

Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 96.0

Color temperature:

3138 K

Output: 1234 lm

Peak: 3593 cd

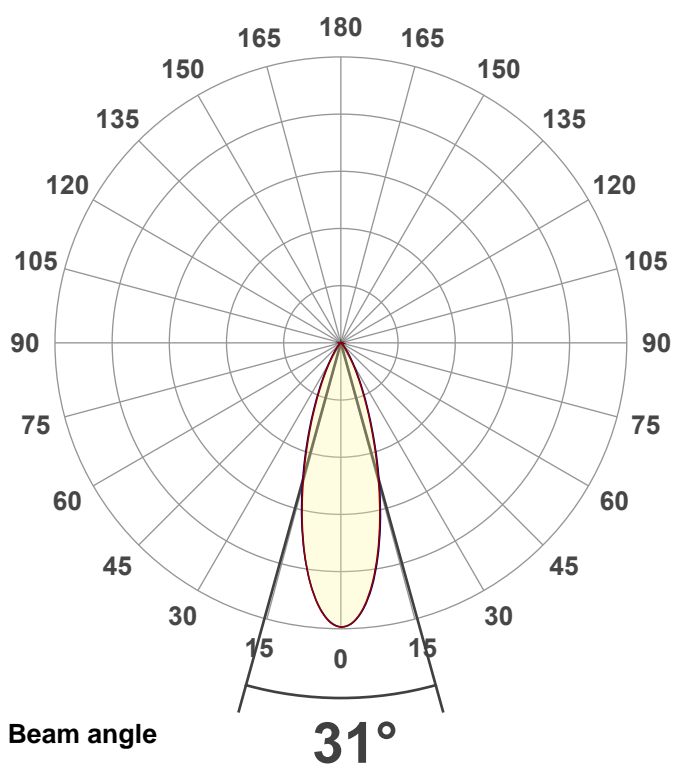
Power: 25.6 W

PF: 0.97



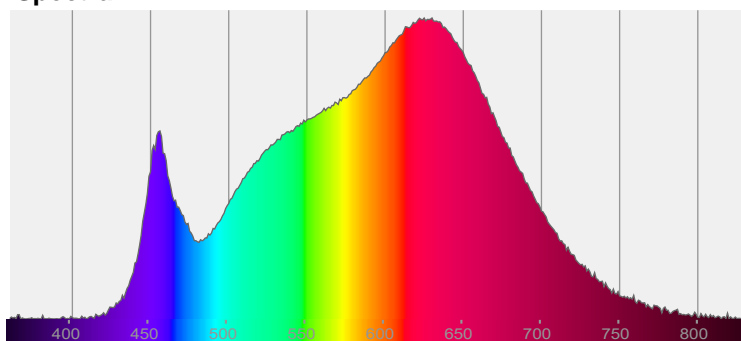
NU3-RA-WD-20LM-3018-97-30D-NA-HET-WH-WH

Date and time:  
7/1/2022 11:30:45 AM

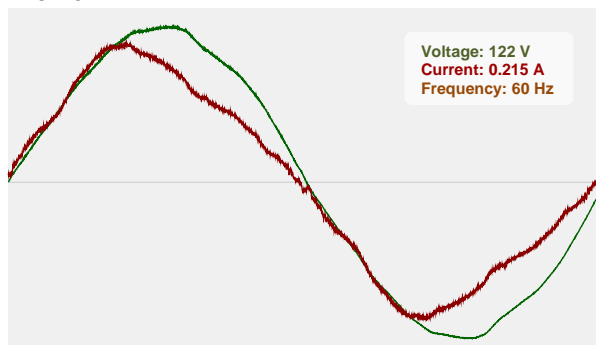


