

Light efficiency:

87 Lumen/Watt

Light quality:

CRI: 81.6

Color temperature:

3057 K

Output: 2267 lm

Peak: 4451 cd

Power: 26.1 W

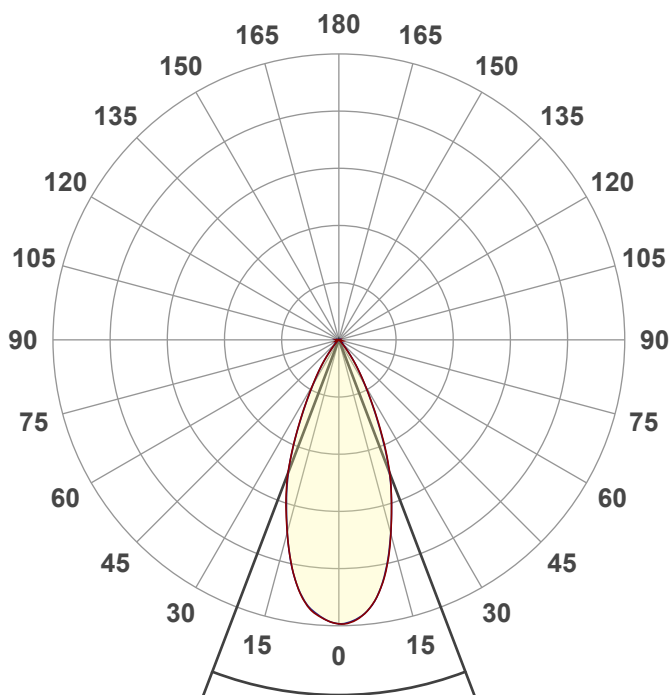
PF: 0.98



NU3-RDDR-SW-30LM-30K-80-30D-DL-SA

Date and time:

