

Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 96.0

Color temperature:

3142 K

Output: 1246 lm

Peak: 4401 cd

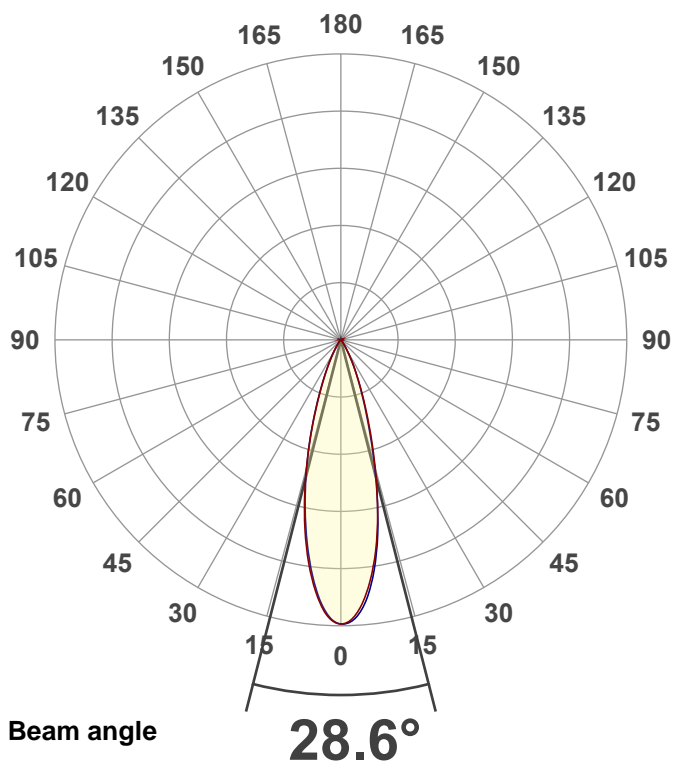
Power: 25.7 W

PF: 0.98



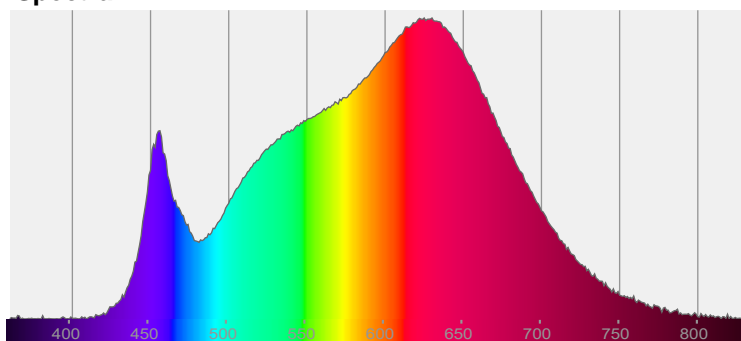
NU3-RA-WD-20LM-3018-97-30D-NA-CL-WH-WH

Date and time:
7/1/2022 11:58:44 AM

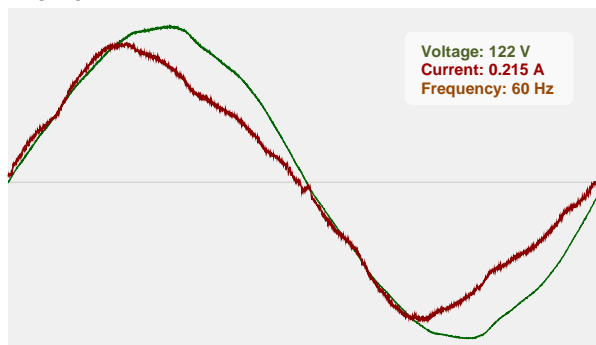


