

Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3137 K

Output: 1451 lm

Peak: 4079 cd

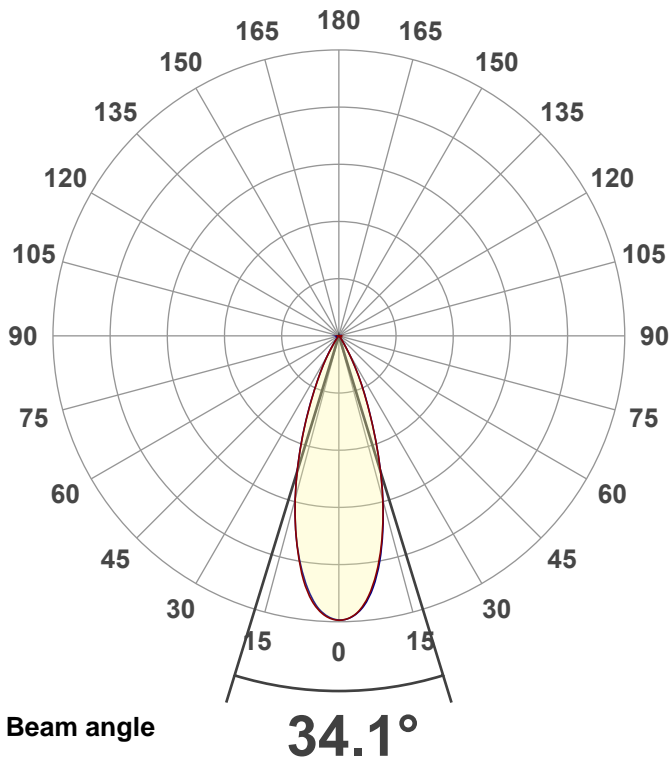
Power: 25.7 W

PF: 0.98



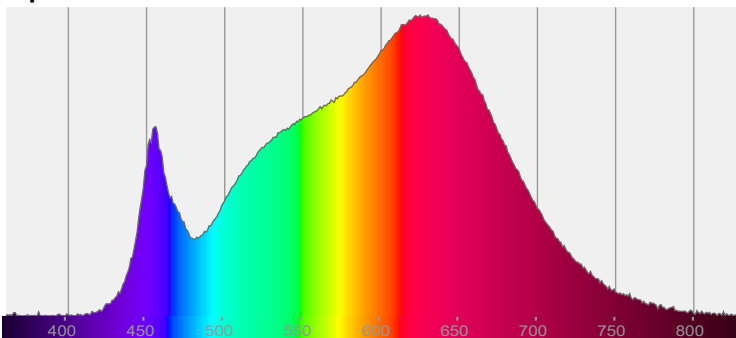
NU3-RA-WD-20LM-3018-97-35D-NA-NL-WH-WH

Date and time:  
7/1/2022 9:39:04 AM

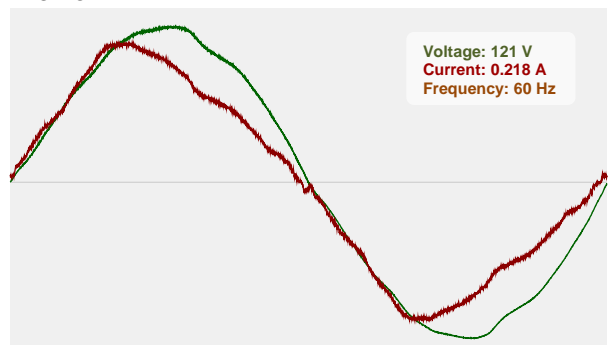


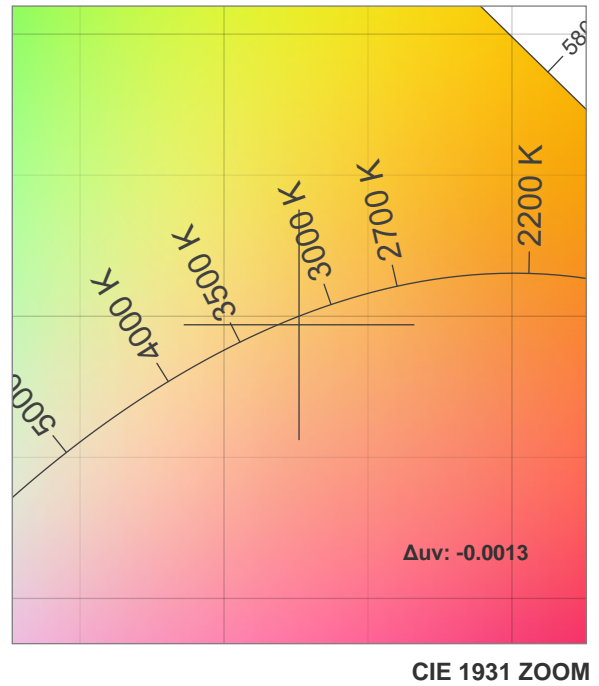
