

Light efficiency:

40 Lumen/Watt

Light quality:

CRI: 83.3

Color temperature:

2887 K

Output: 1431 lm

Peak: 2397 cd

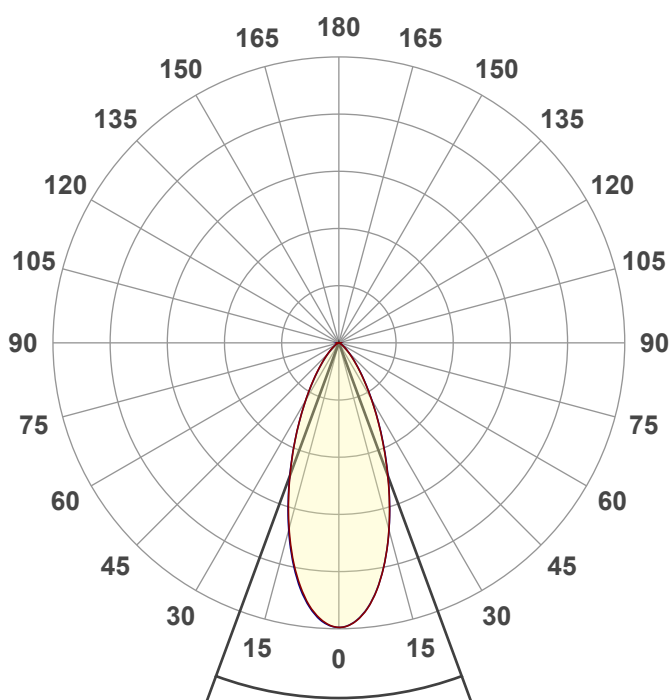
Power: 36.1 W

PF: 0.98



NU3-RA-XTM09-20LM-30K-83-25D-NA-DL-WH-WH

Date and time:  
6/2/2022 3:48:32 PM



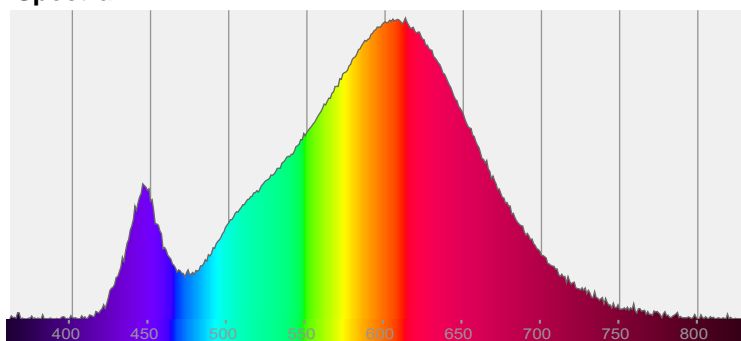
Beam angle

40.5°

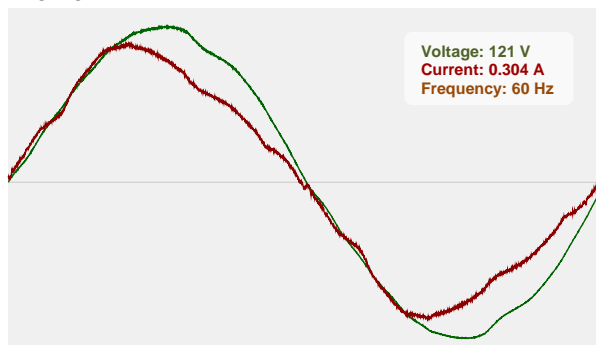


