

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 83.4

Color temperature:

2885 K

Output: 1389 lm

Peak: 5135 cd

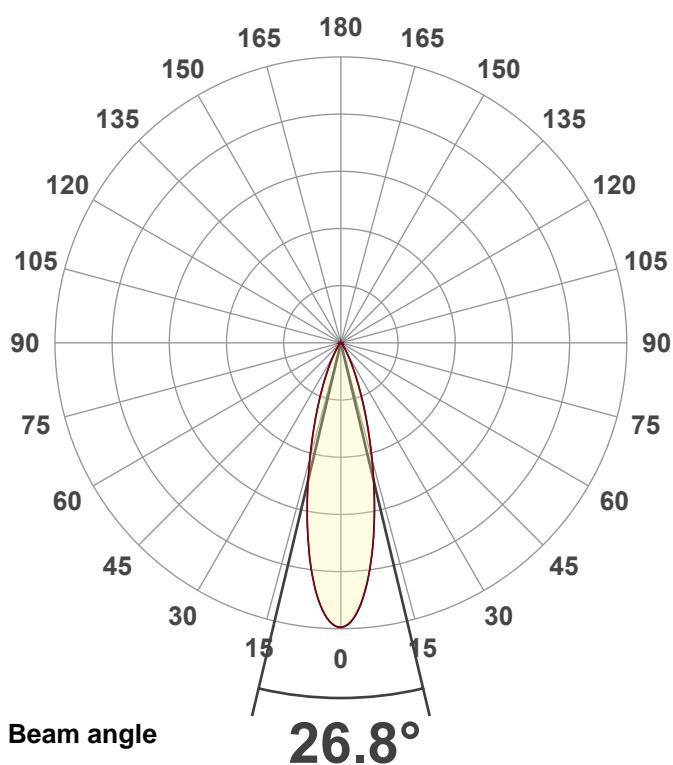
Power: 35.8 W

PF: 0.98



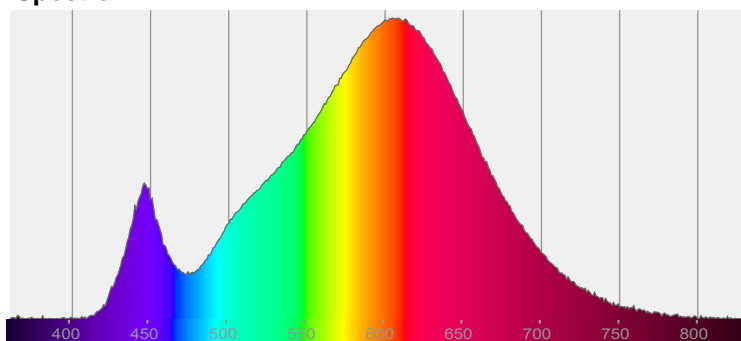
NU3-RA-XTM09-20LM-30K-83-25D-
HETA-NL-WH-WH