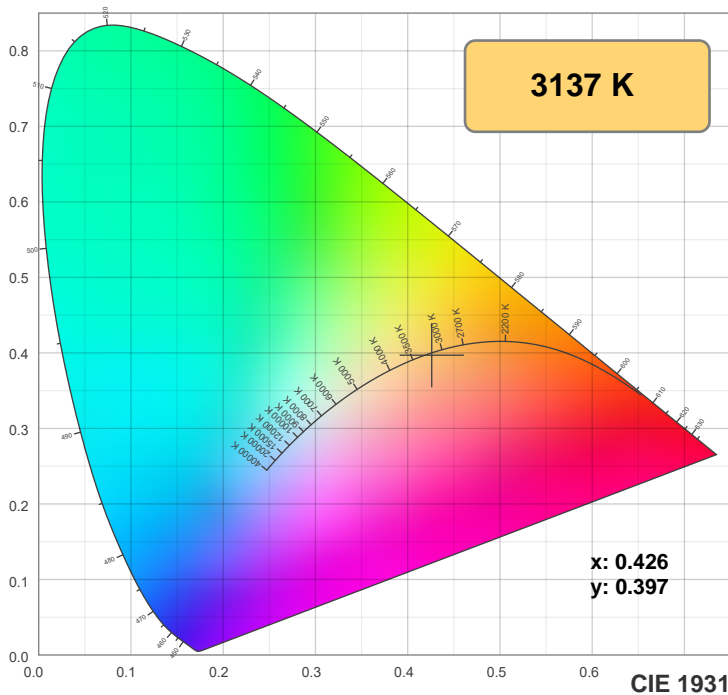
CIE 1931  
x: 0.426  
y: 0.397

Spectra

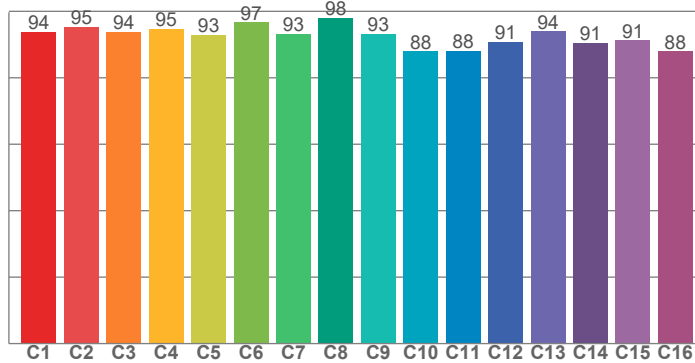


Power

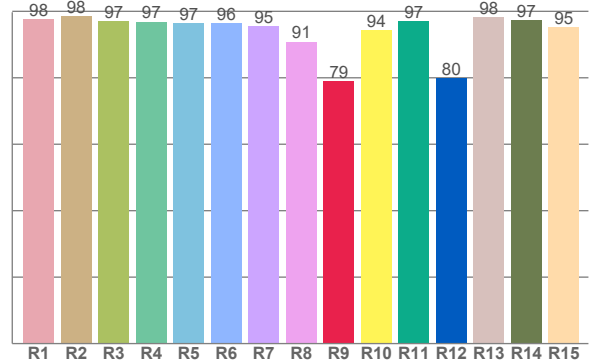




TM30: 92.7



CRI: 96.1 (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
97.5	98.4	97.0	96.9	96.5	96.4	95.5	90.9	79.0	94.4	97.0	79.9	98.2	97.4	95.3

