

Light efficiency:

35 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

2890 K

Output: 1048 lm

Peak: 4579 cd

Power: 30.0 W

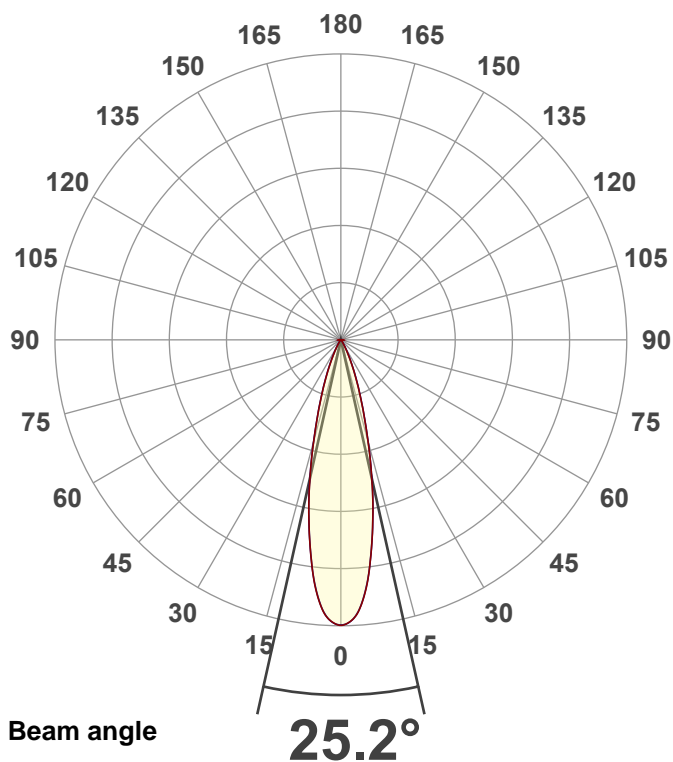
PF: 0.98



NU3-RDDR-XTM09-16LM-30K-83-25D-HET-SA

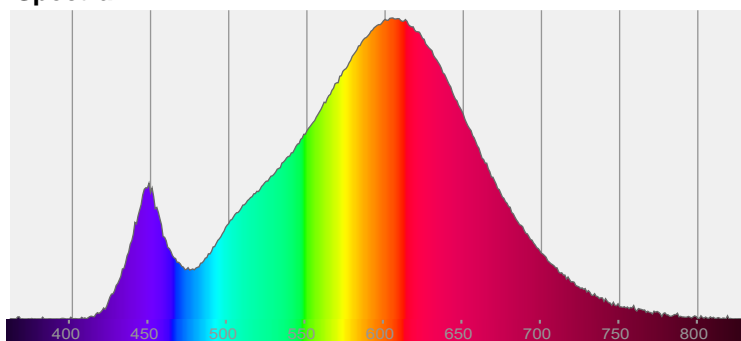
Date and time:

4/11/2022 1:35:57 PM



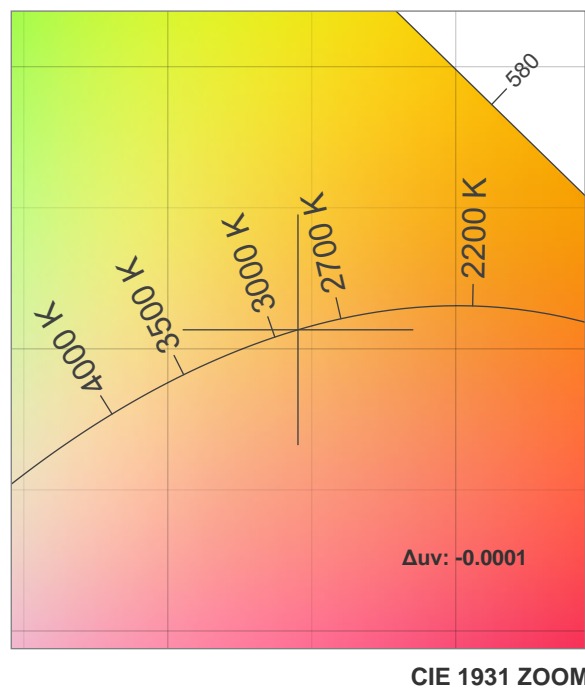
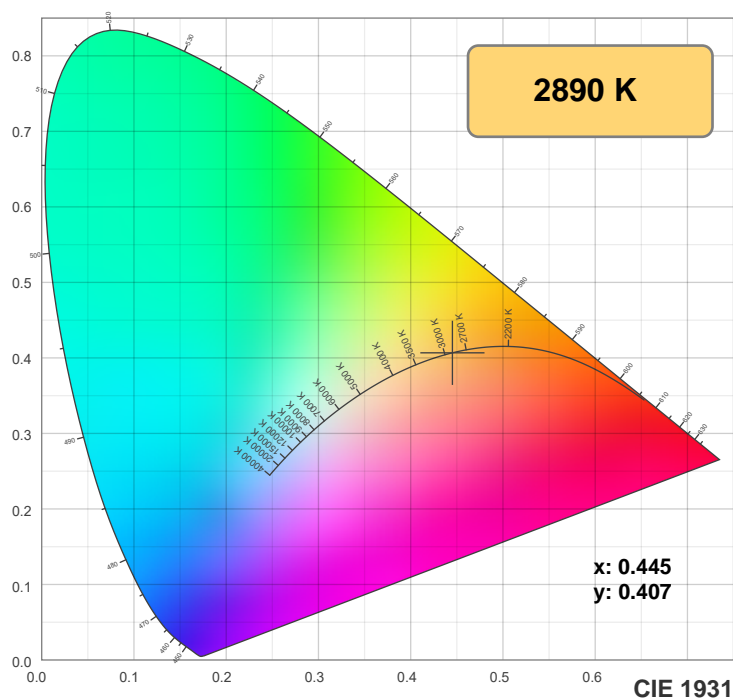
CIE 1931
x: 0.445
y: 0.407

Spectra

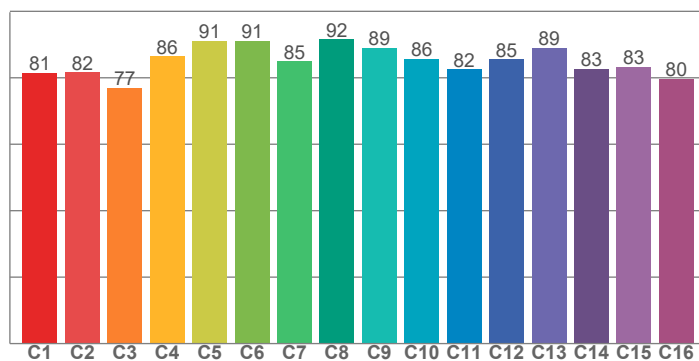


Power

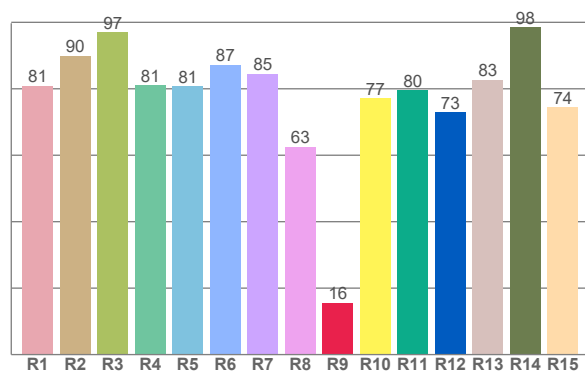
Voltage: 122 V
Current: 0.247 A
Frequency: 0 Hz



TM30: 85.0



CRI: 83.0 (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
80.9	90.0	97.0	81.1	80.7	87.3	84.6	62.6	15.6	77.1	79.5	73.0	82.7	98.5	74.5

