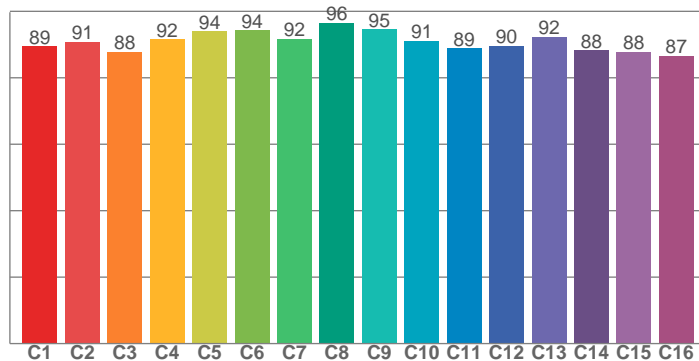


Power

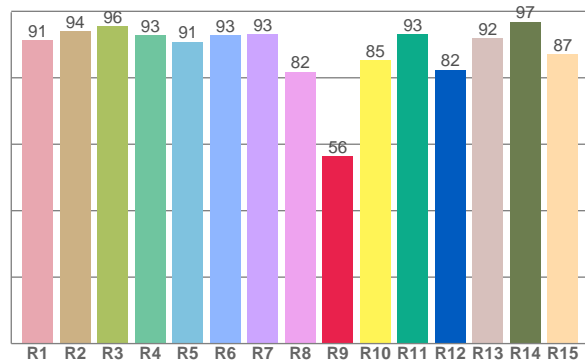




TM30: 91.0



CRI: 91.5 (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
91.4	94.1	95.6	92.8	90.9	92.7	93.0	81.8	56.3	85.3	93.1	82.4	91.9	96.8	87.1

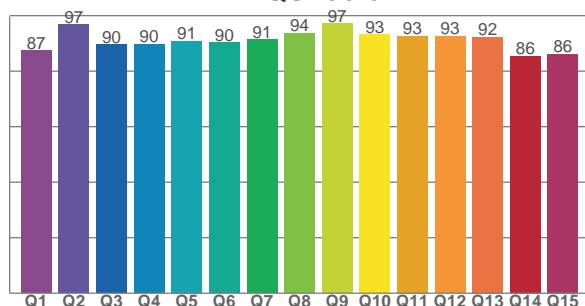
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.4	90.9	87.9	91.5	93.9	94.2	91.7	96.5	94.5	91.2	88.9	89.5	92.2	88.3	87.8	86.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.5	96.8	89.6	89.7	90.8	90.3	91.3	93.6	97.2	93.1	92.7	92.6	92.3	85.5	86.2

CQS: 90.6



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
3015 K	91.5	56.3	91.0	99.7	90.6	0.439	0.409	0.250	0.349	0.0016

