

Light efficiency:

**74 Lumen/Watt**

Light quality:

**CRI: 91.3**

Color temperature:

**3048 K**

**Output: 960 lm**

**Peak: 4499 cd**

**Power: 12.9 W**

**PF: 0.95**

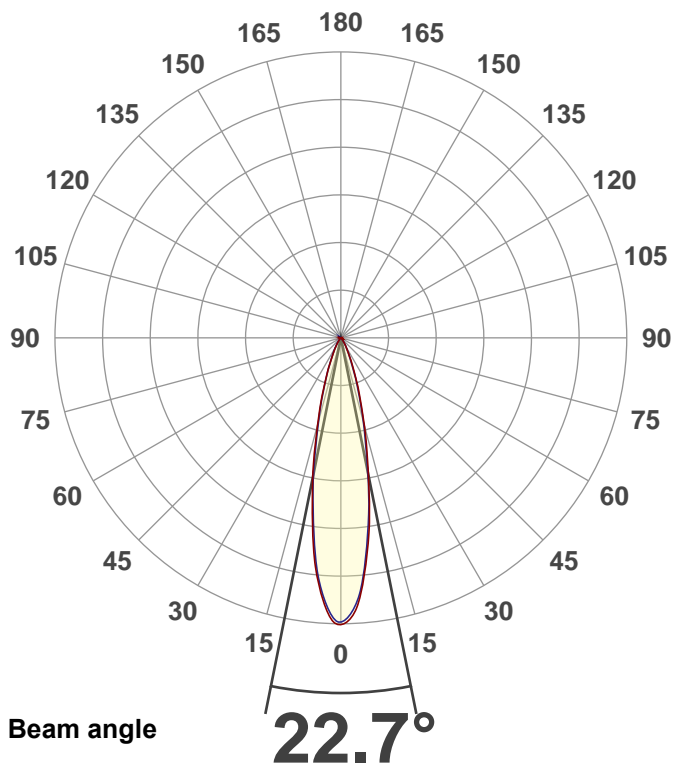


Product name:

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

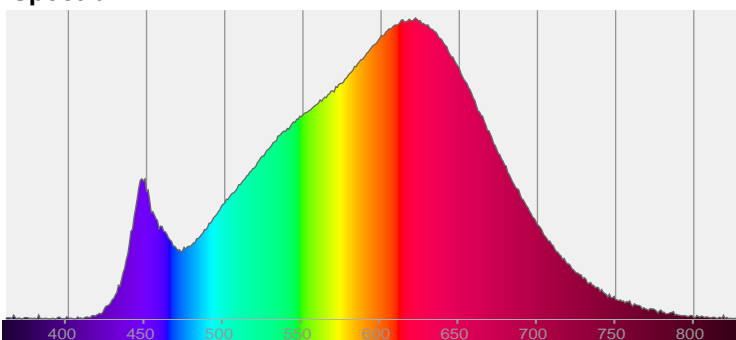
Date and time:

