

Light efficiency:

34 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

2884 K

Output: 1025 lm

Peak: 3481 cd

Power: 30.0 W

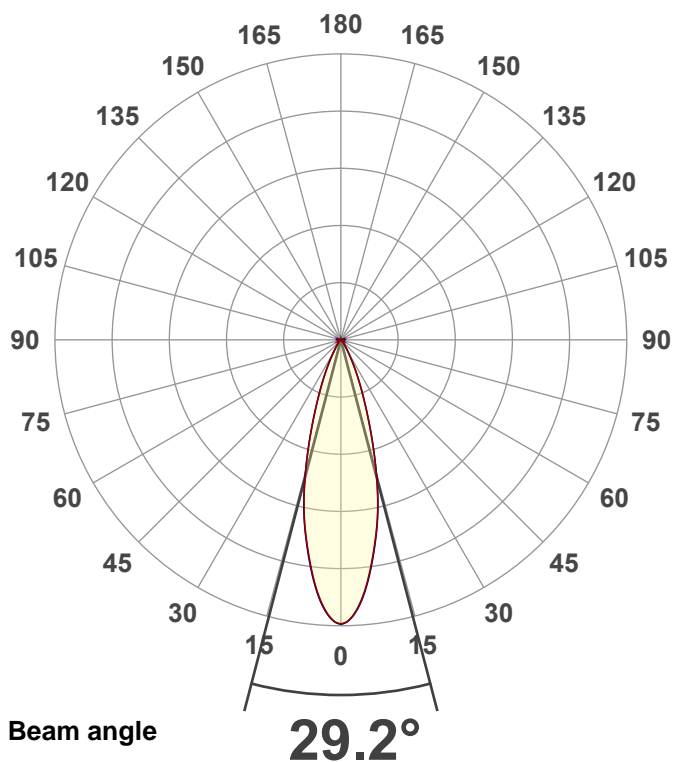
PF: 0.98



NU3-RDDR-XTM09-16LM-30K-83-15D-DL-SA

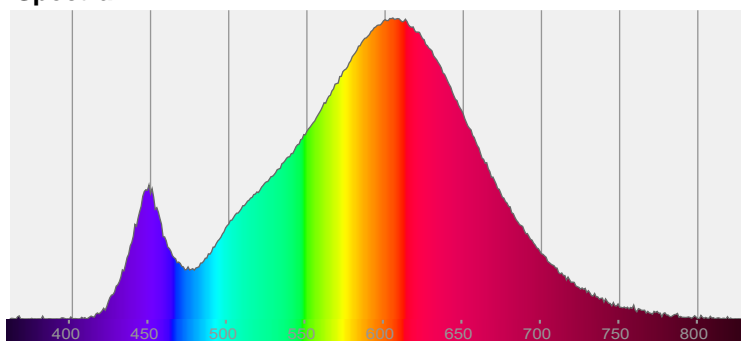
Date and time:

