

Light efficiency:

86 Lumen/Watt

Light quality:

CRI: 81.9

Color temperature:

3049 K

Output: 2250 lm

Peak: 3884 cd

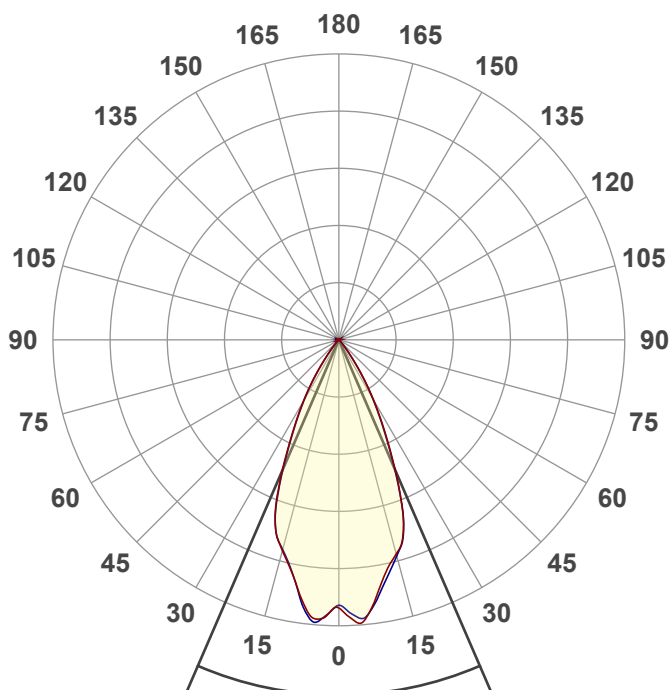
Power: 26.2 W

PF: 0.98



NU3-RDDR-SW-30LM-30K-80-50D-HET-SA

Date and time:
4/4/2022 10:18:36 AM



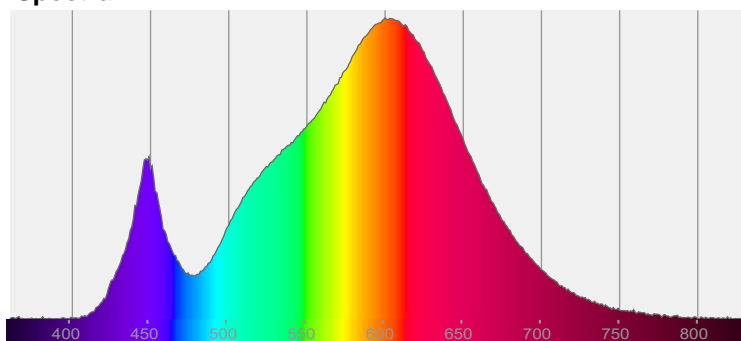
Beam angle

46.8°



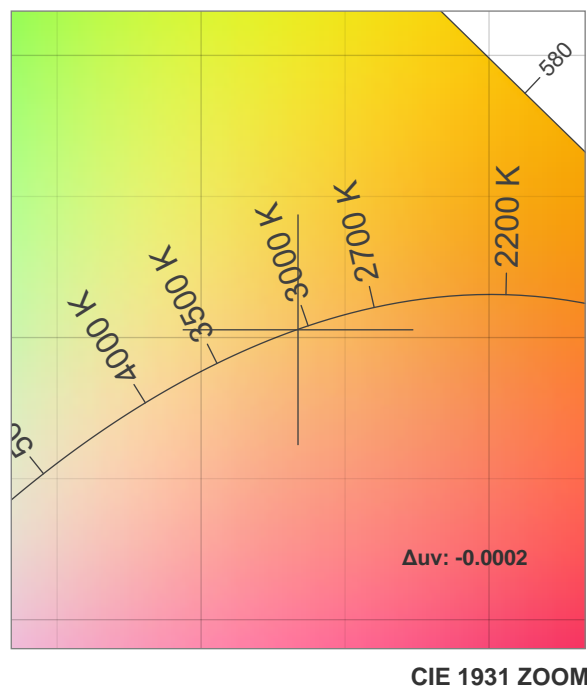
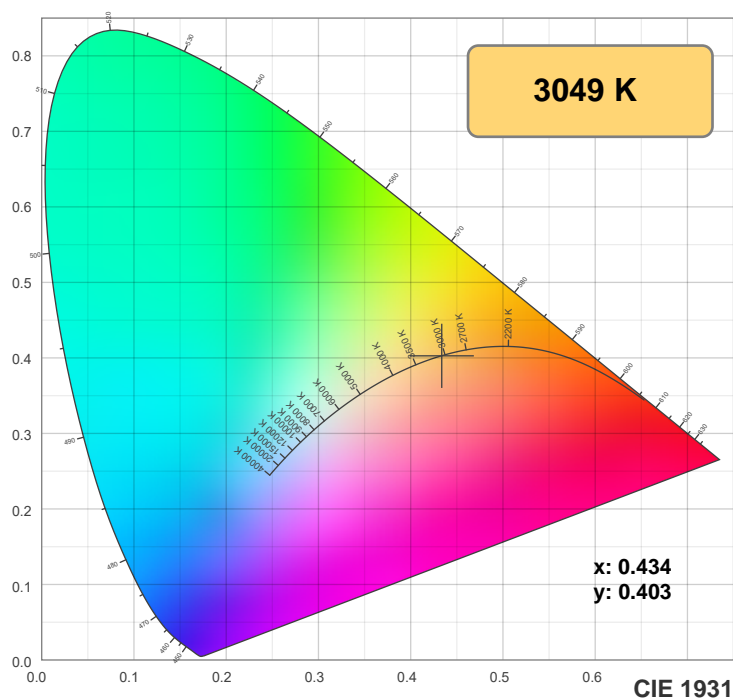
CIE 1931
x: 0.434
y: 0.403

Spectra

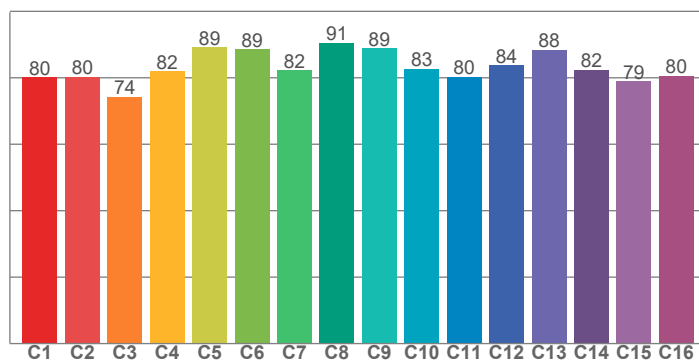


Power

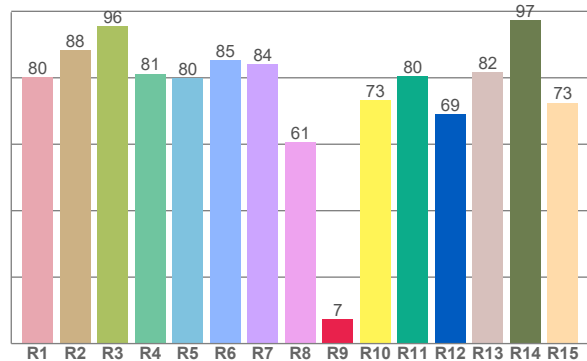
Voltage: 122 V
Current: 0.214 A
Frequency: 0 Hz



TM30: 83.2



CRI: 81.9 (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
80.1	88.4	95.6	81.3	79.8	85.3	84.0	60.5	7.4	73.3	80.4	69.0	81.8	97.4	72.5

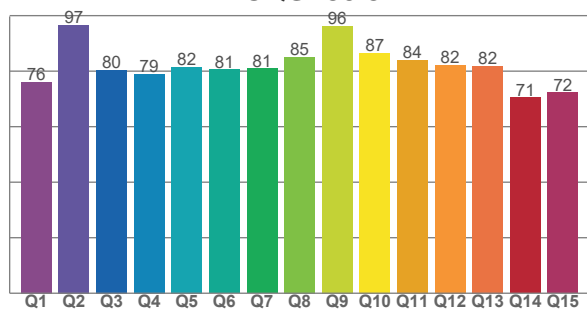
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.2	80.2	74.2	81.9	89.2	88.6	82.3	90.6	88.8	82.8	80.2	83.7	88.4	82.5	78.9	80.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.1	96.6	80.4	78.9	81.5	80.6	81.0	85.1	96.2	86.6	84.0	82.2	81.8	70.5	72.3