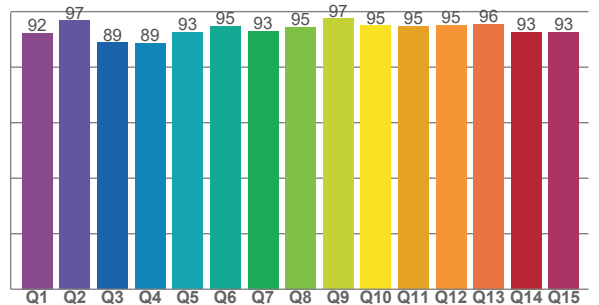
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	95.3	93.7	94.8	93.0	96.7	93.2	98.0	93.1	88.0	88.1	90.9	94.0	90.5	91.3	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.3	96.8	88.9	88.6	92.5	94.9	93.1	94.5	97.5	95.0	94.9	95.2	95.6	92.7	92.6

CQS: 93.1



## 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	$\Delta uv$
3137 K	96.1	79.0	92.7	100.2	93.1	0.426	0.397	0.247	0.345	-0.0013

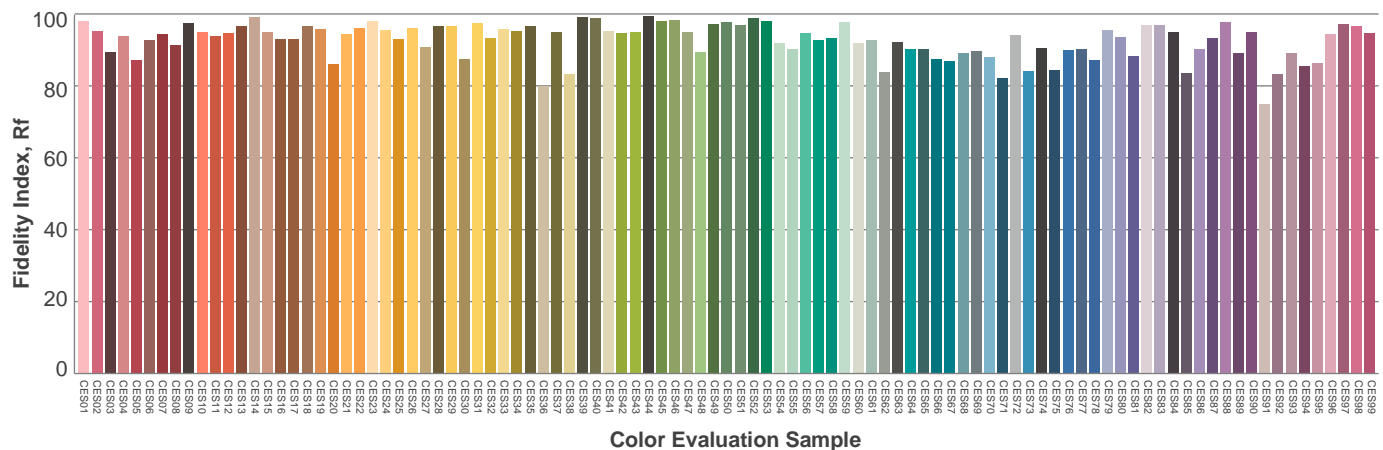
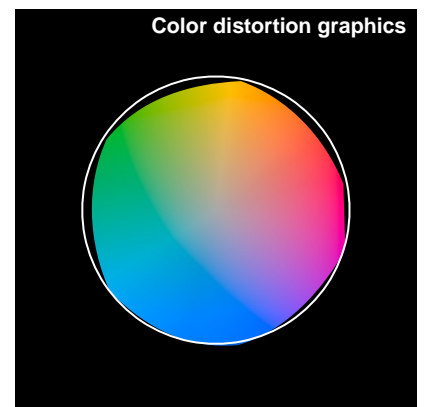
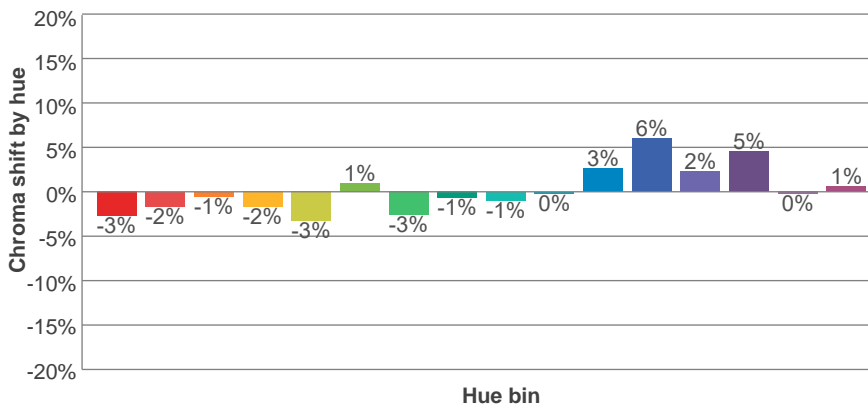
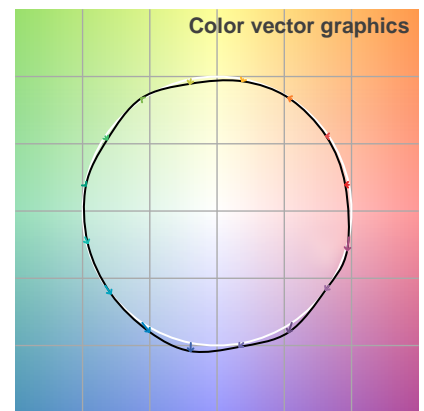
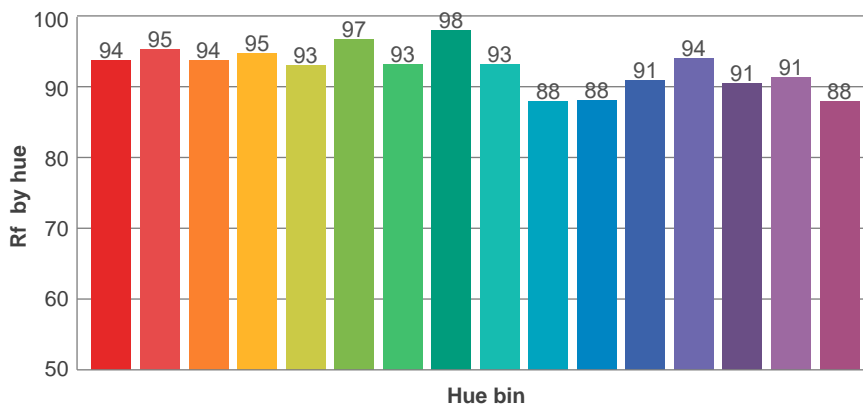
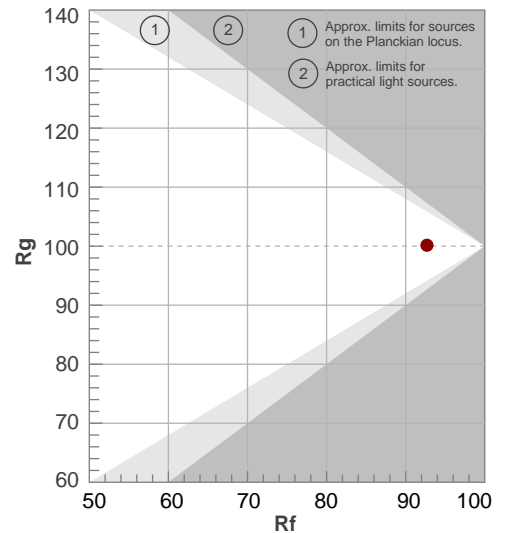
**Rf 92.7**