4/11/2022 10:11:25 AM



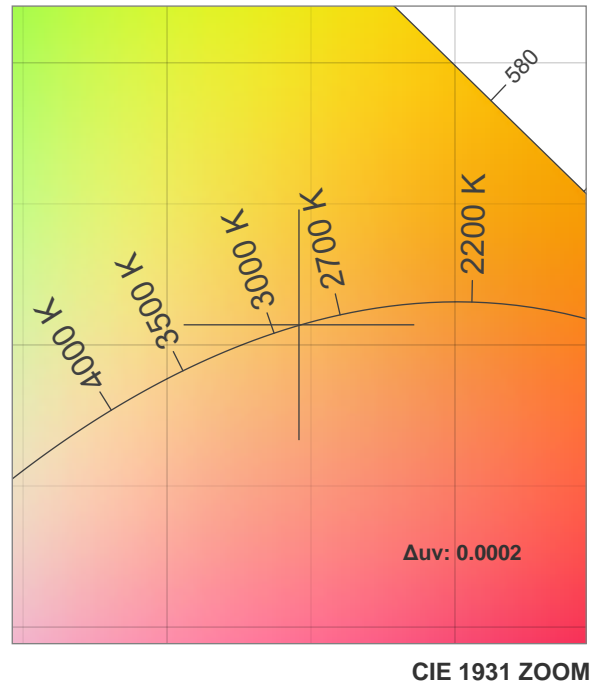
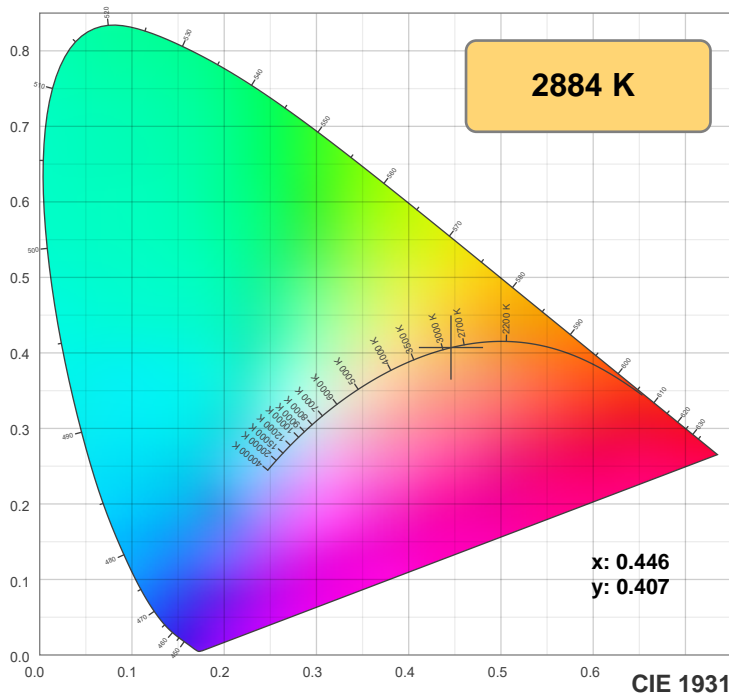
CIE 1931
x: 0.446
y: 0.407

Spectra

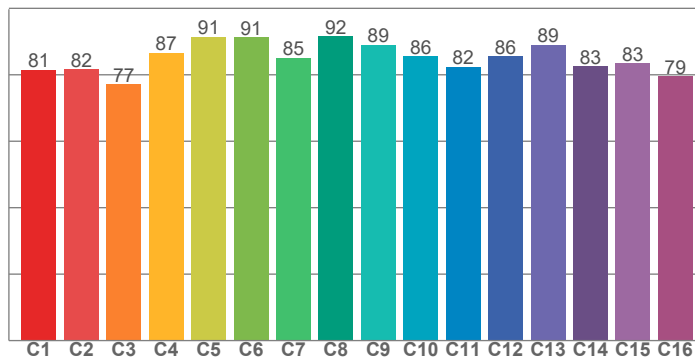


Power

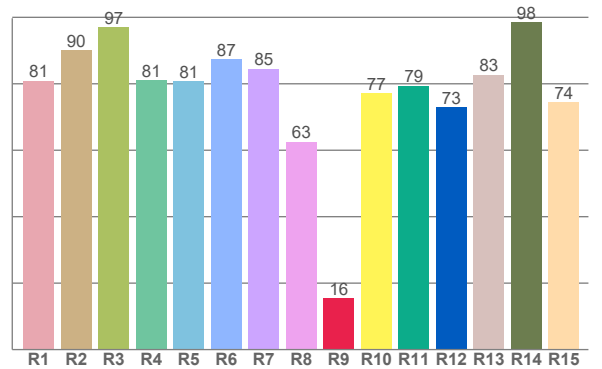
Voltage: 122 V
Current: 0.247 A
Frequency: 0 Hz



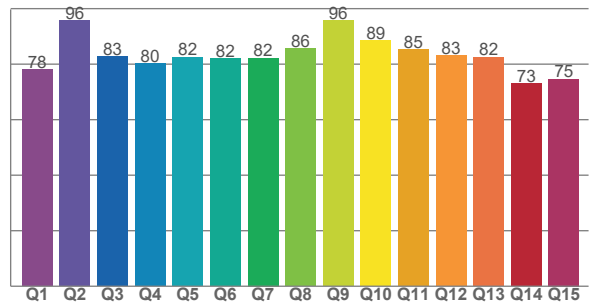
TM30: 85.0



CRI: 83.0 (R1-R8)