CQS: 80.8



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
3049 K	81.9	7.4	83.2	98.1	80.8	0.434	0.403	0.249	0.347	-0.0002

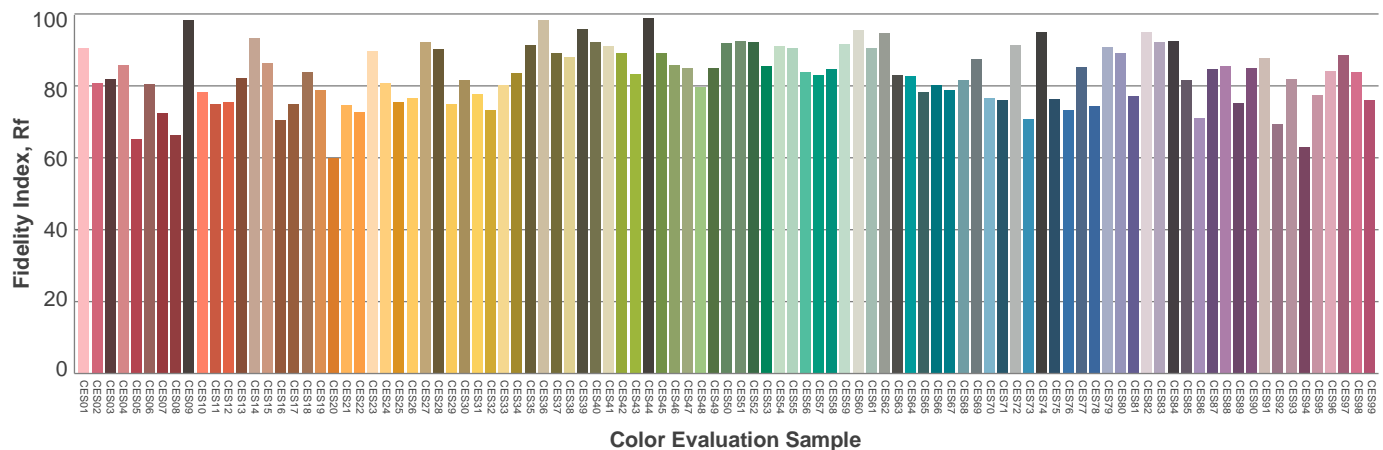
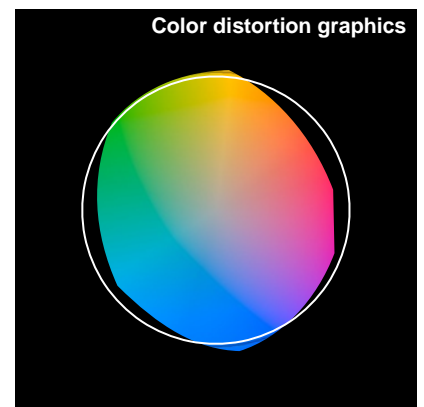