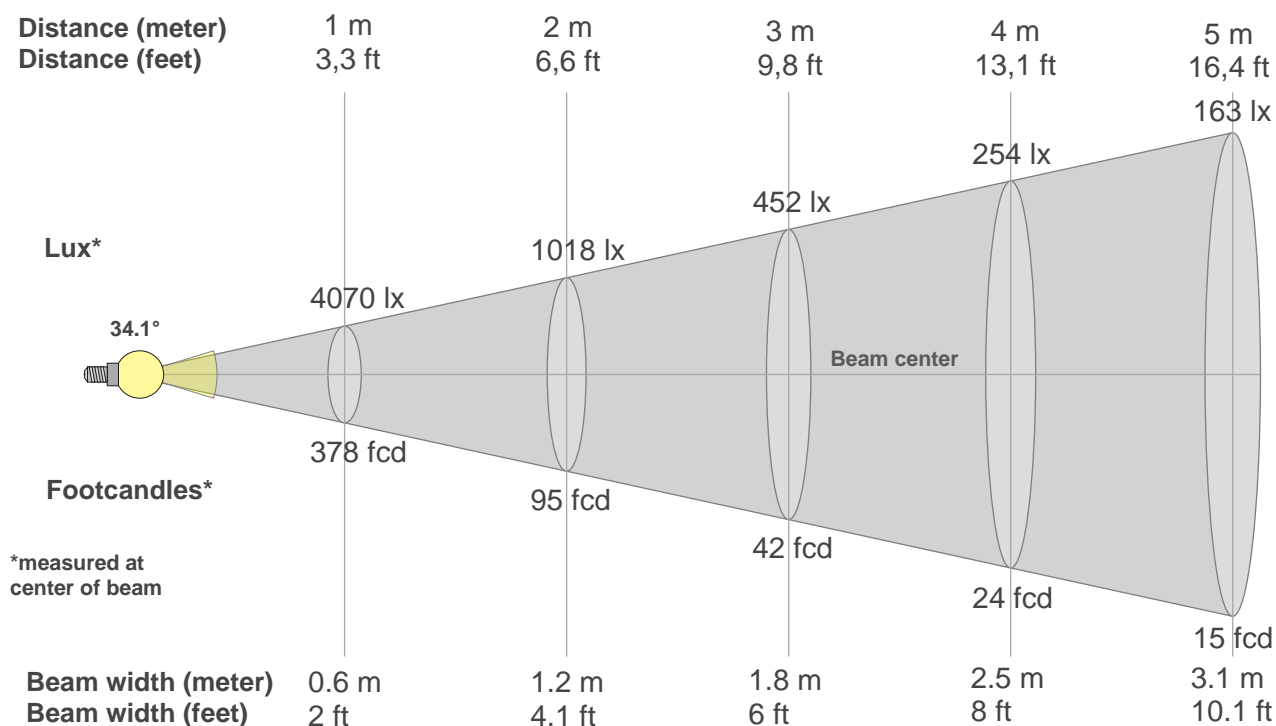
Fidelity index Rf

**Rg 100.2**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	95	-2%	1%
3	94	-1%	3%
4	95	-2%	0%
5	93	-3%	1%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	5%
10	88	0%	7%
11	88	3%	8%
12	91	6%	1%
13	94	2%	-3%
14	91	5%	-6%
15	91	0%	-4%
16	88	1%	-10%





#### 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
4070lx	1018lx	452lx	254lx	163lx	113lx	83lx	64lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
378.2fcd	94.5fcd	42fcd	23.6fcd	15.1fcd	10.5fcd	7.7fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd

#### 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°
4070	4048	3967	3799	3570	3290	2969	2617	2243	1859	1492	1161	881	659	466	304	184	106	60	36
100%	99%	97%	93%	88%	81%	73%	64%	55%	46%	37%	29%	22%	16%	11%	7%	5%	3%	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°
4070	4046	3964	3820	3609	3327	2990	2628	2248	1860	1485	1168	897	657	445	274	172	103	58	32
100%	99%	97%	94%	89%	82%	73%	65%	55%	46%	36%	29%	22%	16%	11%	7%	4%	3%	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°
4070	4038	3949	3799	3569	3270	2942	2596	2236	1867	1511	1181	896	664	481	322	201	119	70	42
100%	99%	97%	93%	88%	80%	72%	64%	55%	46%	37%	29%	22%	16%	12%	8%	5%	3%	2%	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°
4070	4037	3931	3756	3525	3251	2944	2595	2234	1870	1517	1185	894	663	481	334	214	125	78	50
100%	99%	97%	92%	87%	80%	72%	64%	55%	46%	37%	29%	22%	16%	12%	8%	5%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.1°	57.4°	68.7°	99.7%	99.2%