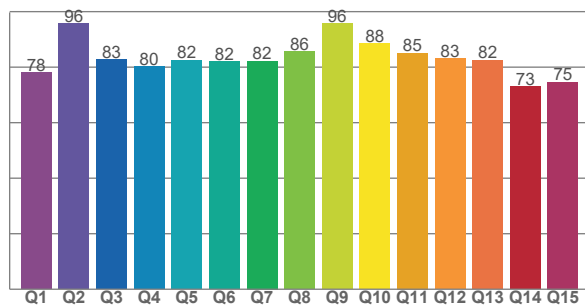
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.5	81.7	76.9	86.4	91.1	91.1	85.0	91.5	89.0	85.7	82.5	85.5	88.9	82.6	83.3	79.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	95.7	82.7	80.2	82.5	82.0	82.1	85.6	95.7	88.4	85.1	83.0	82.5	73.1	74.6

CQS: 82.2



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
2890 K	83.0	15.6	85.0	97.4	82.2	0.445	0.407	0.255	0.349	-0.0001

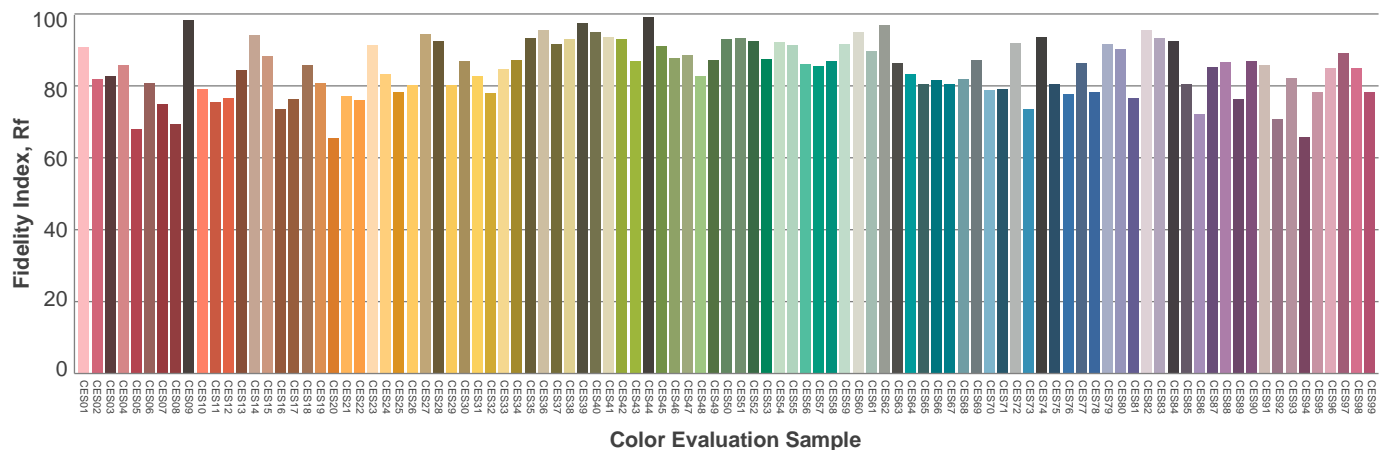
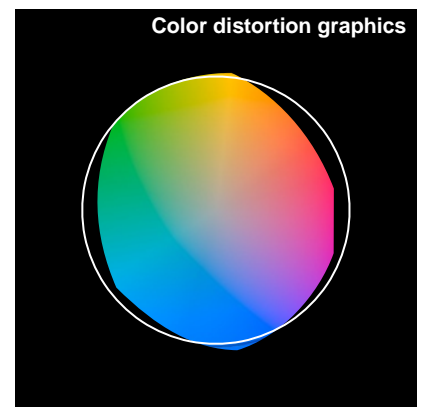
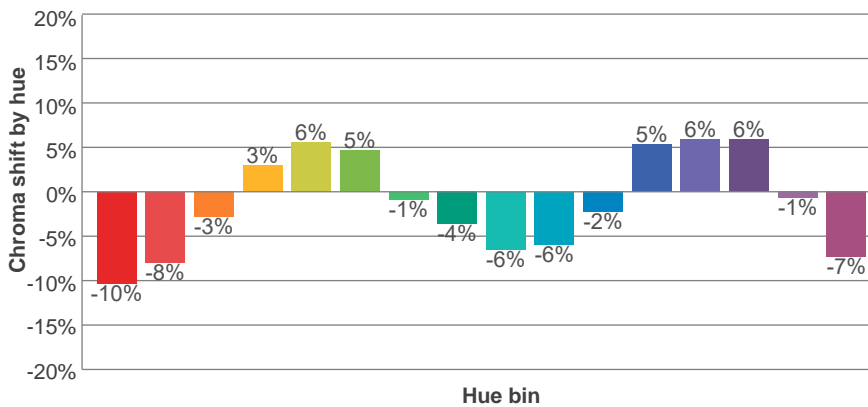
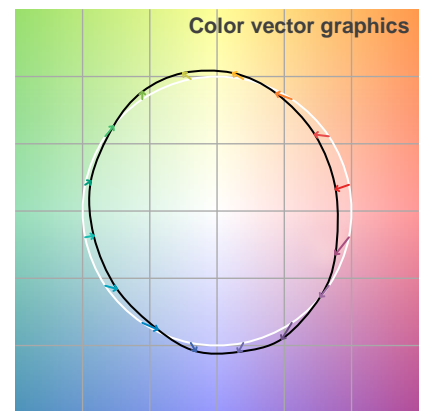
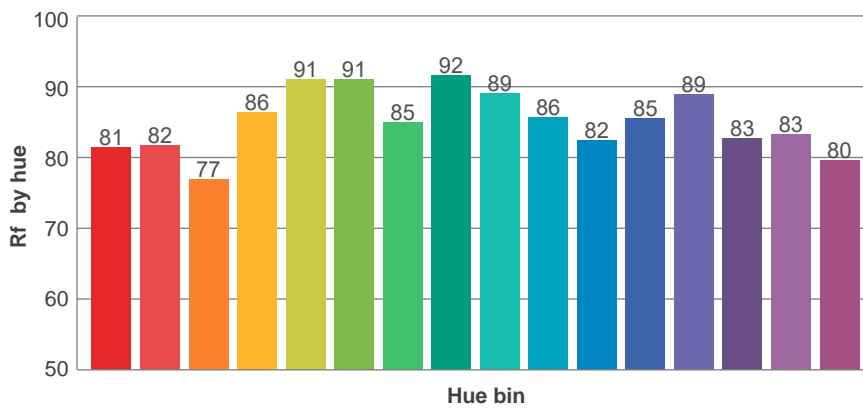
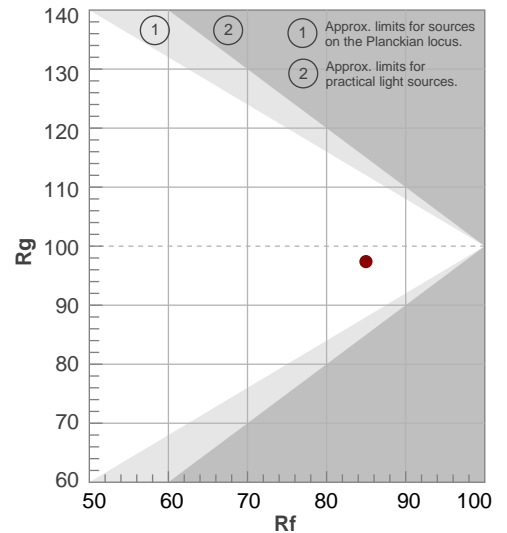
Rf 85.0