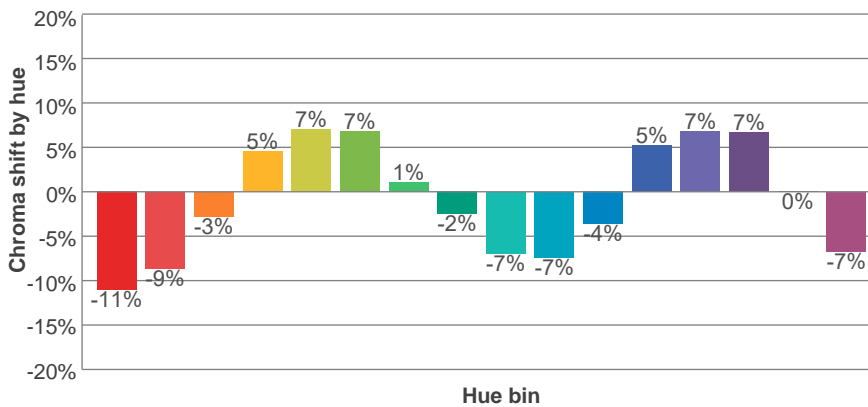
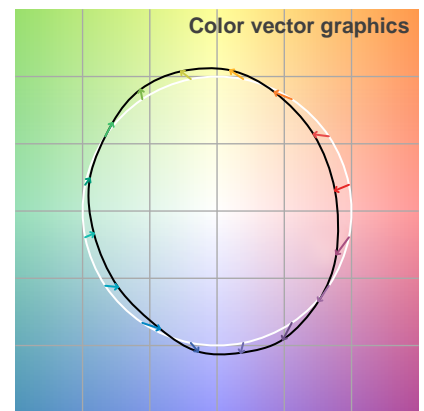
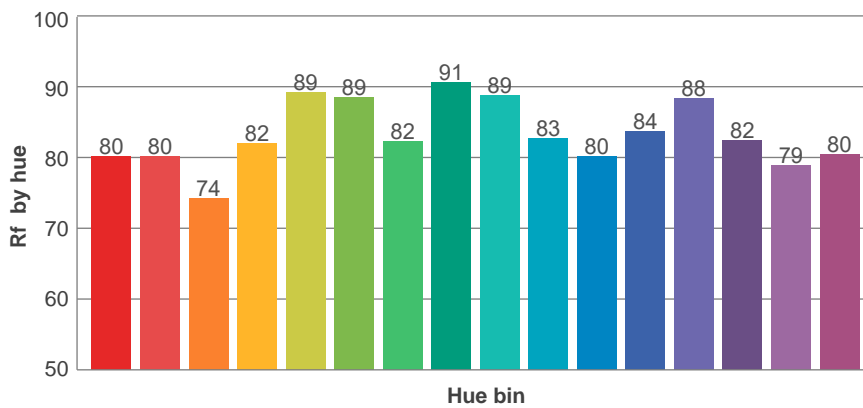
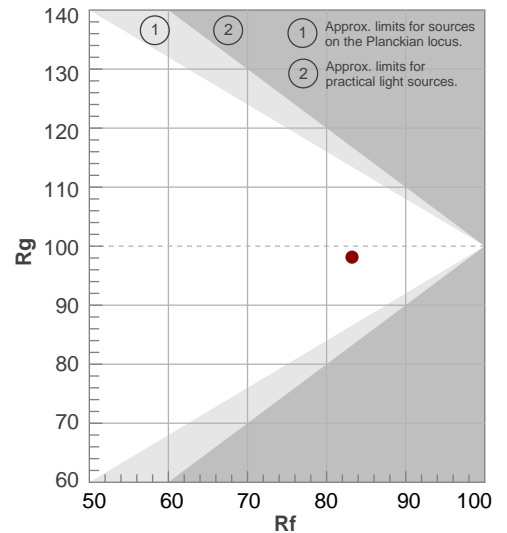
Rf 83.2