CQS: 82.2



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
80.9	90.0	97.1	81.0	80.7	87.3	84.5	62.5	15.5	77.2	79.4	72.9	82.7	98.5	74.4

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
81.4	81.7	77.1	86.6	91.3	91.3	85.1	91.6	89.0	85.6	82.5	85.5	88.9	82.6	83.4	79.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.6	82.8	80.2	82.4	82.1	82.2	85.7	95.7	88.5	85.2	83.1	82.5	73.0	74.6

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
2884 K	83.0	15.5	85.0	97.3	82.2	0.446	0.407	0.255	0.349	0.0002

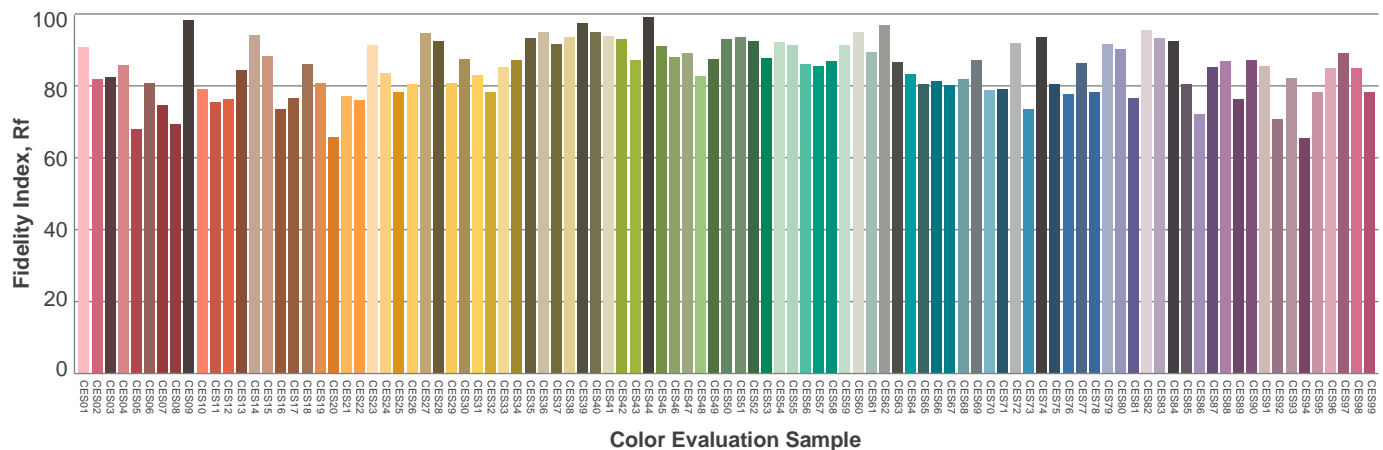
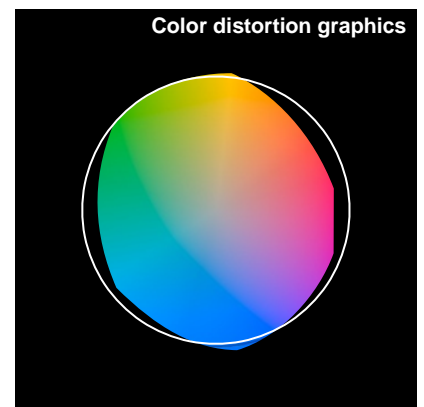
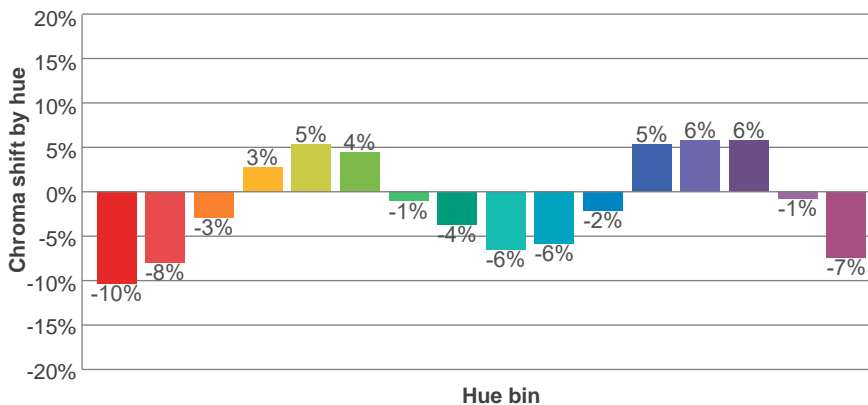
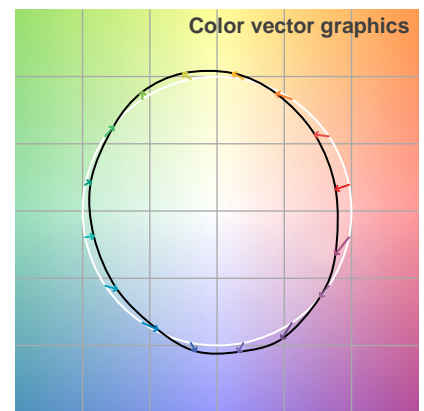
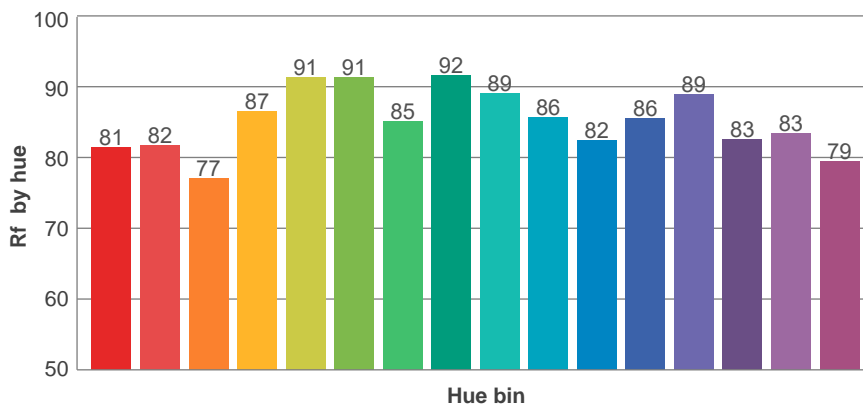
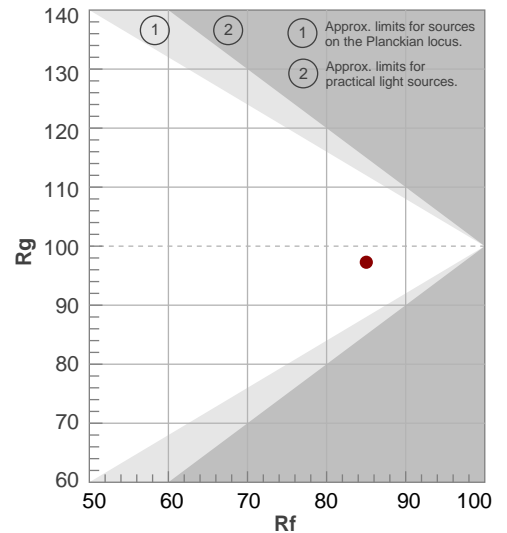
Rf 85.0