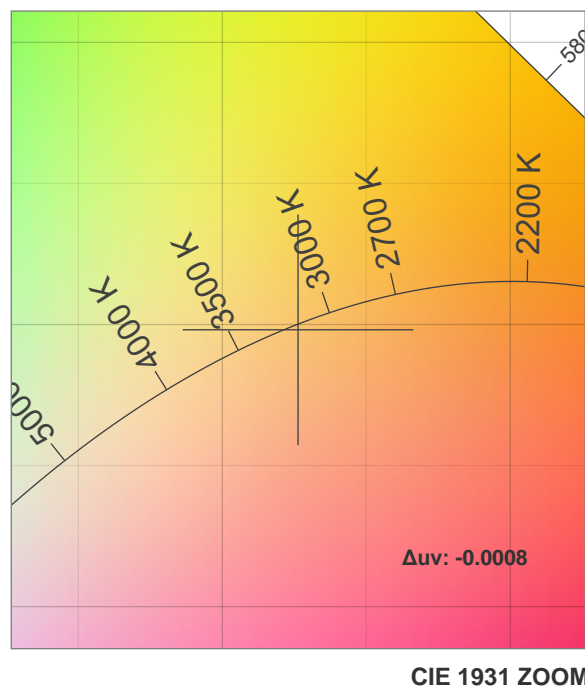
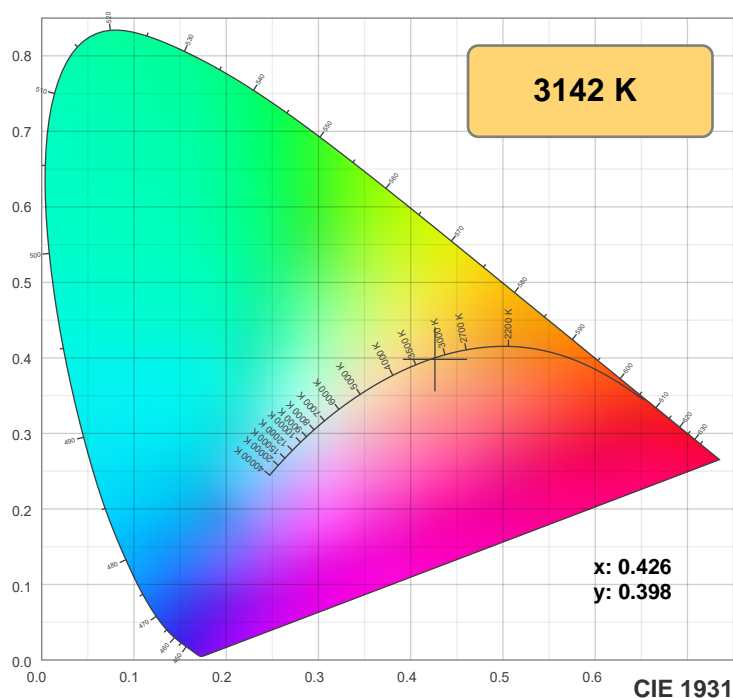
CIE 1931
x: 0.426
y: 0.398

Spectra

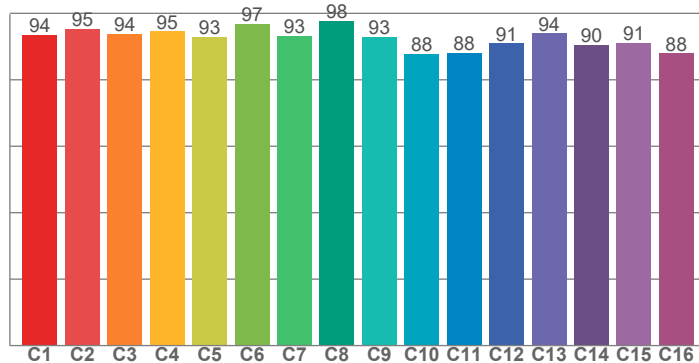


Power

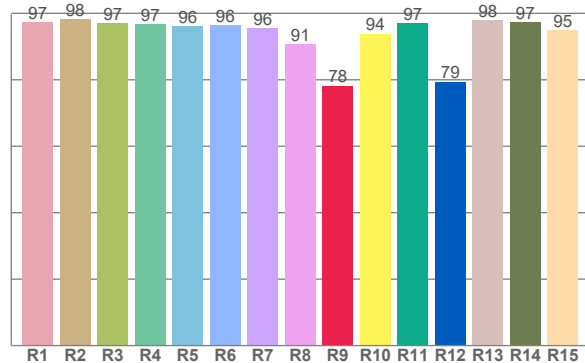




TM30: 92.6



CRI: 96.0 (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
97.3	98.2	96.9	96.7	96.2	96.4	95.5	90.6	78.2	93.9	97.0	79.4	97.9	97.4	94.9