4/4/2022 9:57:49 AM



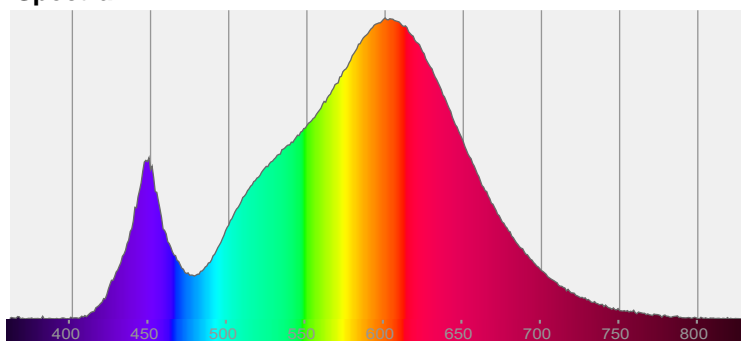
Beam angle

41.7°



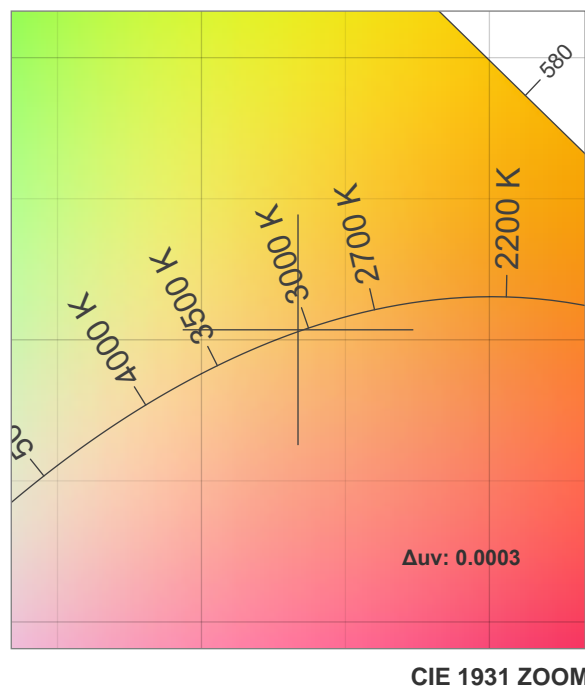
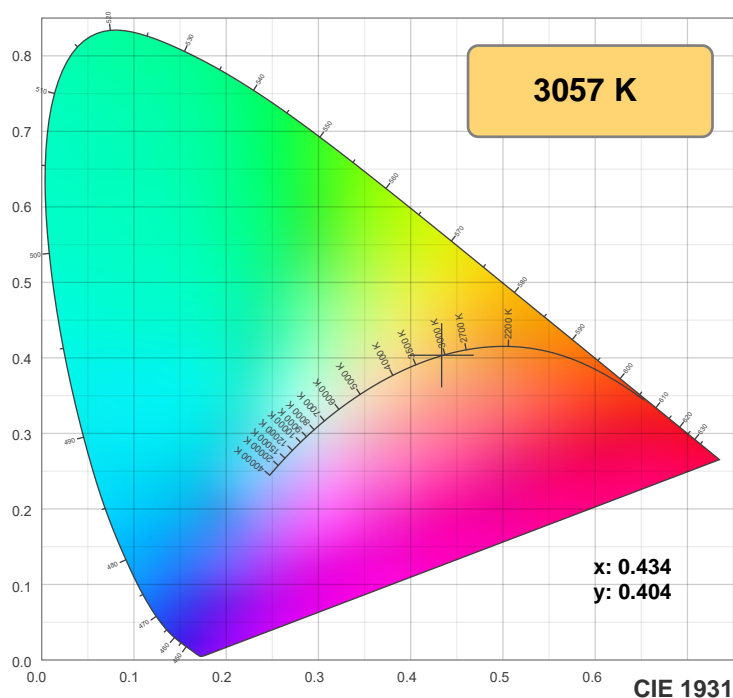
CIE 1931
x: 0.434
y: 0.404

Spectra

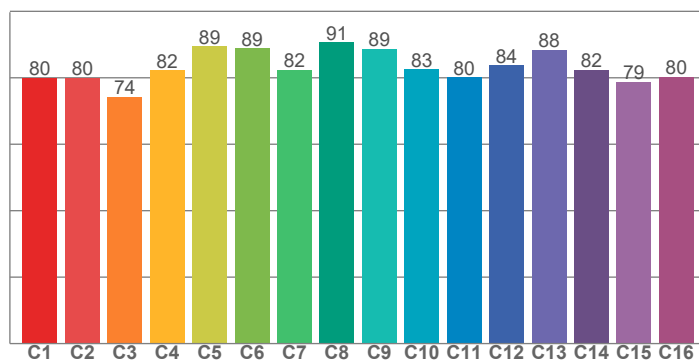


Power

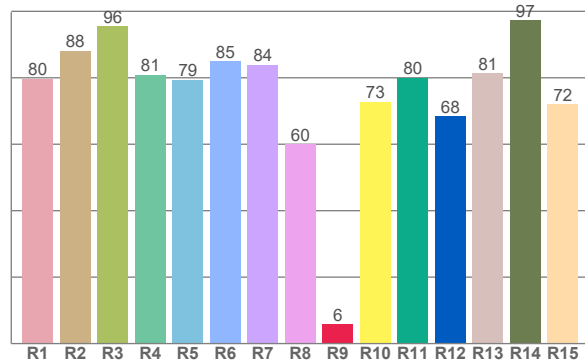
Voltage: 122 V
Current: 0.213 A
Frequency: 0 Hz



TM30: 83.2



CRI: 81.6 (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
79.7	88.2	95.6	80.9	79.4	85.0	83.9	60.0	5.9	72.8	80.0	68.4	81.4	97.4	72.0