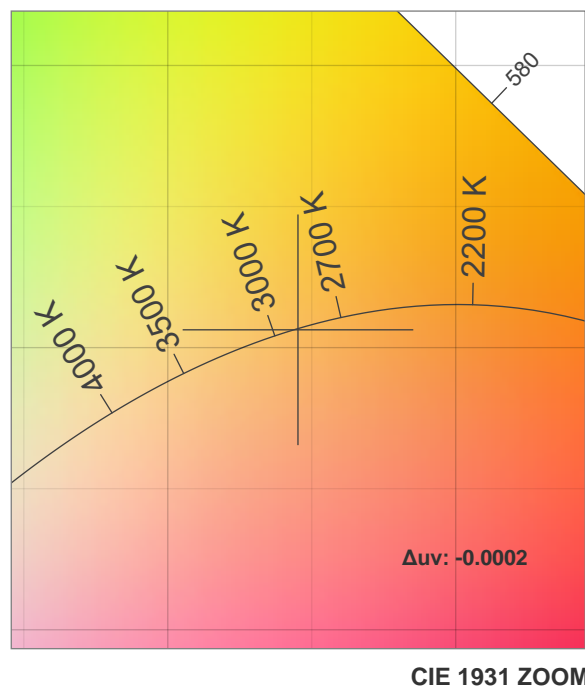
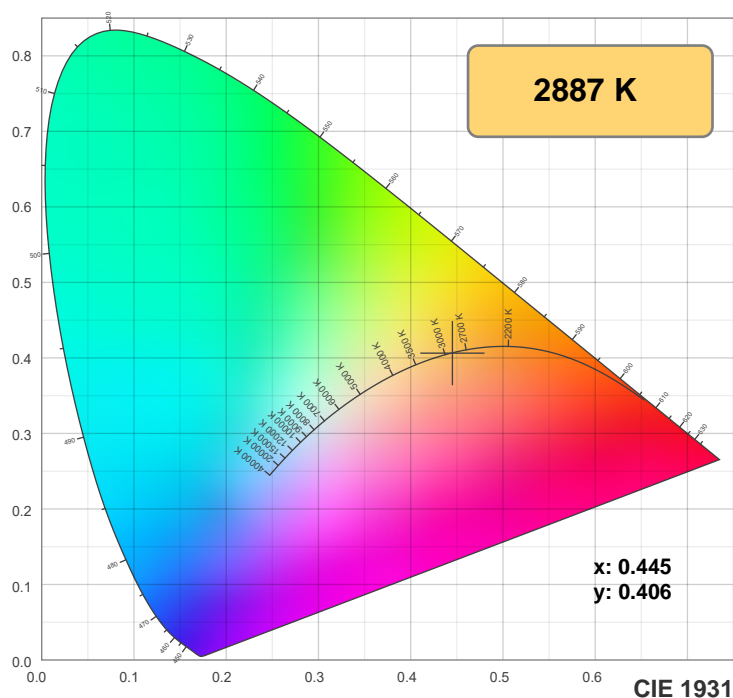
CIE 1931  
x: 0.445  
y: 0.406

Spectra

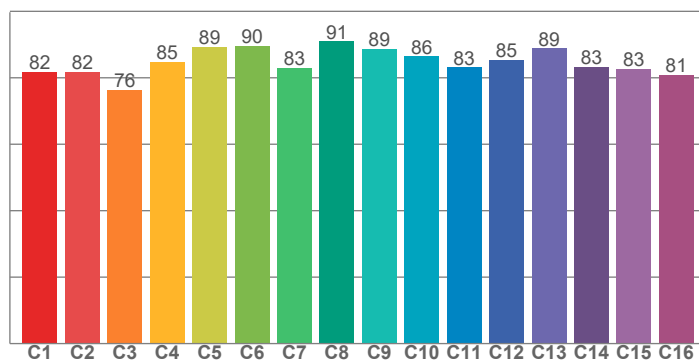


Power

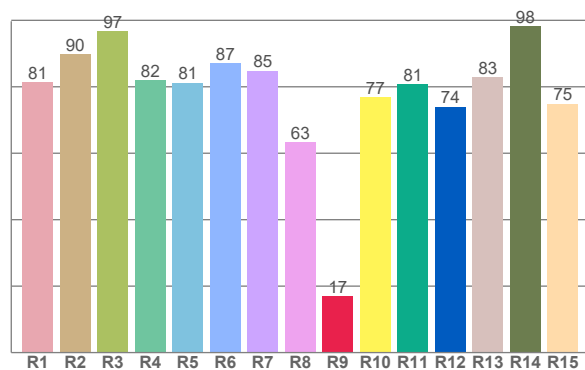




TM30: 84.7



CRI: 83.3 (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
81.3	89.8	96.8	82.0	81.2	87.2	84.9	63.4	17.0	76.8	80.8	74.0	83.0	98.2	74.9