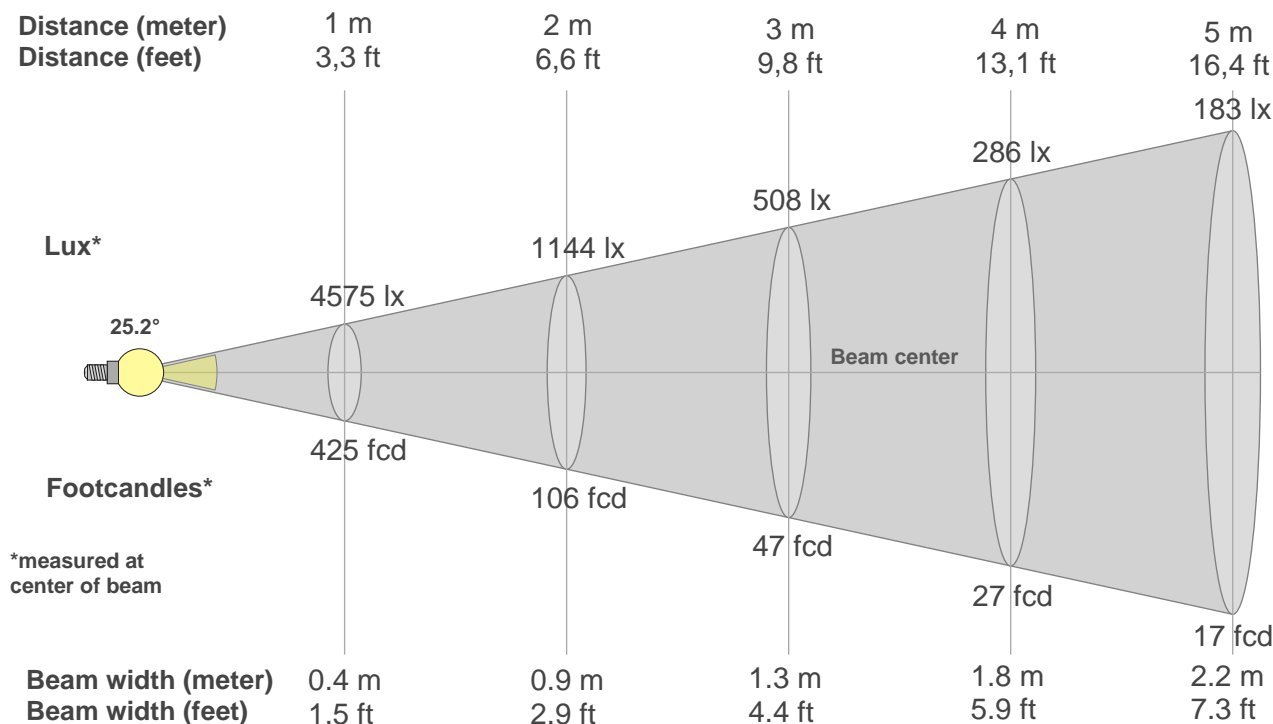
Fidelity index Rf

Rg 97.4

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	86	3%	9%
5	91	6%	5%
6	91	5%	-3%
7	85	-1%	-10%
8	92	-4%	-4%
9	89	-6%	0%
10	86	-6%	7%
11	82	-2%	12%
12	85	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
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
4575lx	1144lx	508lx	286lx	183lx	127lx	93lx	71lx	56lx	46lx	38lx	32lx	27lx	23lx	20lx	18lx	16lx	14lx	13lx	11lx
425fcd	106.2fcd	47.2fcd	26.6fcd	17fcd	11.8fcd	8.7fcd	6.6fcd	5.2fcd	4.2fcd	3.5fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

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°
4575	4511	4327	3979	3481	2965	2446	1938	1479	1125	841	611	427	292	196	129	84	55	39	28
100%	99%	95%	87%	76%	65%	53%	42%	32%	25%	18%	13%	9%	6%	4%	3%	2%	1%	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°
4575	4514	4333	3958	3476	2962	2447	1936	1491	1132	847	621	439	307	208	138	90	60	42	30
100%	99%	95%	87%	76%	65%	54%	42%	33%	25%	19%	14%	10%	7%	5%	3%	2%	1%	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°
4575	4511	4327	3979	3481	2965	2446	1938	1479	1125	841	611	427	292	196	129	84	55	39	28
100%	99%	95%	87%	76%	65%	53%	42%	32%	25%	18%	13%	9%	6%	4%	3%	2%	1%	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°
4575	4514	4333	3958	3476	2962	2447	1936	1491	1132	847	621	439	307	208	138	90	60	42	30
100%	99%	95%	87%	76%	65%	54%	42%	33%	25%	19%	14%	10%	7%	5%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.2°	47.4°	61.3°	99.4%	99.1%