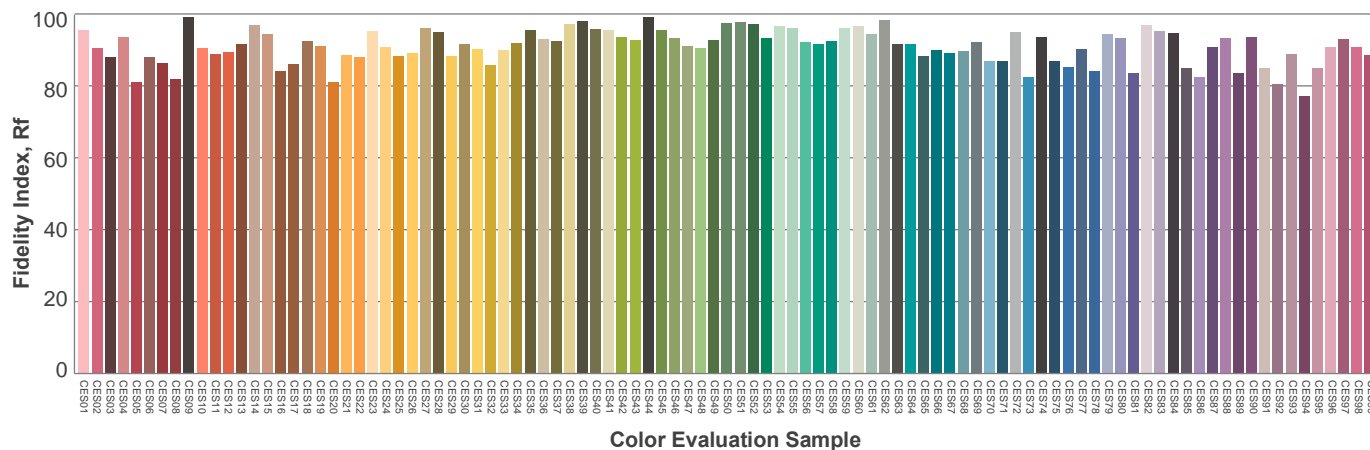
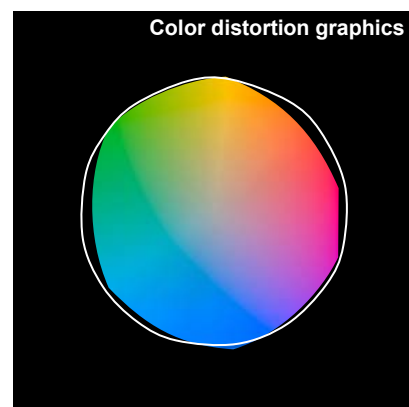
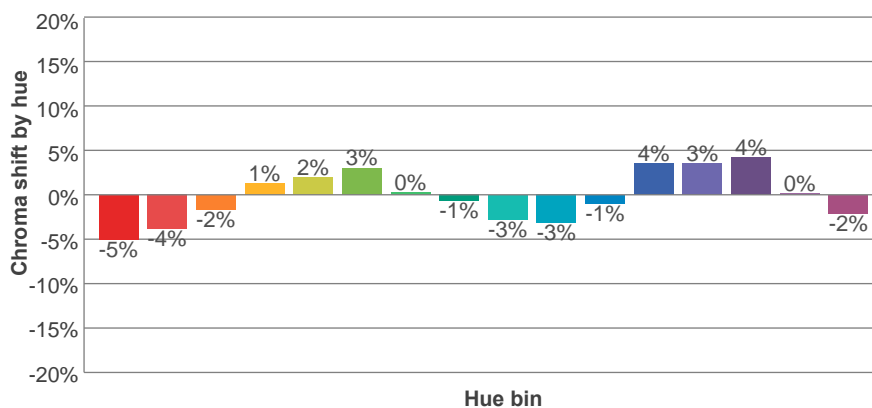
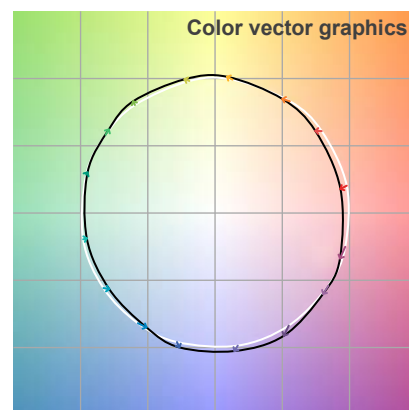
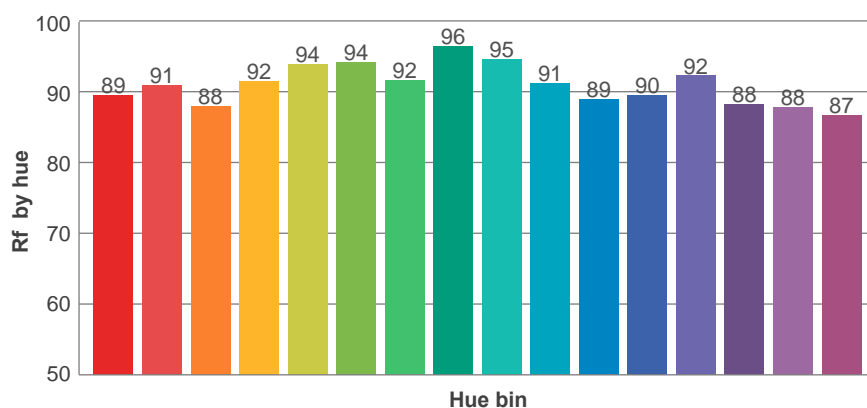
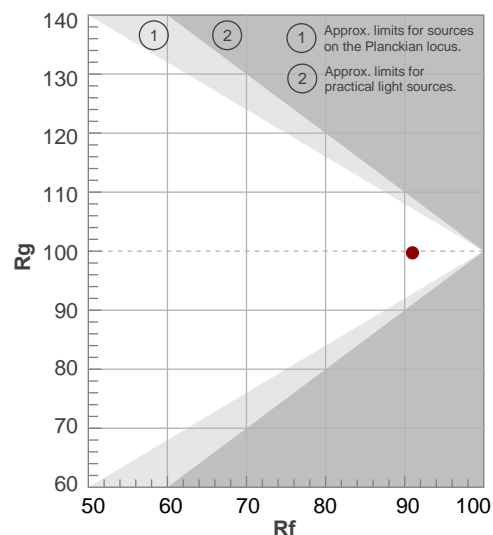
Rf 91.0