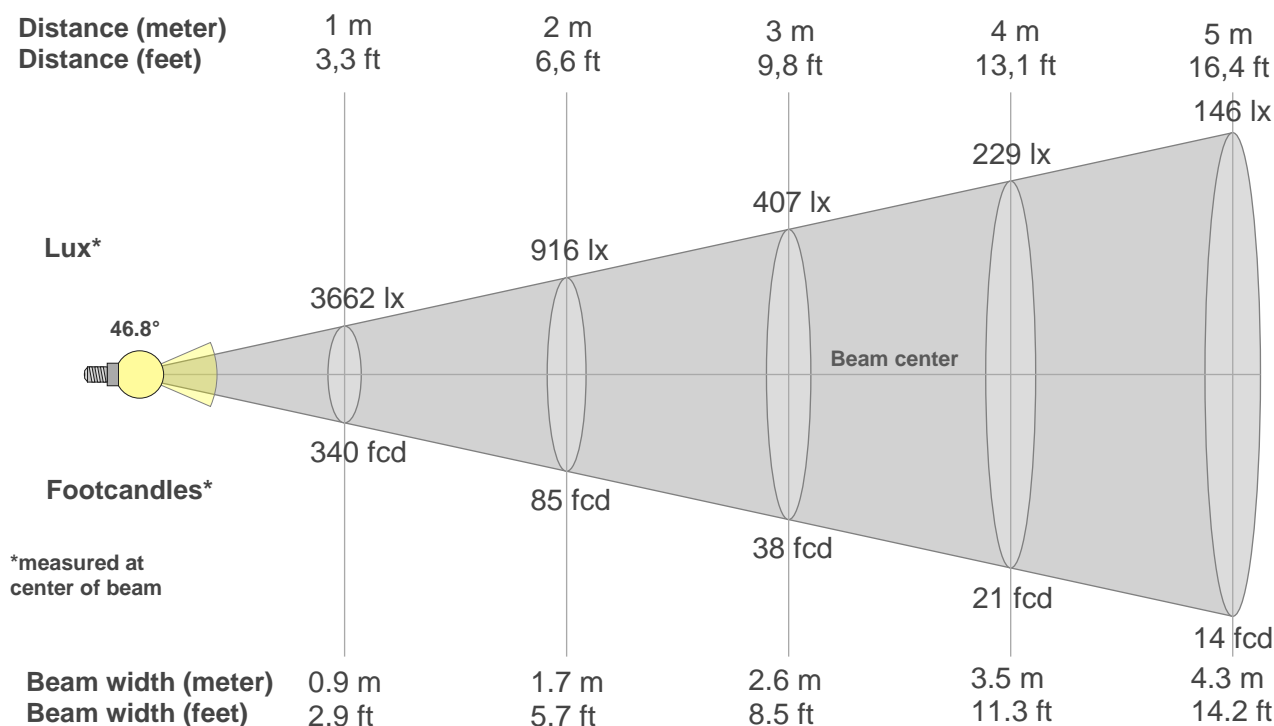
Fidelity index Rf

Rg 98.1

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	82	5%	11%
5	89	7%	6%
6	89	7%	-3%
7	82	1%	-11%
8	91	-2%	-5%
9	89	-7%	-1%
10	83	-7%	6%
11	80	-4%	13%
12	84	5%	7%
13	88	7%	-3%
14	82	7%	-12%
15	79	0%	-14%
16	80	-7%	-14%





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
3662lx	916lx	407lx	229lx	146lx	102lx	75lx	57lx	45lx	37lx	30lx	25lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
340.2fcd	85.1fcd	37.8fcd	21.3fcd	13.6fcd	9.5fcd	6.9fcd	5.3fcd	4.2fcd	3.4fcd	2.8fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	0.9fcd	0.9fcd

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°
3662	3773	3854	3758	3572	3365	3191	3076	2966	2807	2559	2203	1833	1499	1206	945	713	502	327	195
100%	103%	105%	103%	98%	92%	87%	84%	81%	77%	70%	60%	50%	41%	33%	26%	19%	14%	9%	5%

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°
3662	3710	3779	3752	3609	3427	3268	3122	2982	2828	2562	2187	1806	1460	1170	922	692	481	301	174
100%	101%	103%	102%	99%	94%	89%	85%	81%	77%	70%	60%	49%	40%	32%	25%	19%	13%	8%	5%

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°
3662	3731	3797	3766	3588	3376	3195	3044	2909	2760	2522	2203	1840	1494	1217	971	741	526	335	208
100%	102%	104%	103%	98%	92%	87%	83%	79%	75%	69%	60%	50%	41%	33%	27%	20%	14%	9%	6%

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°
3662	3726	3819	3795	3627	3377	3182	3029	2899	2761	2524	2174	1808	1470	1189	946	718	506	321	187
100%	102%	104%	104%	99%	92%	87%	83%	79%	75%	69%	59%	49%	40%	32%	26%	20%	14%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46.8°	70.4°	81°	99.8%	99.3%