Date and time:
6/7/2022 10:48:09 AM

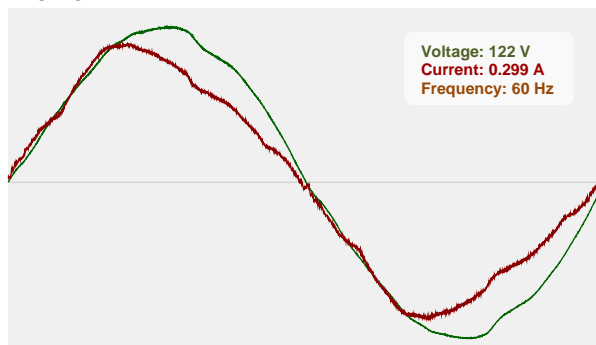


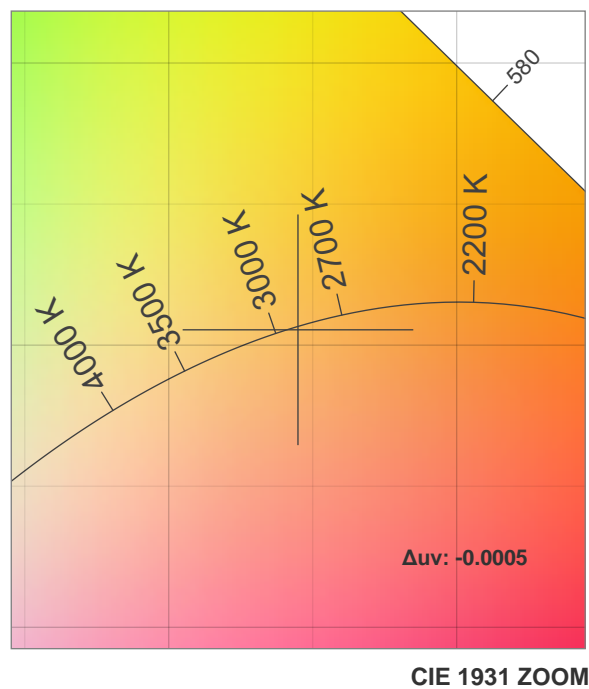
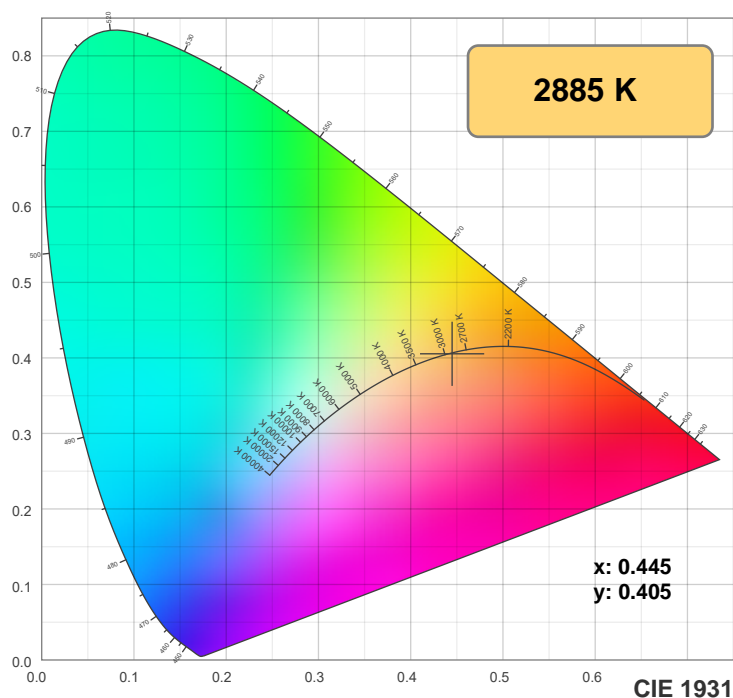
CIE 1931
x: 0.445
y: 0.405

Spectra

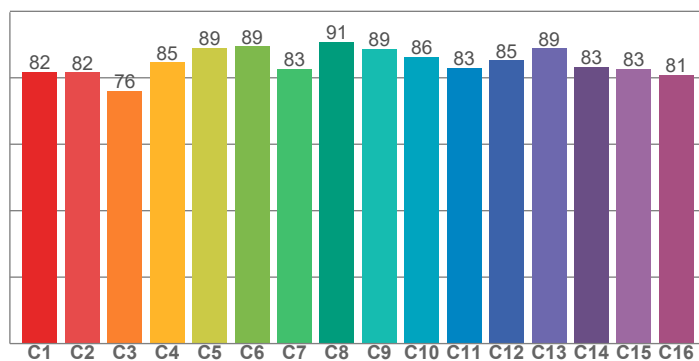


Power

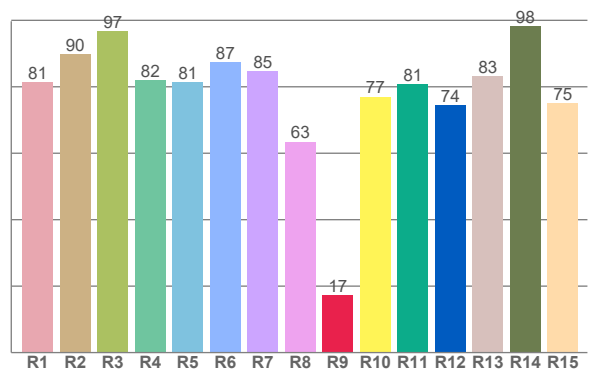




TM30: 84.6



CRI: 83.4 (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
81.4	89.9	96.8	82.0	81.3	87.3	84.8	63.4	17.3	77.0	80.8	74.4	83.1	98.2	75.0