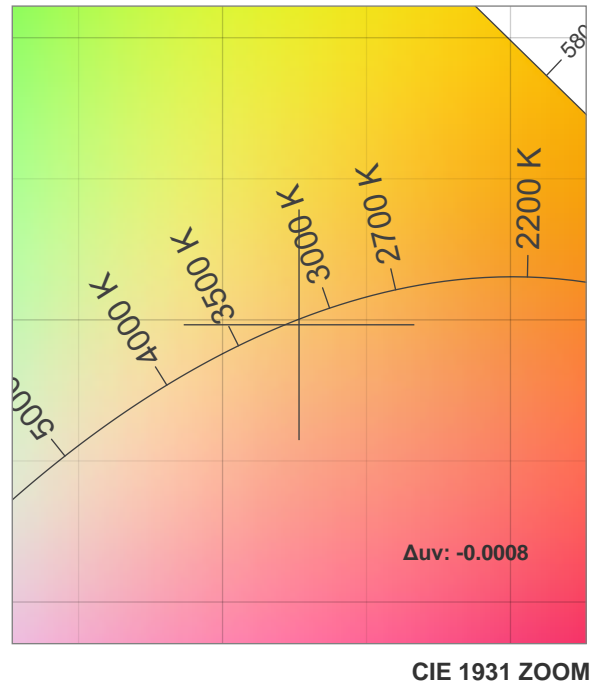
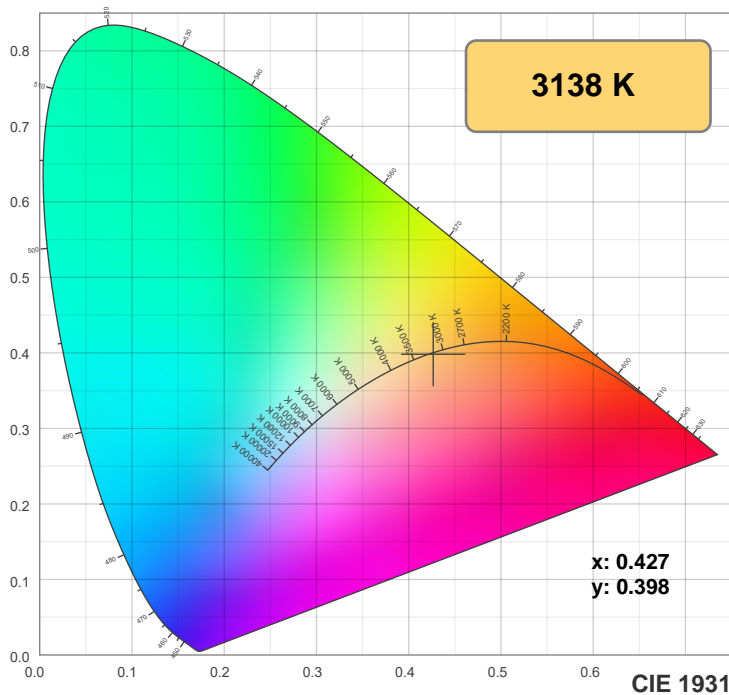
CIE 1931  
x: 0.427  
y: 0.398

Spectra

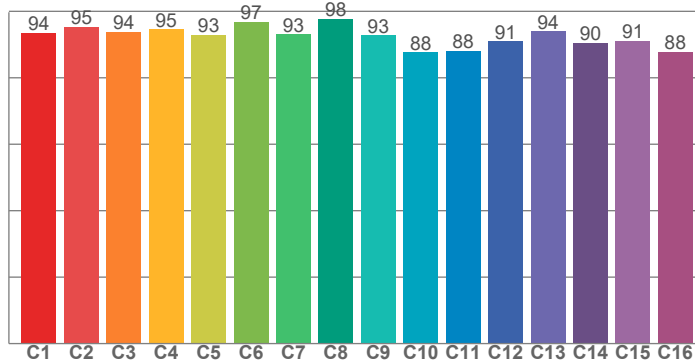


Power

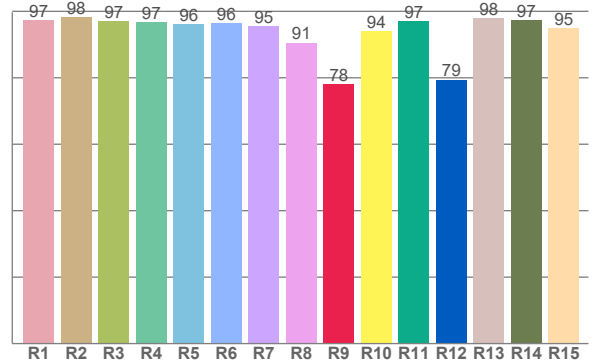




TM30: 92.6



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
97.2	98.3	97.0	96.7	96.1	96.4	95.5	90.5	78.0	93.9	97.0	79.4	97.9	97.4	94.8