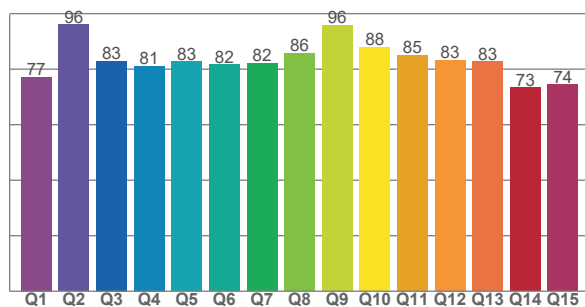
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.8	81.7	76.3	84.8	89.2	89.6	82.9	91.0	88.7	86.4	83.1	85.4	88.9	83.3	82.7	80.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.0	83.0	81.1	82.8	81.7	82.1	85.7	95.9	88.1	85.2	83.2	82.8	73.3	74.5

CQS: 82.3



## 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	$\Delta uv$
2887 K	83.3	17.0	84.7	98.3	82.3	0.445	0.406	0.255	0.349	-0.0002

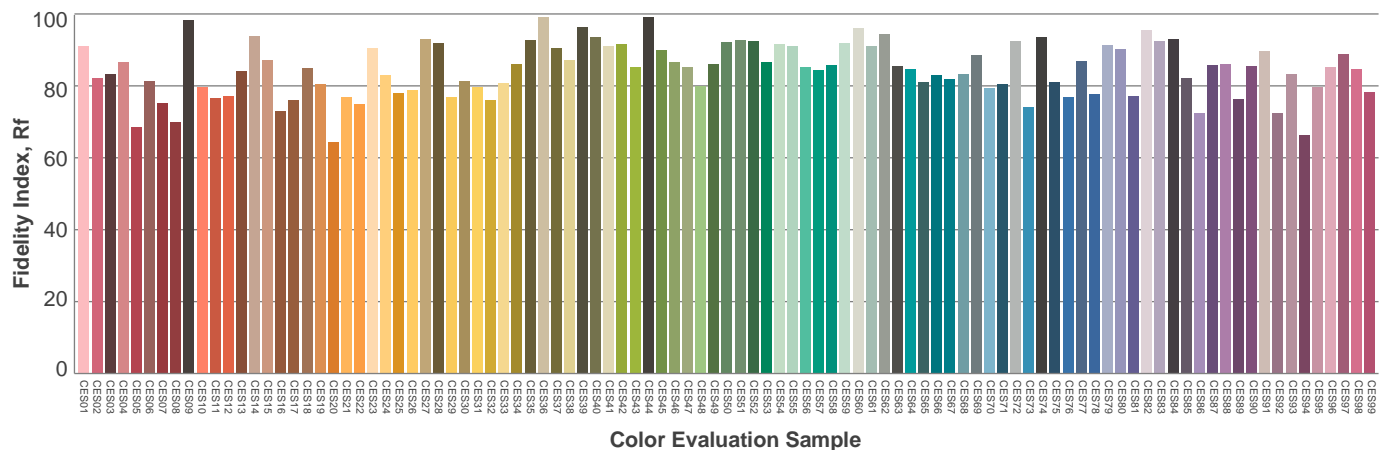
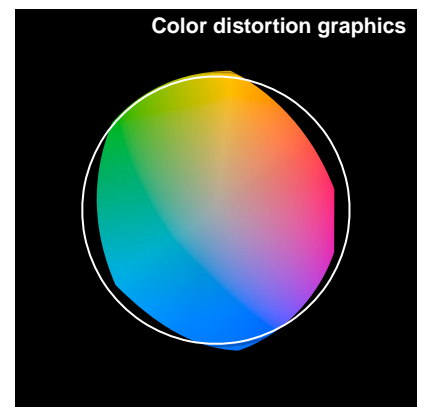
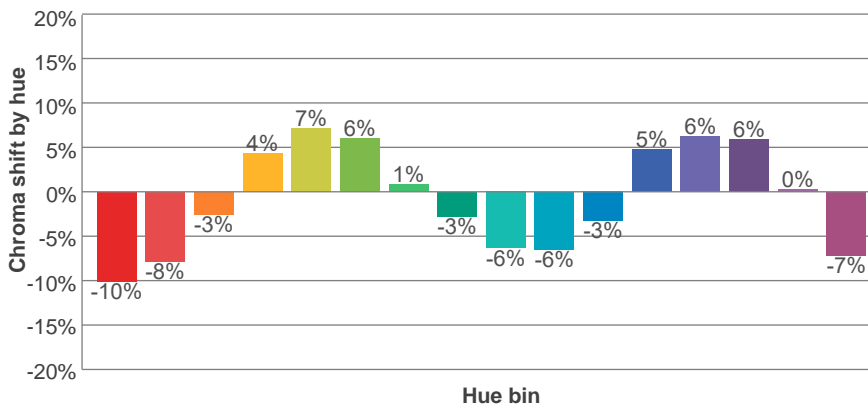
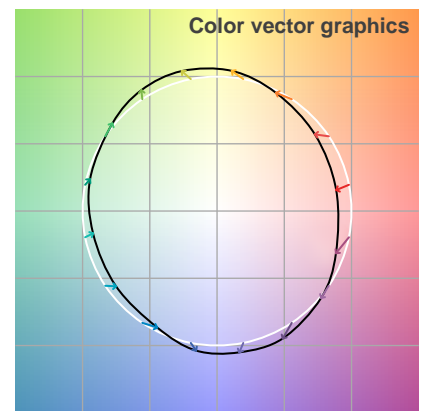
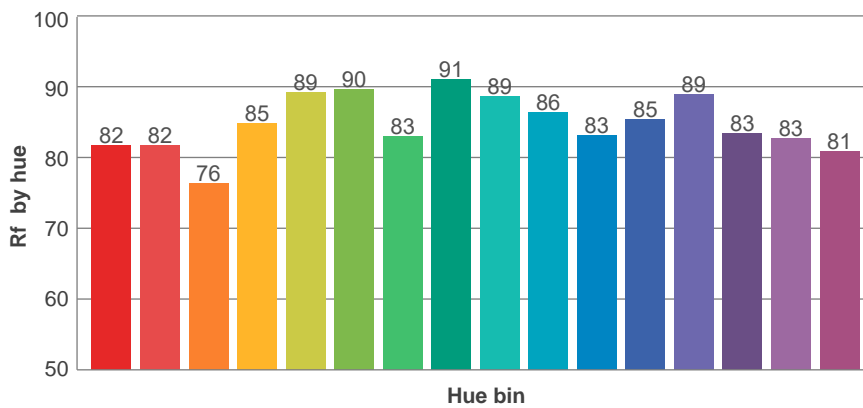
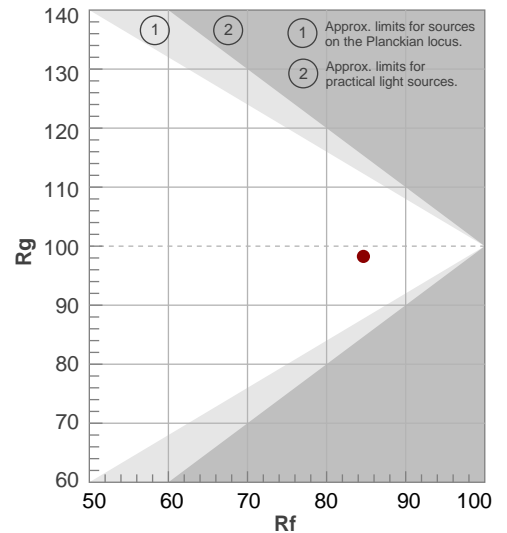
**Rf 84.7**