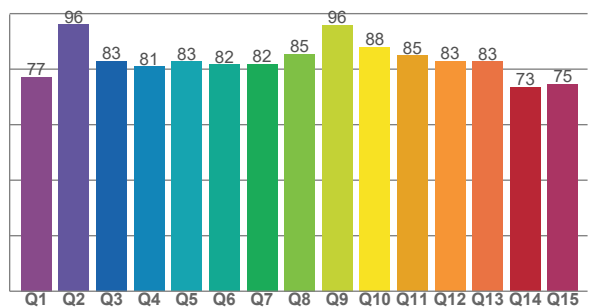
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.8	81.7	76.1	84.6	89.0	89.4	82.8	90.9	88.7	86.4	83.1	85.3	88.8	83.4	82.6	80.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.1	82.9	81.0	82.7	81.7	81.9	85.5	95.8	87.9	84.9	83.0	82.7	73.5	74.5

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
2885 K	83.4	17.3	84.6	98.4	82.2	0.445	0.405	0.255	0.349	-0.0005

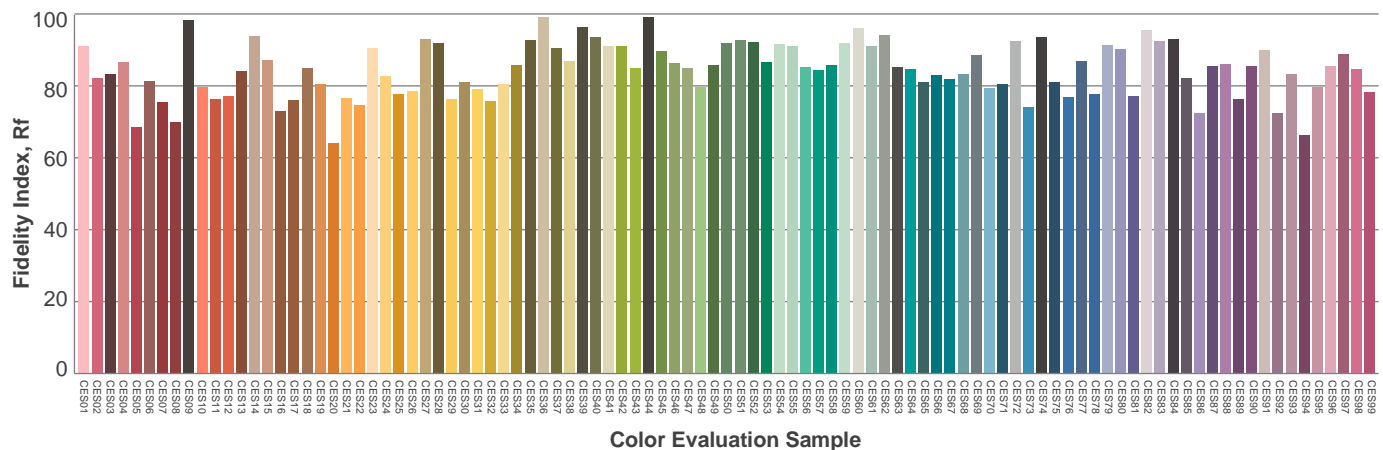
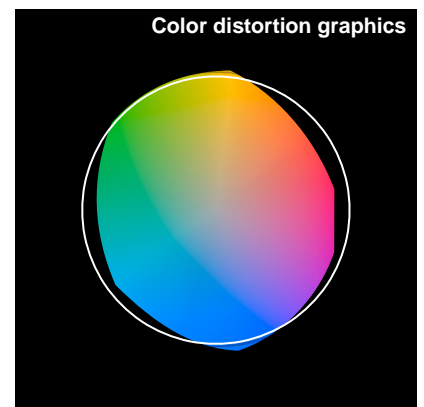
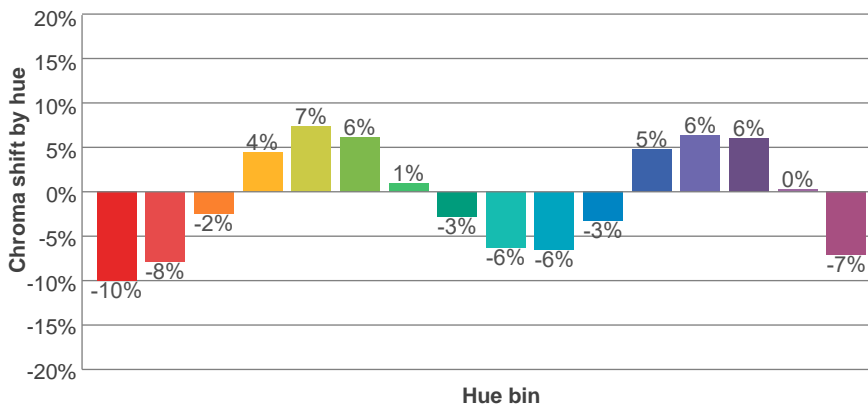
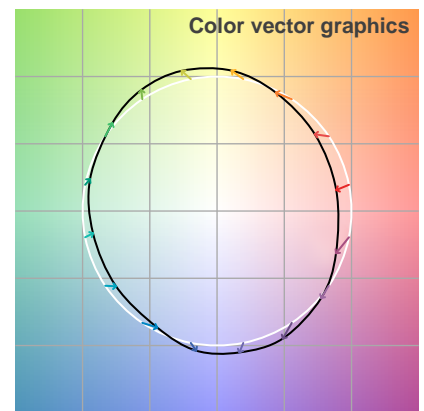
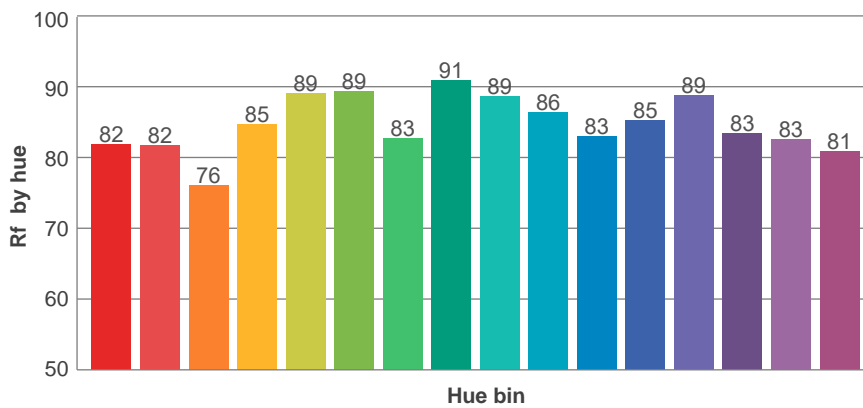
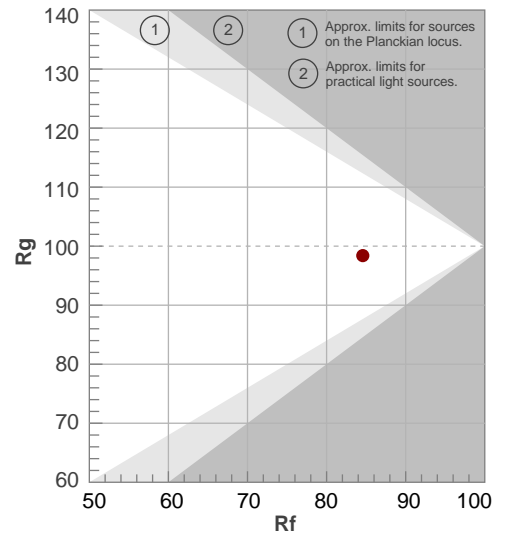
Rf 84.6