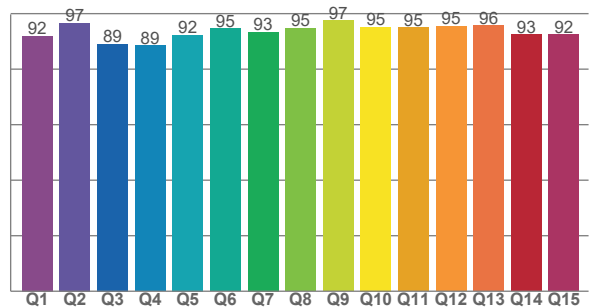
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.5	95.2	93.9	94.5	92.9	96.9	93.1	97.7	92.8	87.6	88.0	90.9	94.0	90.5	91.1	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.0	96.7	89.0	88.6	92.3	94.6	93.4	94.7	97.5	95.2	95.0	95.4	95.7	92.5	92.4

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
3138 K	96.0	78.0	92.6	99.9	93.1	0.427	0.398	0.246	0.345	-0.0008

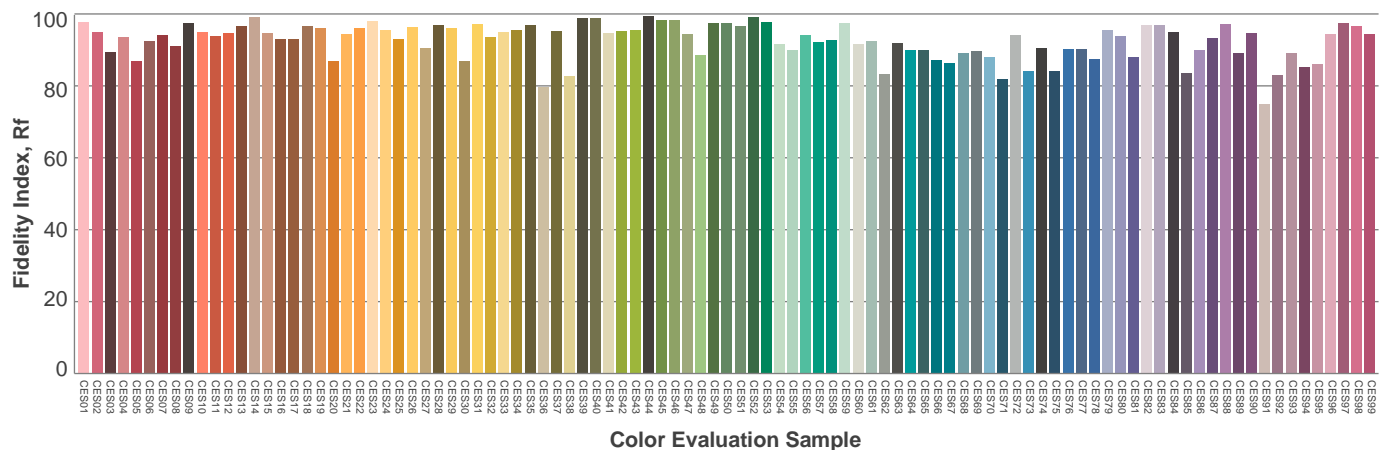
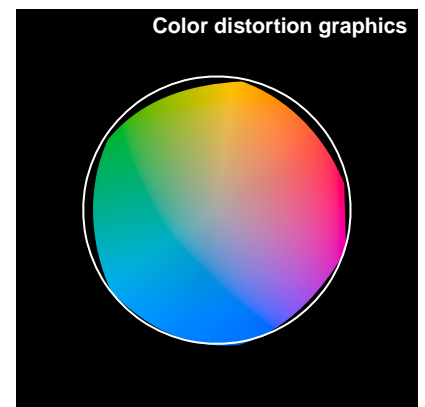
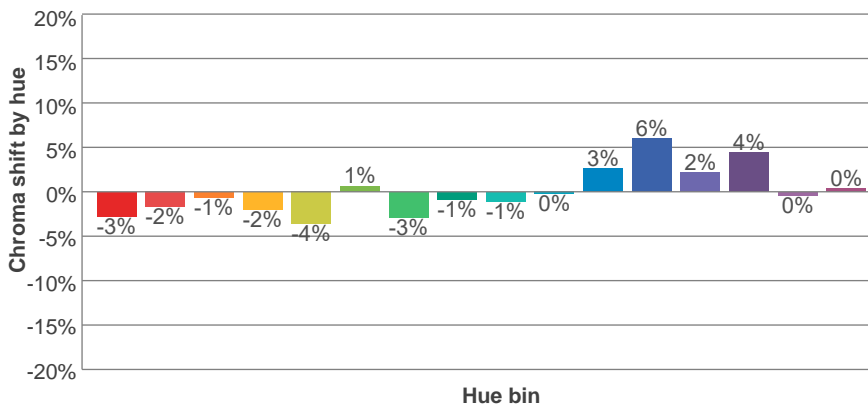
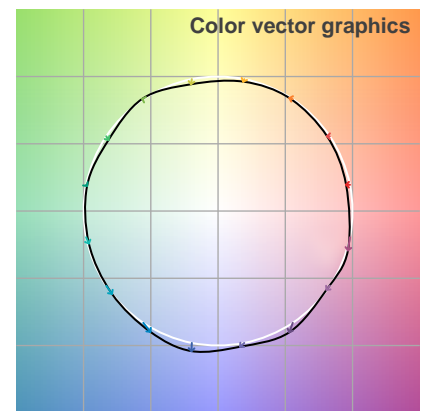
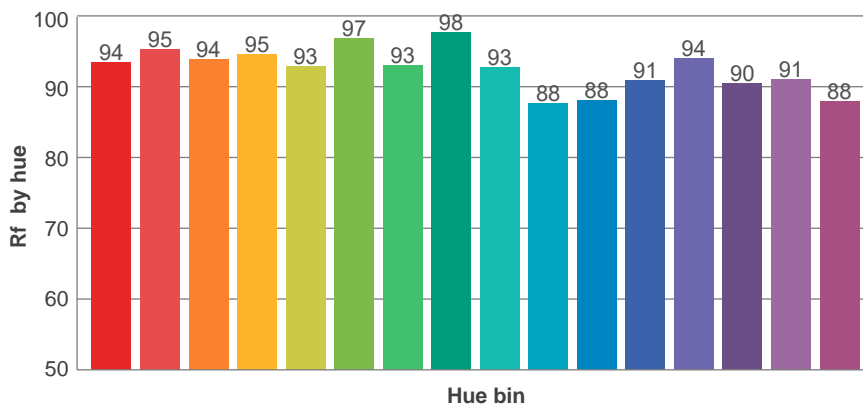
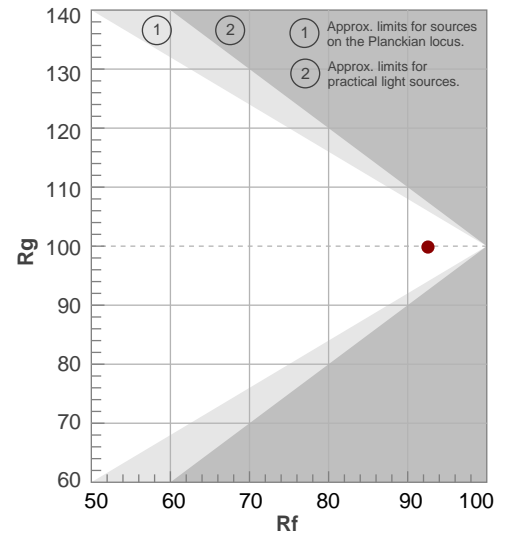
**Rf 92.6**