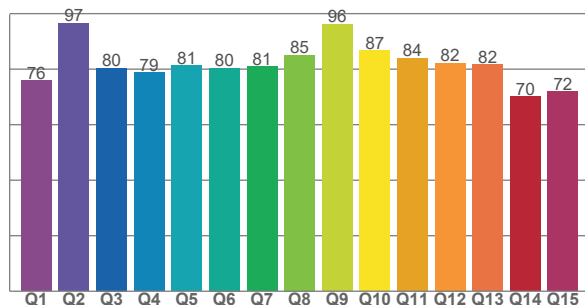
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.9	80.0	74.2	82.2	89.4	88.8	82.4	90.7	88.8	82.6	80.1	83.8	88.4	82.3	78.7	80.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.9	96.5	80.4	78.8	81.3	80.5	81.0	85.2	96.2	86.7	84.1	82.2	81.7	70.1	72.0

CQS: 80.7



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
3057 K	81.6	5.9	83.2	97.9	80.7	0.434	0.404	0.249	0.347	0.0003

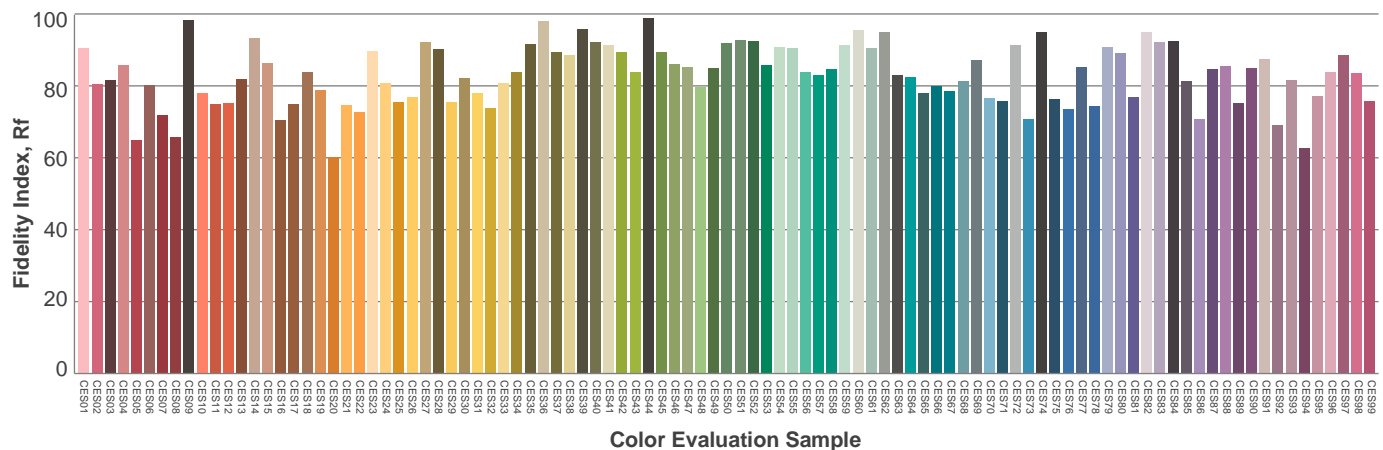
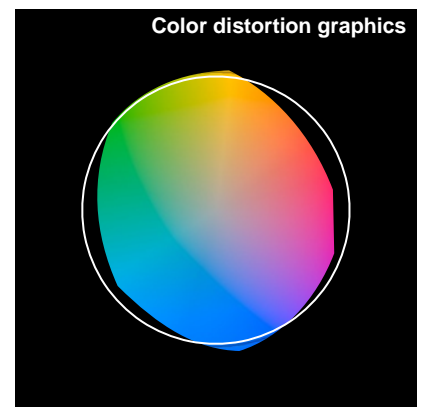
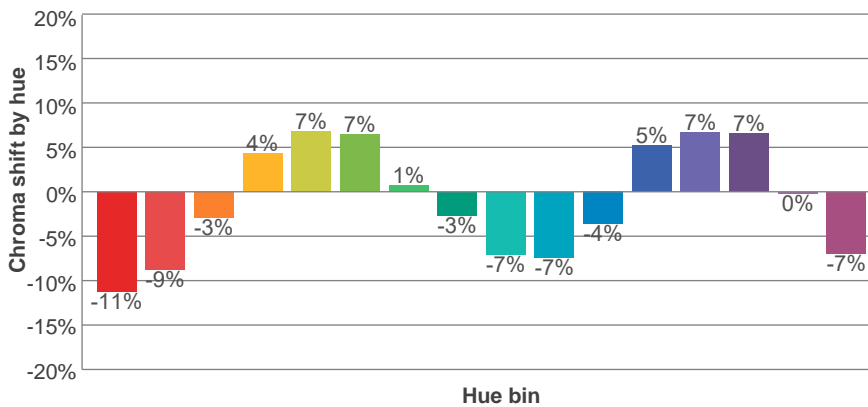
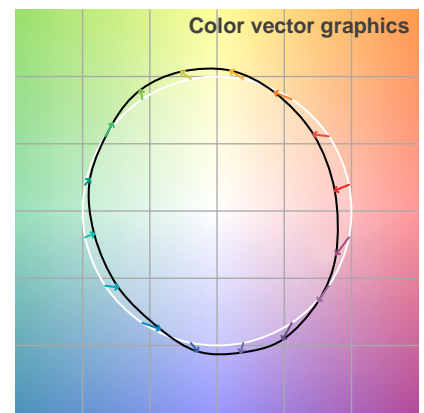
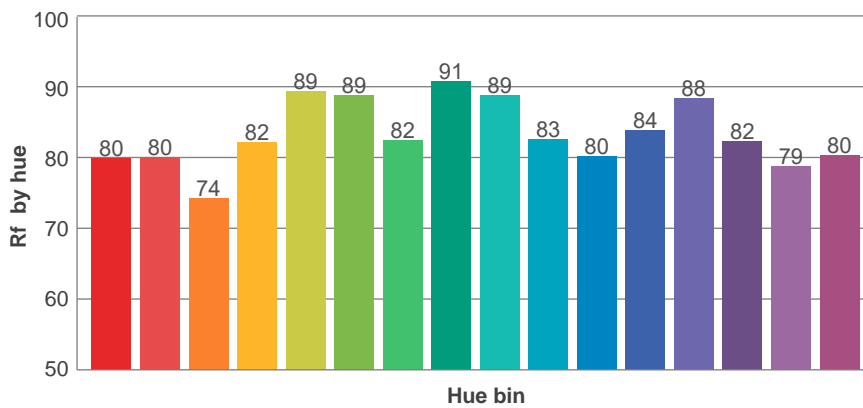
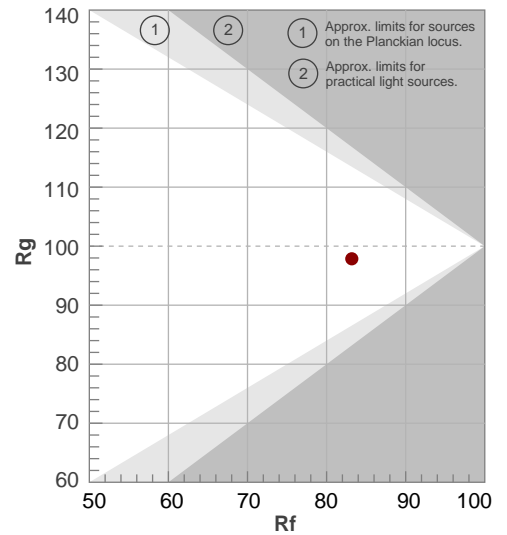
Rf 83.2