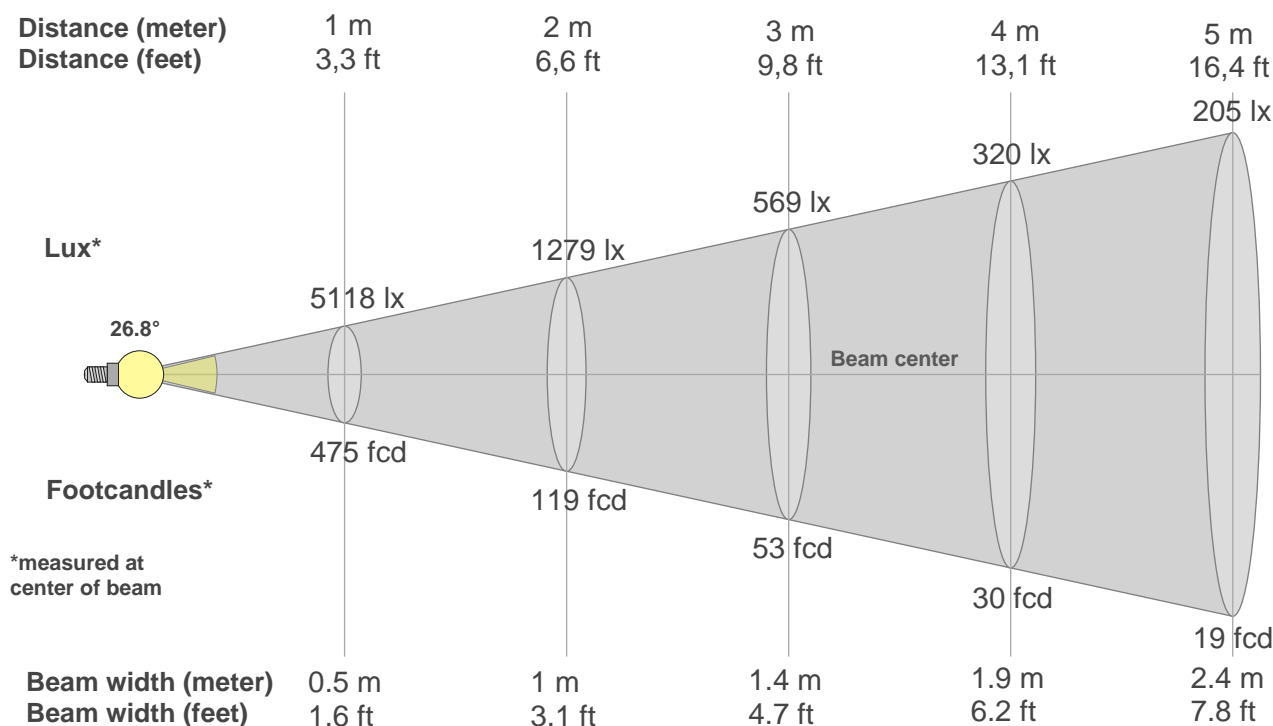
Fidelity index Rf

Rg 98.4

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	85	4%	10%
5	89	7%	5%
6	89	6%	-3%
7	83	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	86	-6%	5%
11	83	-3%	11%
12	85	5%	5%
13	89	6%	-4%
14	83	6%	-12%
15	83	0%	-11%
16	81	-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
5118lx	1279lx	569lx	320lx	205lx	142lx	104lx	80lx	63lx	51lx	42lx	36lx	30lx	26lx	23lx	20lx	18lx	16lx	14lx	13lx
475.4fcd	118.9fcd	52.8fcd	29.7fcd	19fcd	13.2fcd	9.7fcd	7.4fcd	5.9fcd	4.8fcd	3.9fcd	3.3fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.6fcd	1.5fcd	1.3fcd	1.2fcd

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°
5118	5041	4777	4396	3941	3440	2920	2413	1957	1562	1218	926	687	498	363	265	192	138	97	70
100%	99%	93%	86%	77%	67%	57%	47%	38%	31%	24%	18%	13%	10%	7%	5%	4%	3%	2%	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°
5118	5039	4798	4409	3943	3433	2913	2409	1937	1522	1170	880	650	473	339	245	176	125	88	62
100%	98%	94%	86%	77%	67%	57%	47%	38%	30%	23%	17%	13%	9%	7%	5%	3%	2%	2%	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°
5118	5037	4806	4447	3988	3461	2924	2413	1952	1550	1206	914	686	508	374	274	200	145	107	78
100%	98%	94%	87%	78%	68%	57%	47%	38%	30%	24%	18%	13%	10%	7%	5%	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°
5118	5037	4807	4447	3981	3452	2917	2407	1943	1538	1198	927	712	537	397	291	214	161	120	89
100%	98%	94%	87%	78%	67%	57%	47%	38%	30%	23%	18%	14%	10%	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
26.8°	51.8°	69.4°	99.8%	99.0%