**5/8/2019 11:11:49 AM**

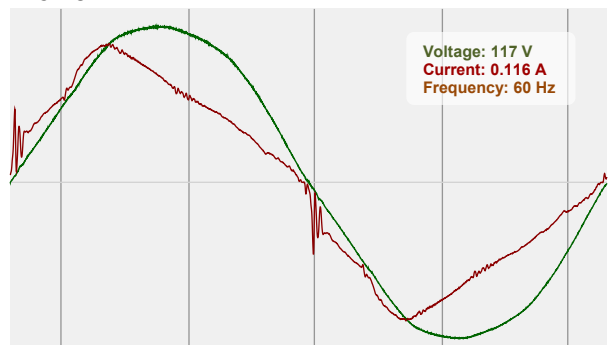


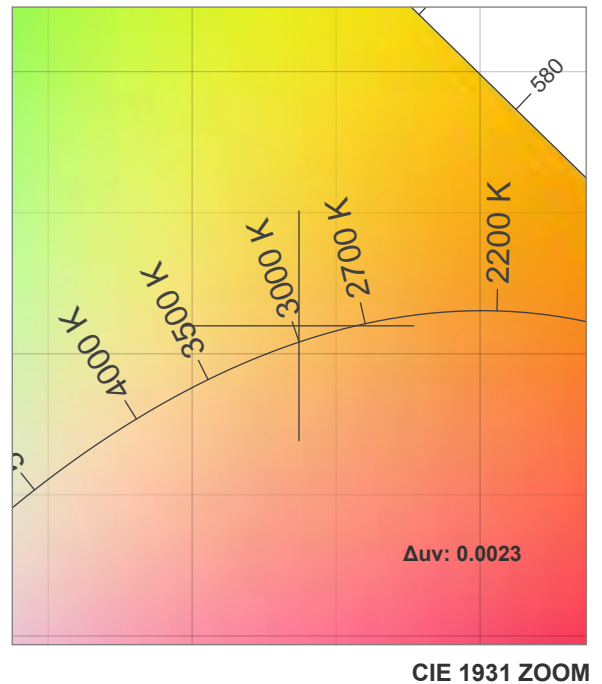
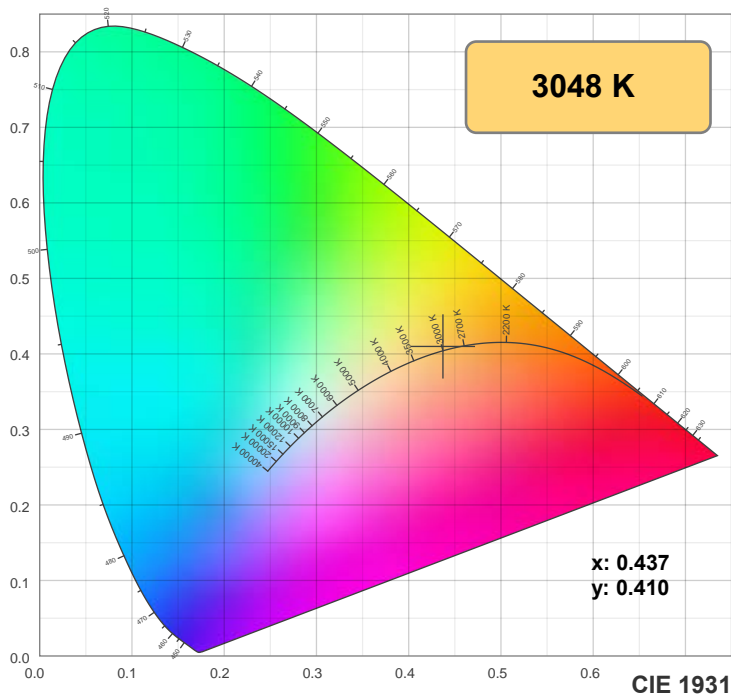
CIE 1931  
x: 0.437  
y: 0.410