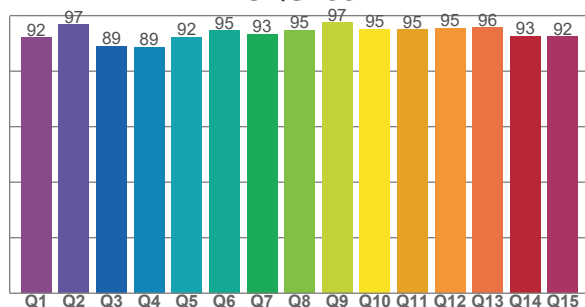
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.6	95.3	93.8	94.6	92.9	96.8	93.1	97.8	92.9	87.7	88.1	90.9	94.0	90.5	91.2	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.1	96.7	89.0	88.6	92.4	94.7	93.4	94.7	97.5	95.1	95.1	95.4	95.7	92.5	92.5

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	Δuv
3142 K	96.0	78.2	92.6	99.9	93.1	0.426	0.398	0.246	0.345	-0.0008

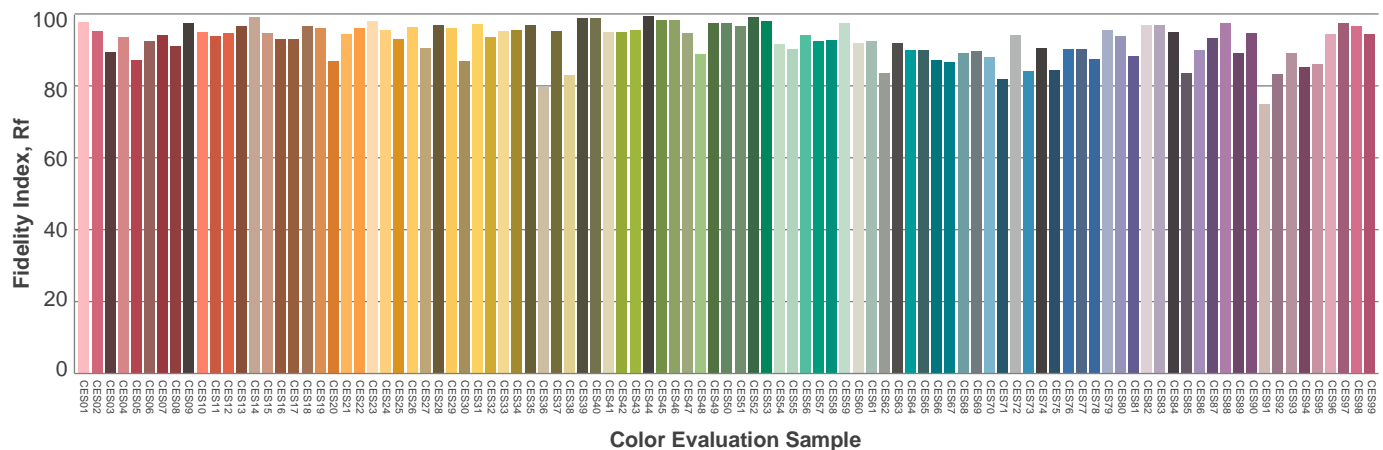
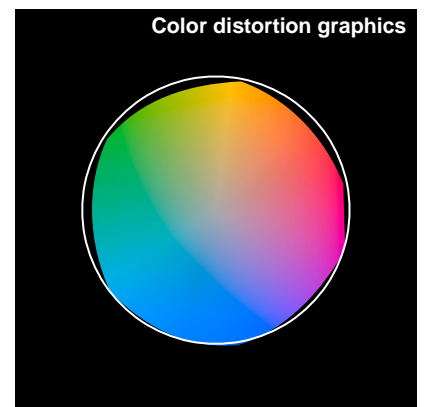
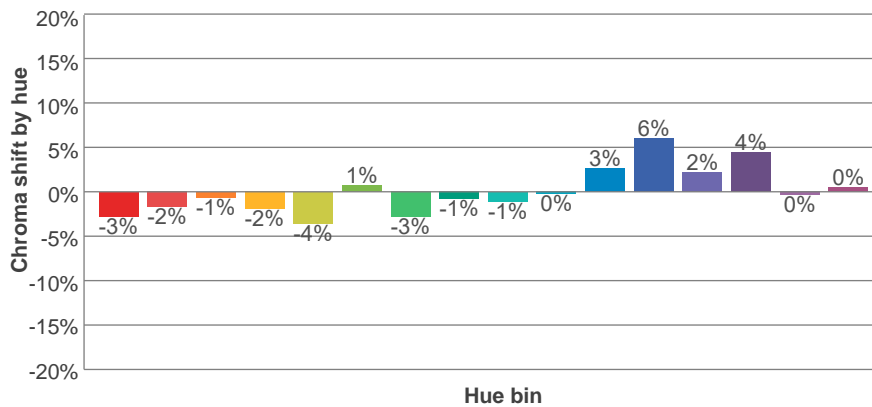
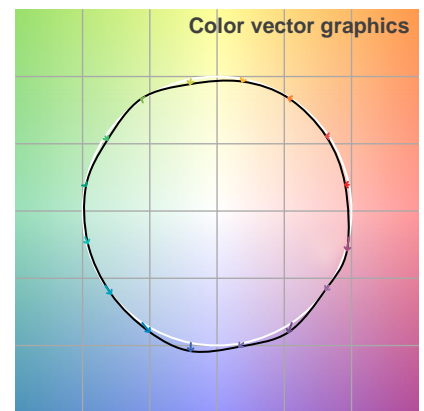
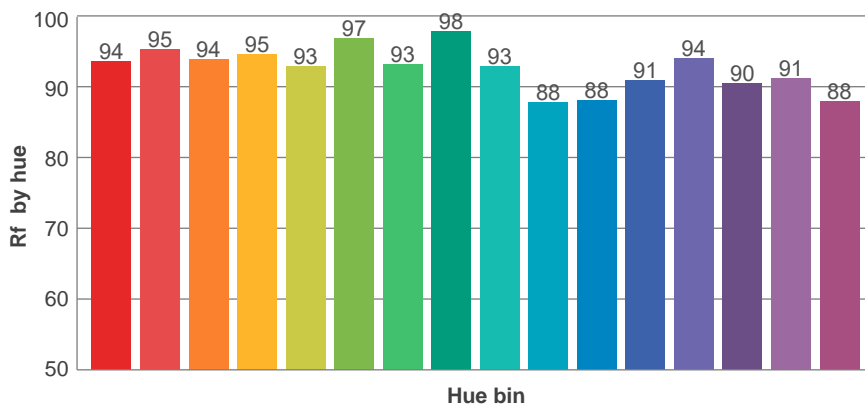
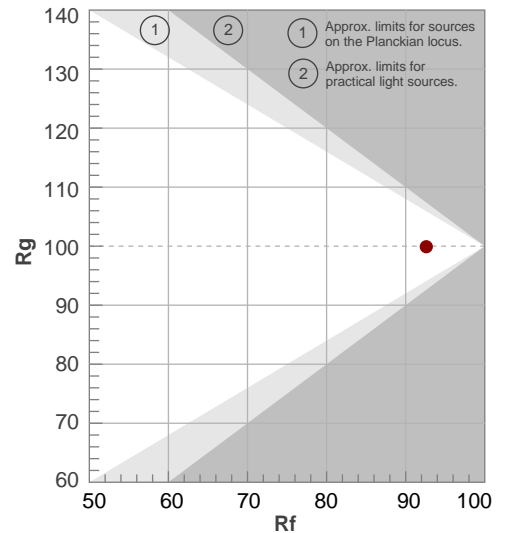
Rf 92.6