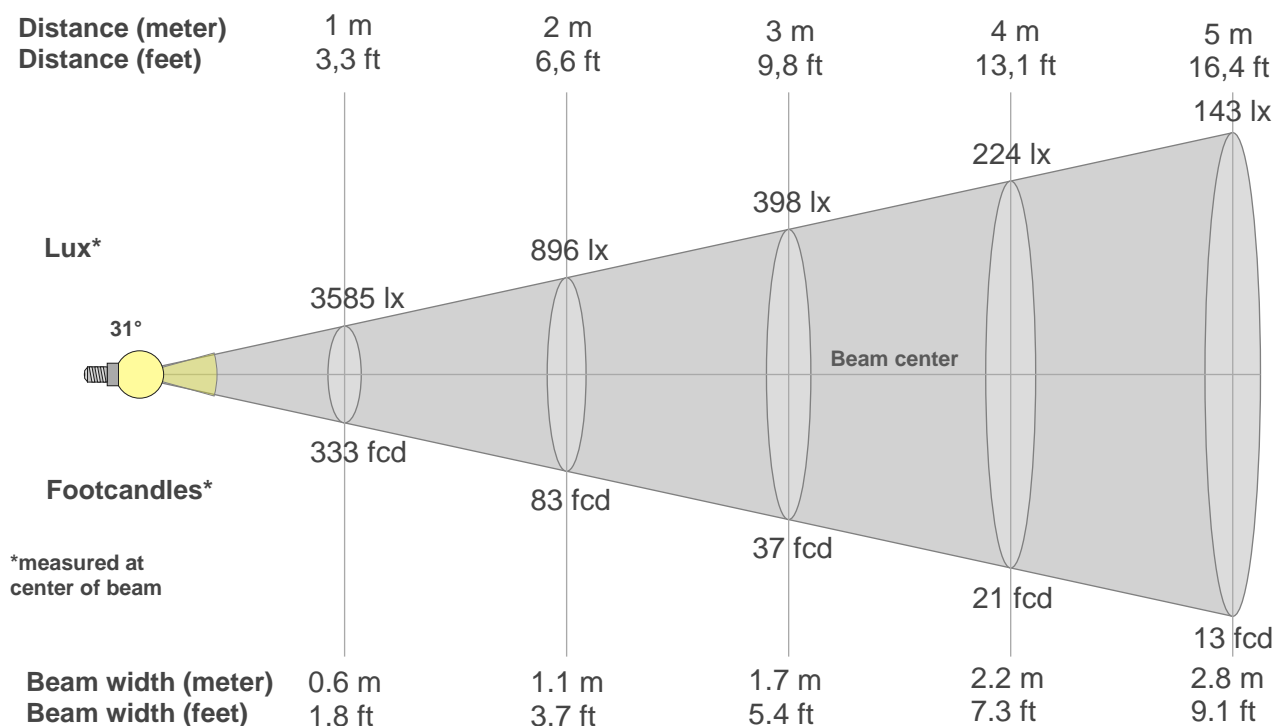
Fidelity index Rf

**Rg 99.9**

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	-4%	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%	-4%
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
3585lx	896lx	398lx	224lx	143lx	100lx	73lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
333fcd	83.3fcd	37fcd	20.8fcd	13.3fcd	9.3fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

#### 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°
3585	3541	3421	3231	2982	2686	2356	2020	1693	1386	1109	877	687	528	399	296	216	158	115	84
100%	99%	95%	90%	83%	75%	66%	56%	47%	39%	31%	24%	19%	15%	11%	8%	6%	4%	3%	2%

#### 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°
3585	3548	3429	3245	3001	2710	2389	2055	1730	1426	1149	911	721	563	434	329	246	184	137	101
100%	99%	96%	91%	84%	76%	67%	57%	48%	40%	32%	25%	20%	16%	12%	9%	7%	5%	4%	3%

#### 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°
3585	3535	3401	3203	2953	2664	2344	2014	1694	1394	1121	880	684	525	395	292	211	153	112	82
100%	99%	95%	89%	82%	74%	65%	56%	47%	39%	31%	25%	19%	15%	11%	8%	6%	4%	3%	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°
3585	3525	3393	3199	2955	2673	2364	2046	1732	1435	1162	923	726	562	426	317	233	173	127	93
100%	98%	95%	89%	82%	75%	66%	57%	48%	40%	32%	26%	20%	16%	12%	9%	7%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31°	57.9°	75.9°	99.4%	98.0%