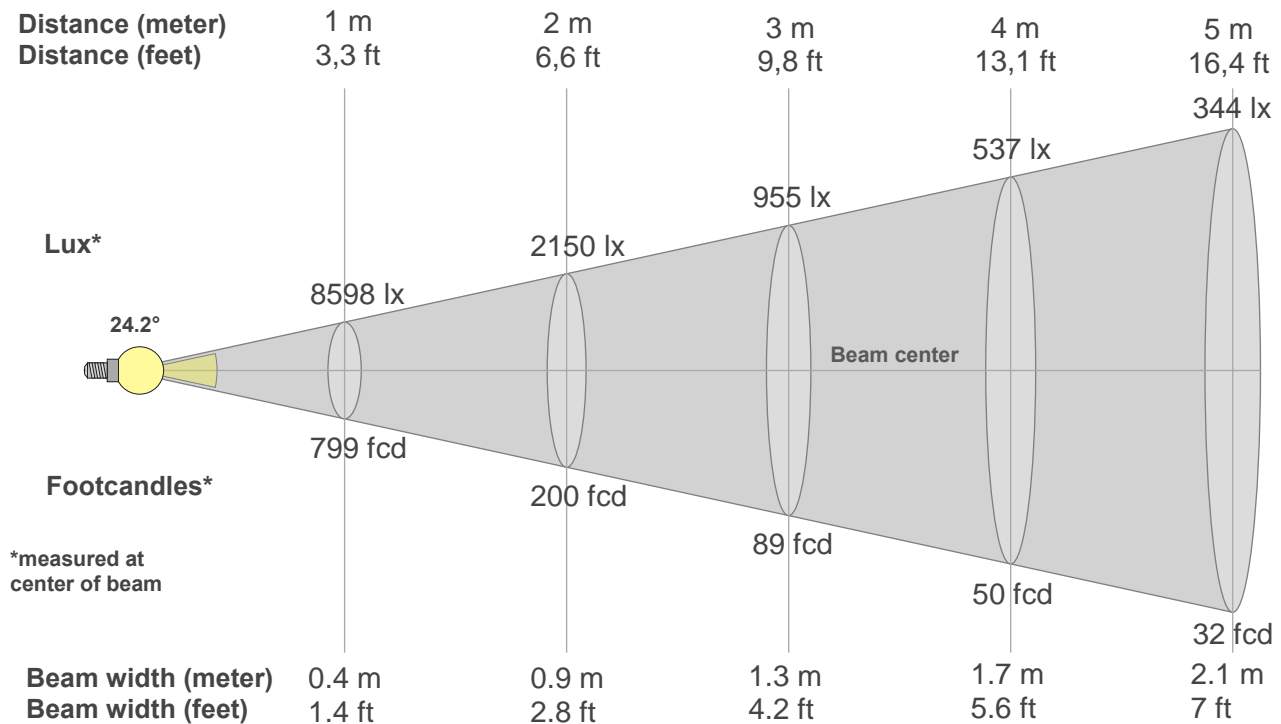
Fidelity index Rf

Rg 99.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	-1%
2	91	-4%	3%
3	88	-2%	5%
4	92	1%	4%
5	94	2%	3%
6	94	3%	0%
7	92	0%	-5%
8	96	-1%	-2%
9	95	-3%	0%
10	91	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	3%	-3%
14	88	4%	-7%
15	88	0%	-7%
16	87	-2%	-9%





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
8598lx	2150lx	955lx	537lx	344lx	239lx	175lx	134lx	106lx	86lx	71lx	60lx	51lx	44lx	38lx	34lx	30lx	27lx	24lx	21lx
798.8fcd	199.7fcd	88.8fcd	49.9fcd	32fcd	22.2fcd	16.3fcd	12.5fcd	9.9fcd	8fcd	6.6fcd	5.5fcd	4.7fcd	4.1fcd	3.6fcd	3.1fcd	2.8fcd	2.5fcd	2.2fcd	2fcd

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°
8598	8442	7958	7217	6323	5358	4396	3506	2727	2073	1543	1126	808	591	445	339	255	189	146	110
100%	98%	93%	84%	74%	62%	51%	41%	32%	24%	18%	13%	9%	7%	5%	4%	3%	2%	2%	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°
8598	8431	7913	7137	6180	5153	4148	3247	2488	1865	1382	1018	757	561	426	325	249	179	135	105
100%	98%	92%	83%	72%	60%	48%	38%	29%	22%	16%	12%	9%	7%	5%	4%	3%	2%	2%	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°
8598	8442	7958	7217	6323	5358	4396	3506	2727	2073	1543	1126	808	591	445	339	255	189	146	110
100%	98%	93%	84%	74%	62%	51%	41%	32%	24%	18%	13%	9%	7%	5%	4%	3%	2%	2%	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°
8598	8431	7913	7137	6180	5153	4148	3247	2488	1865	1382	1018	757	561	426	325	249	179	135	105
100%	98%	92%	83%	72%	60%	48%	38%	29%	22%	16%	12%	9%	7%	5%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.2°	48°	68.3°	99.3%	97.9%