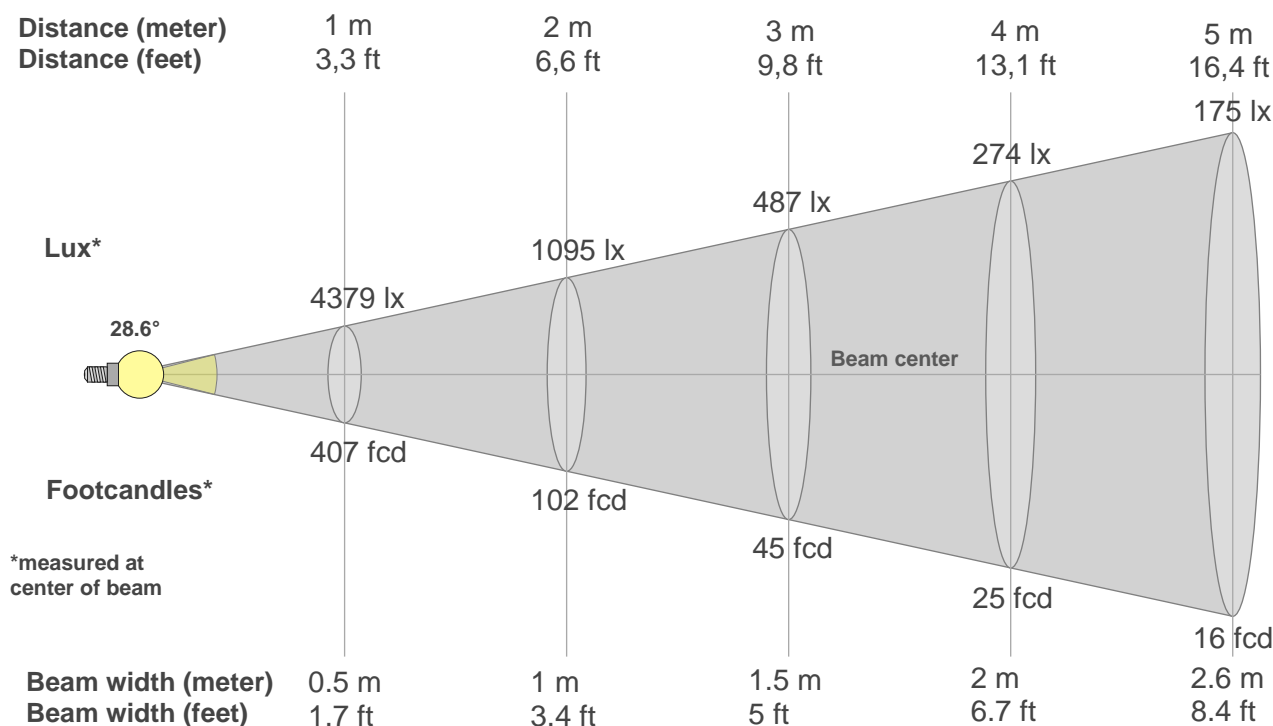
Fidelity index Rf

Rg 99.9

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	95	-2%	1%
3	94	-1%	3%
4	95	-2%	0%
5	93	-4%	1%
6	97	1%	1%
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	90	4%	-6%
15	91	0%	-4%
16	88	0%	-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
4379lx	1095lx	487lx	274lx	175lx	122lx	89lx	68lx	54lx	44lx	36lx	30lx	26lx	22lx	19lx	17lx	15lx	14lx	12lx	11lx
406.8fcd	101.7fcd	45.2fcd	25.4fcd	16.3fcd	11.3fcd	8.3fcd	6.4fcd	5fcd	4.1fcd	3.4fcd	2.8fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	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°
4379	4336	4158	3889	3558	3172	2737	2281	1847	1454	1115	839	628	457	319	209	134	89	59	40
100%	99%	95%	89%	81%	72%	63%	52%	42%	33%	25%	19%	14%	10%	7%	5%	3%	2%	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°
4379	4344	4211	3978	3638	3219	2748	2257	1787	1385	1069	817	616	455	322	220	144	92	59	40
100%	99%	96%	91%	83%	74%	63%	52%	41%	32%	24%	19%	14%	10%	7%	5%	3%	2%	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°
4379	4312	4137	3865	3524	3130	2710	2277	1847	1454	1118	843	628	467	349	254	180	124	83	58
100%	98%	94%	88%	80%	71%	62%	52%	42%	33%	26%	19%	14%	11%	8%	6%	4%	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°
4379	4314	4110	3810	3456	3067	2659	2249	1852	1478	1139	850	638	464	326	223	152	108	76	54
100%	99%	94%	87%	79%	70%	61%	51%	42%	34%	26%	19%	15%	11%	7%	5%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28.6°	52.6°	67.3°	99.6%	98.9%