Spectra

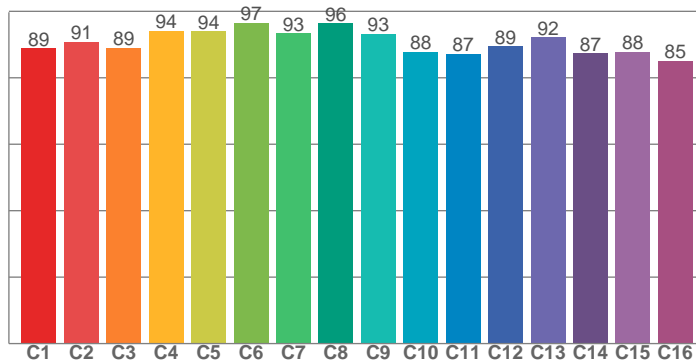


Power

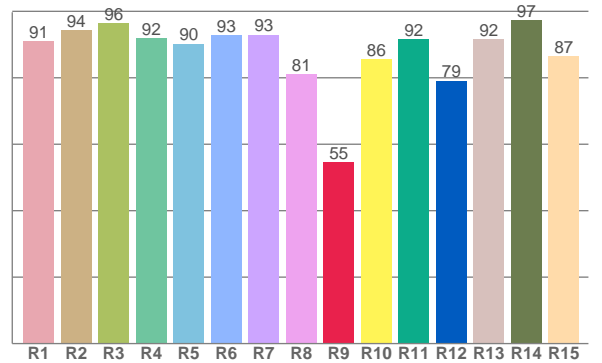




**TM30: 90.8**



**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	90.2	92.7	93.0	81.0	54.6	85.6	91.7	79.1	91.6	97.3	86.5

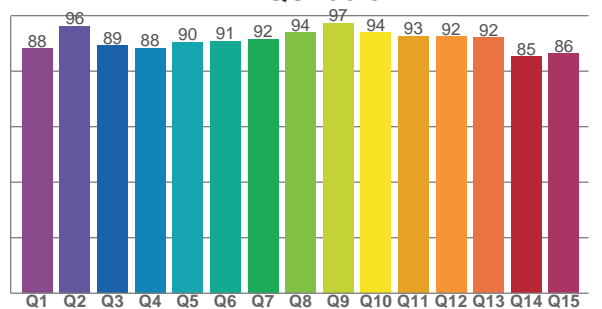
TM30 C values, 16 binned values out of total of 99 C values

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	96.6	93.4	96.4	93.1	87.8	87.1	89.4	92.2	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	$\Delta uv$
3048 K	91.3	54.6	90.8	98.2	90.5	0.437	0.410	0.248	0.349	0.0023