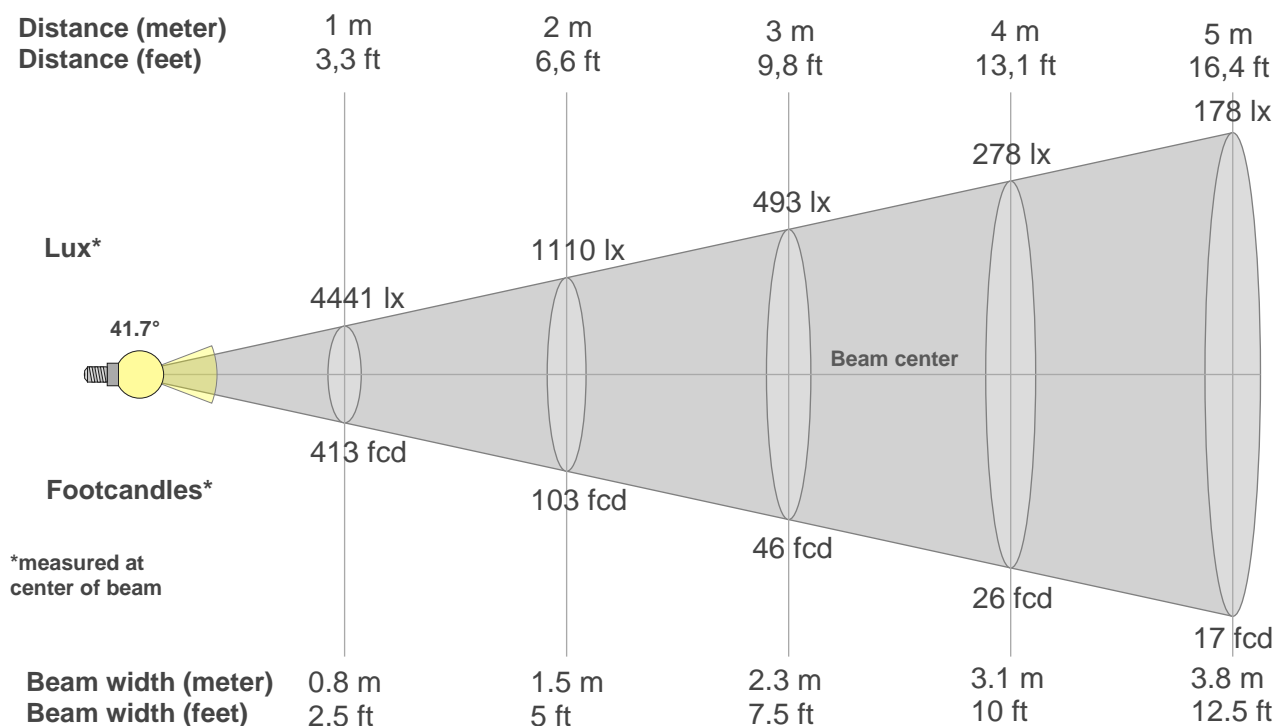
Fidelity index Rf

Rg 97.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	82	4%	11%
5	89	7%	6%
6	89	7%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	83	-7%	6%
11	80	-4%	13%
12	84	5%	7%
13	88	7%	-3%
14	82	7%	-13%
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
4441lx	1110lx	493lx	278lx	178lx	123lx	91lx	69lx	55lx	44lx	37lx	31lx	26lx	23lx	20lx	17lx	15lx	14lx	12lx	11lx
412.6fcd	103.2fcd	45.8fcd	25.8fcd	16.5fcd	11.5fcd	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°
4441	4432	4374	4270	4105	3887	3619	3312	2982	2669	2372	2047	1704	1367	1070	836	646	484	342	220
100%	100%	98%	96%	92%	88%	81%	75%	67%	60%	53%	46%	38%	31%	24%	19%	15%	11%	8%	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°
4441	4421	4361	4260	4108	3884	3606	3298	2980	2668	2364	2023	1667	1338	1053	817	628	478	341	228
100%	100%	98%	96%	92%	87%	81%	74%	67%	60%	53%	46%	38%	30%	24%	18%	14%	11%	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°
4441	4408	4341	4249	4079	3852	3581	3283	2974	2682	2377	2038	1685	1350	1058	831	648	491	352	230
100%	99%	98%	96%	92%	87%	81%	74%	67%	60%	54%	46%	38%	30%	24%	19%	15%	11%	8%	5%

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°
4441	4410	4331	4226	4067	3851	3586	3279	2960	2656	2352	2025	1664	1326	1045	812	624	471	333	221
100%	99%	98%	95%	92%	87%	81%	74%	67%	60%	53%	46%	37%	30%	24%	18%	14%	11%	8%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41.7°	69°	82.4°	99.8%	99.0%