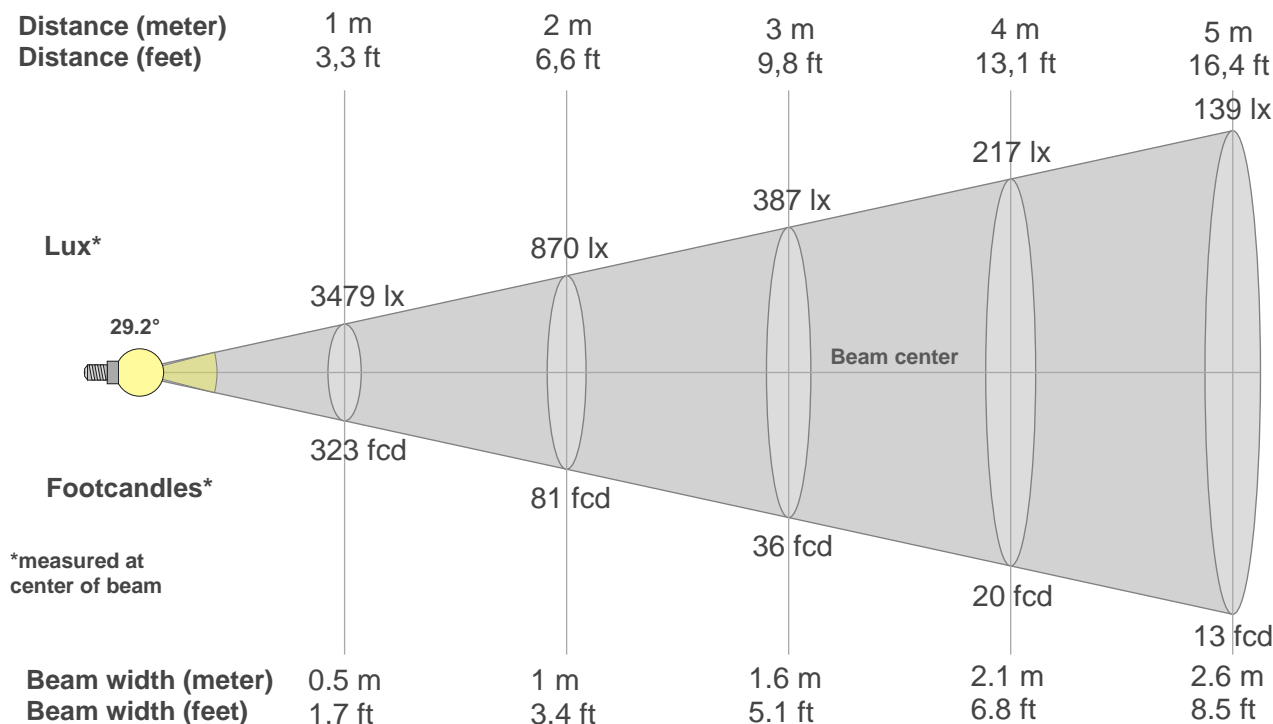
Fidelity index Rf

Rg 97.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	87	3%	8%
5	91	5%	5%
6	91	4%	-3%
7	85	-1%	-9%
8	92	-4%	-3%
9	89	-6%	0%
10	86	-6%	7%
11	82	-2%	12%
12	86	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
16	79	-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
3479lx	870lx	387lx	217lx	139lx	97lx	71lx	54lx	43lx	35lx	29lx	24lx	21lx	18lx	15lx	14lx	12lx	11lx	10lx	9lx
323.2fcd	80.8fcd	35.9fcd	20.2fcd	12.9fcd	9fcd	6.6fcd	5.1fcd	4fcd	3.2fcd	2.7fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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°
3479	3413	3248	3013	2734	2452	2164	1840	1500	1186	917	702	532	392	282	201	145	106	78	58
100%	98%	93%	87%	79%	70%	62%	53%	43%	34%	26%	20%	15%	11%	8%	6%	4%	3%	2%	2%

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°
3479	3418	3260	3028	2750	2464	2173	1846	1505	1188	915	699	527	387	276	196	141	104	77	58
100%	98%	94%	87%	79%	71%	62%	53%	43%	34%	26%	20%	15%	11%	8%	6%	4%	3%	2%	2%

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°
3479	3413	3248	3013	2734	2452	2164	1840	1500	1186	917	702	532	392	282	201	145	106	78	58
100%	98%	93%	87%	79%	70%	62%	53%	43%	34%	26%	20%	15%	11%	8%	6%	4%	3%	2%	2%

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°
3479	3418	3260	3028	2750	2464	2173	1846	1505	1188	915	699	527	387	276	196	141	104	77	58
100%	98%	94%	87%	79%	71%	62%	53%	43%	34%	26%	20%	15%	11%	8%	6%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29.2°	53.3°	70.4°	99.4%	98.8%