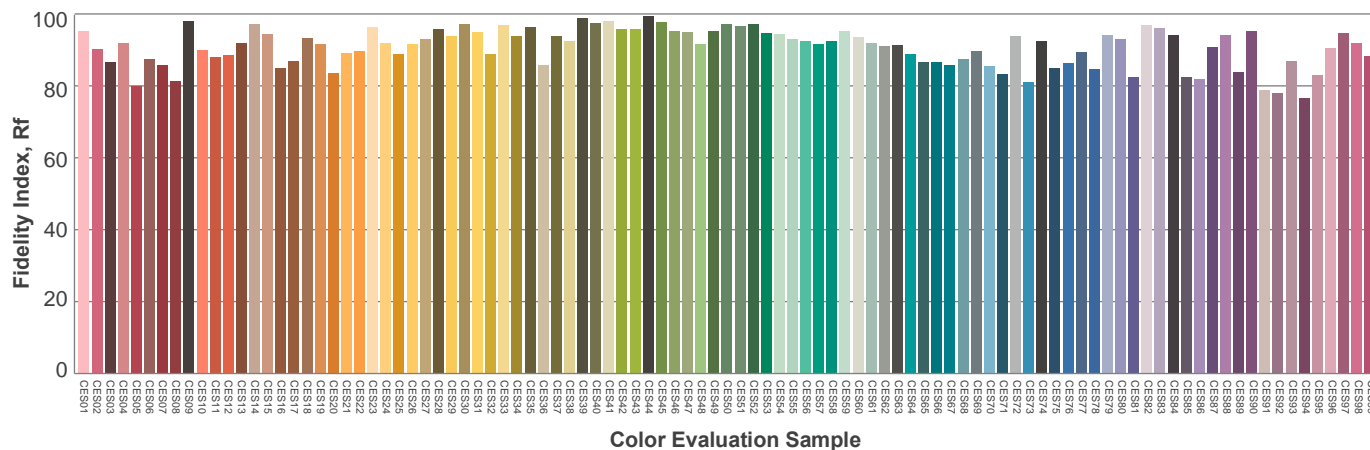
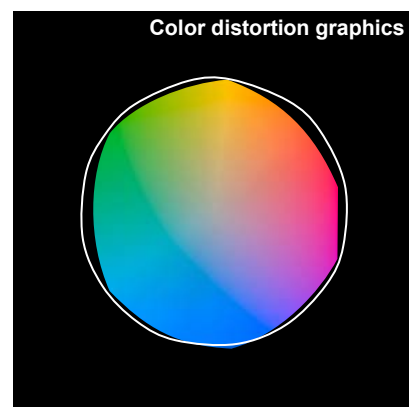
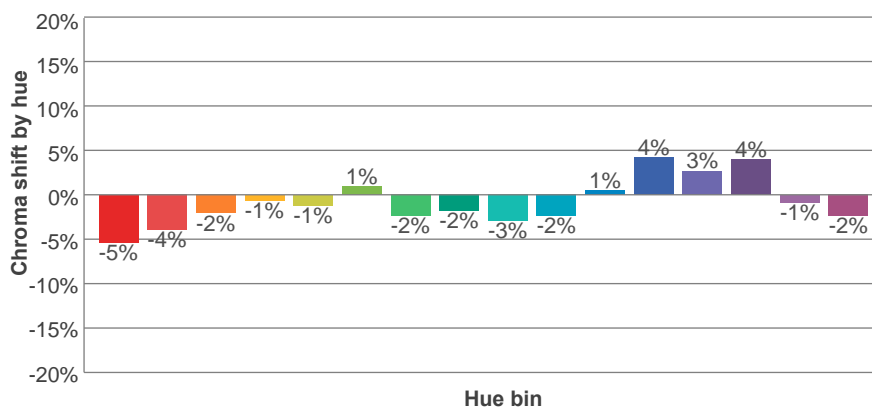
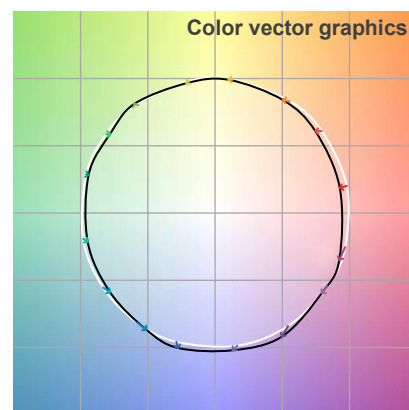
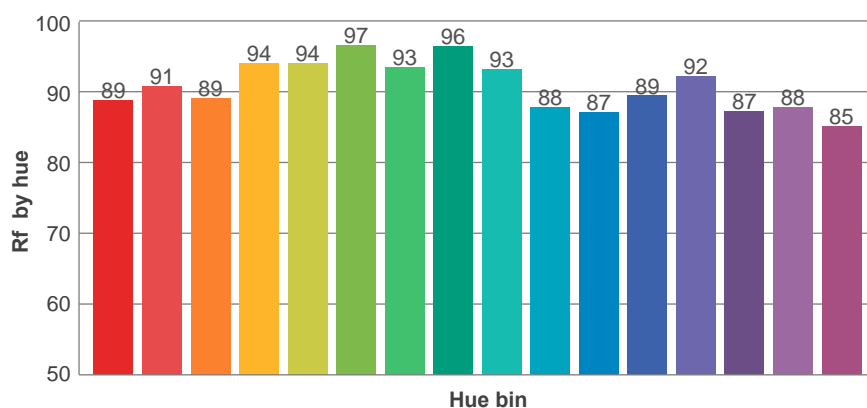
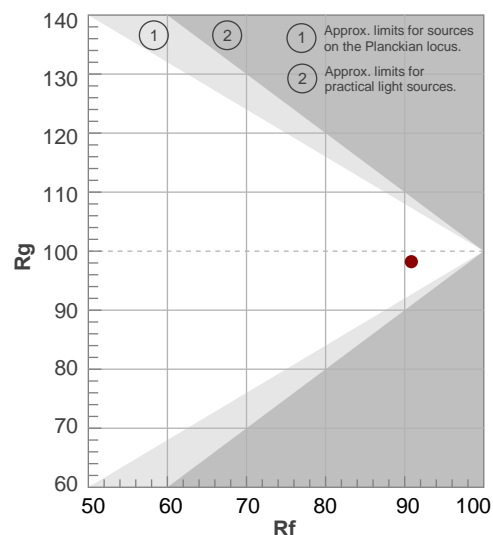
**Rf 90.8**