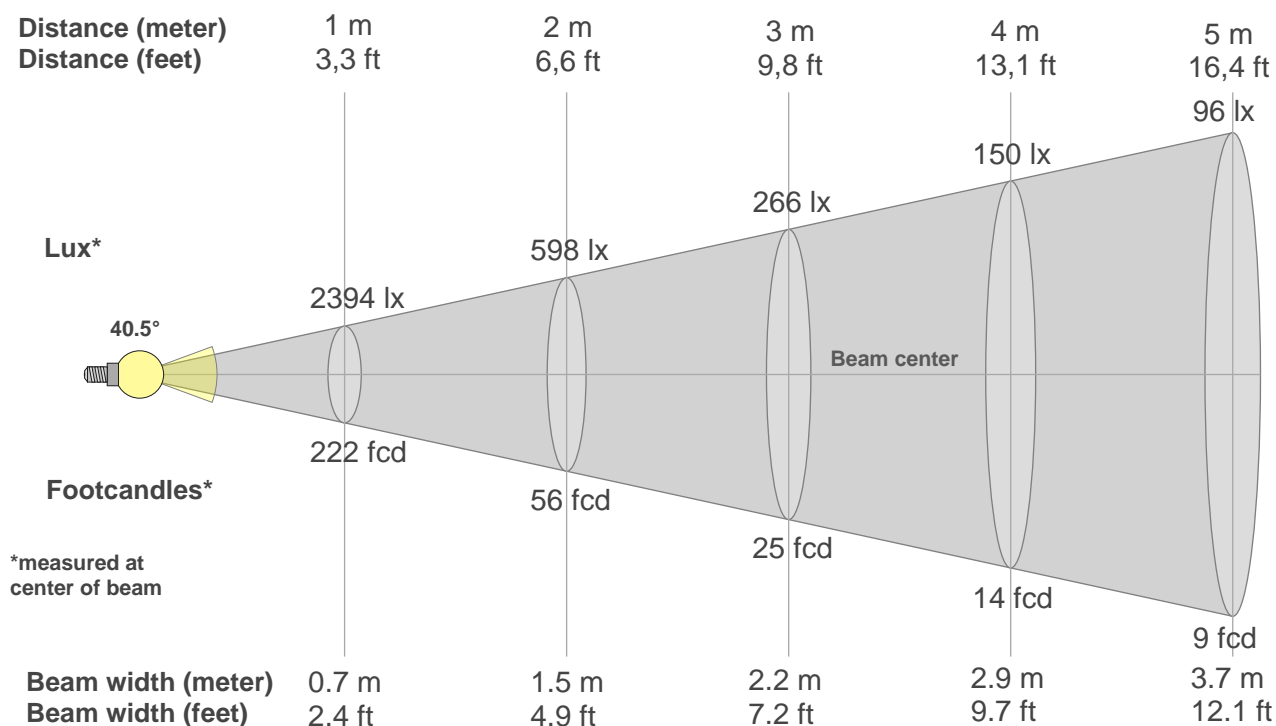
Fidelity index Rf

**Rg 98.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-3%	12%
4	85	4%	10%
5	89	7%	5%
6	90	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
2394lx	598lx	266lx	150lx	96lx	66lx	49lx	37lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
222.4fcd	55.6fcd	24.7fcd	13.9fcd	8.9fcd	6.2fcd	4.5fcd	3.5fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

#### 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°
2394	2380	2334	2260	2151	2021	1874	1715	1547	1378	1213	1055	907	775	656	550	457	376	310	254
100%	99%	98%	94%	90%	84%	78%	72%	65%	58%	51%	44%	38%	32%	27%	23%	19%	16%	13%	11%

#### 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°
2394	2378	2332	2254	2147	2019	1873	1716	1550	1382	1218	1062	914	781	662	556	463	383	317	260
100%	99%	97%	94%	90%	84%	78%	72%	65%	58%	51%	44%	38%	33%	28%	23%	19%	16%	13%	11%

#### 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°
2394	2376	2328	2246	2137	2007	1863	1704	1538	1373	1212	1058	915	785	667	563	473	395	330	273
100%	99%	97%	94%	89%	84%	78%	71%	64%	57%	51%	44%	38%	33%	28%	24%	20%	17%	14%	11%

#### 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°
2394	2379	2336	2257	2150	2022	1876	1718	1551	1382	1218	1062	914	782	664	559	466	384	319	263
100%	99%	98%	94%	90%	84%	78%	72%	65%	58%	51%	44%	38%	33%	28%	23%	19%	16%	13%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.5°	77.9°	104.2°	98.8%	93.2%