Fidelity index Rf

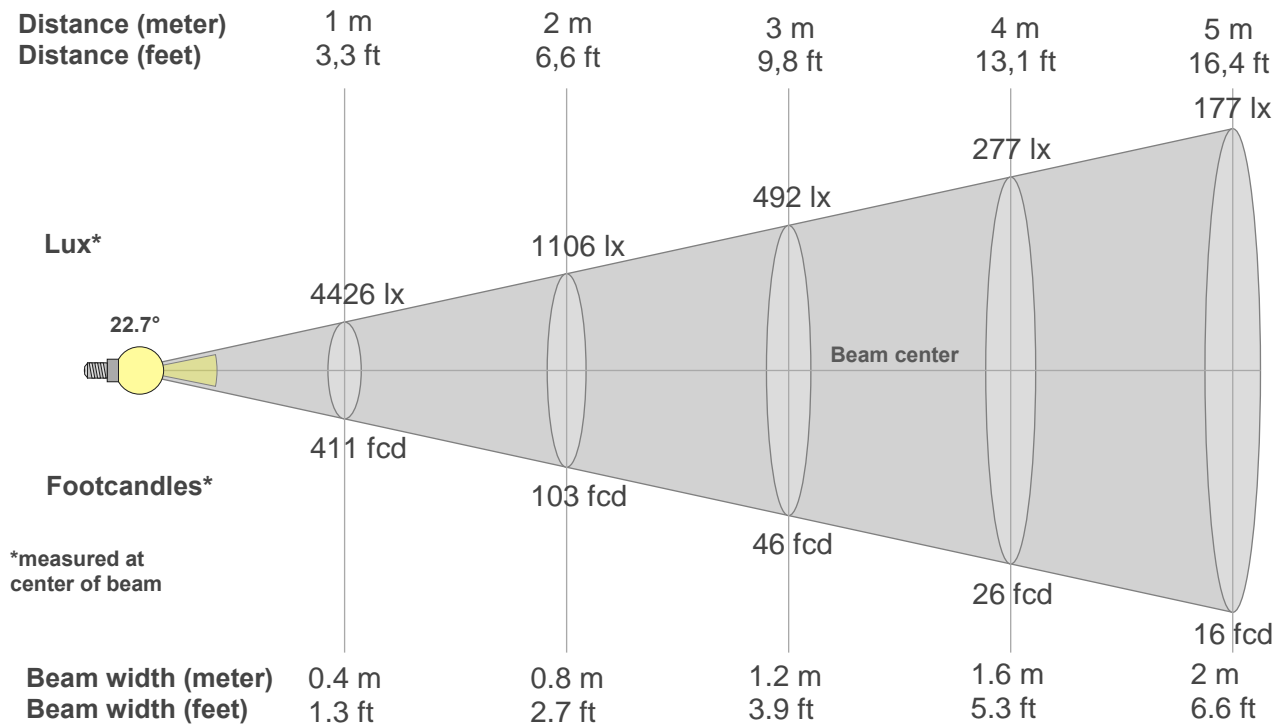
**Rg 98.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	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
4426lx	1106lx	492lx	277lx	177lx	123lx	90lx	69lx	55lx	44lx	37lx	31lx	26lx	23lx	20lx	17lx	15lx	14lx	12lx	11lx
411.2fcd	102.8fcd	45.7fcd	25.7fcd	16.4fcd	11.4fcd	8.4fcd	6.4fcd	5.1fcd	4.1fcd	3.4fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	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°
4426	4337	4120	3641	3161	2632	2097	1654	1302	962	756	550	409	302	210	167	124	89	56	32
100%	98%	93%	82%	71%	59%	47%	37%	29%	22%	17%	12%	9%	7%	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°
4426	4253	4080	3586	3072	2559	2049	1559	1241	922	697	515	360	280	199	156	118	84	53	23
100%	96%	92%	81%	69%	58%	46%	35%	28%	21%	16%	12%	8%	6%	5%	4%	3%	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°
4426	4404	4053	3702	3182	2629	2124	1684	1246	988	730	543	404	279	218	158	118	85	57	38
100%	100%	92%	84%	72%	59%	48%	38%	28%	22%	16%	12%	9%	6%	5%	4%	3%	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°
4426	4293	3994	3637	3091	2546	2067	1603	1218	951	685	538	395	295	228	165	132	98	70	43
100%	97%	90%	82%	70%	58%	47%	36%	28%	21%	15%	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
22.7°	47.1°	66.6°	99.7%	99.5%