

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

3032 K

Output: 2893 lm

Peak: 8286 cd

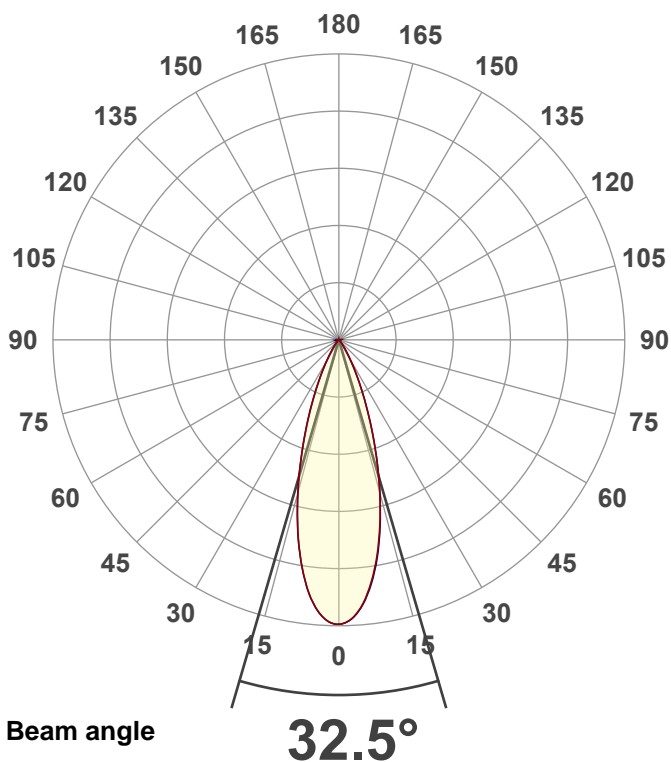
Power: 38.6 W

PF: 0.98



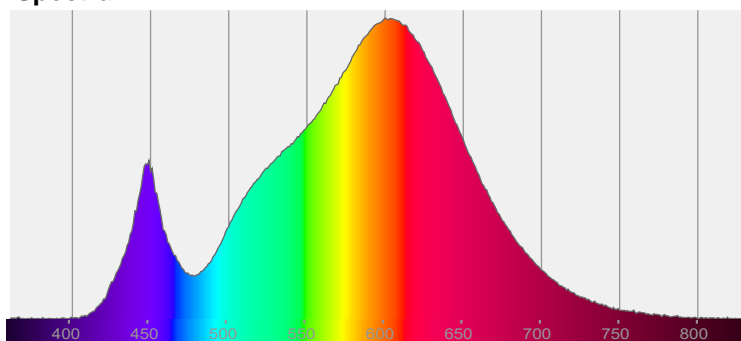
NU3-RA-SW-40LM-30K-80-35D-HETA-NL-WH

Date and time:  
5/19/2022 9:34:07 AM

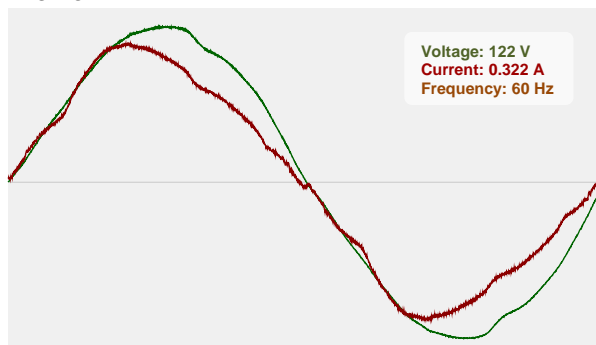


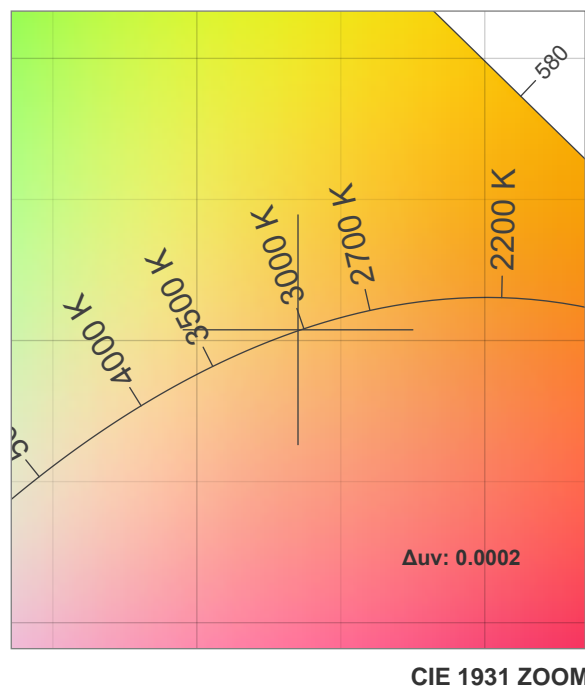
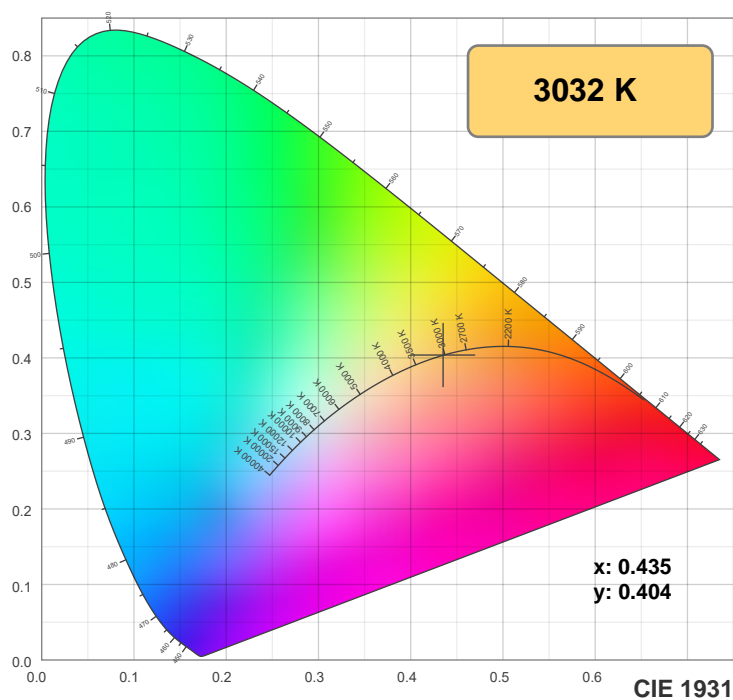
CIE 1931  
x: 0.435  
y: 0.404

Spectra

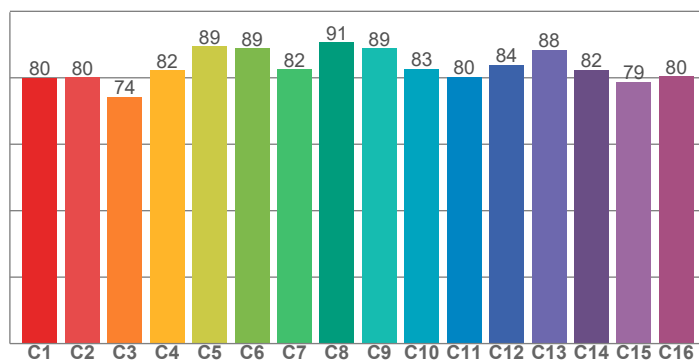


Power

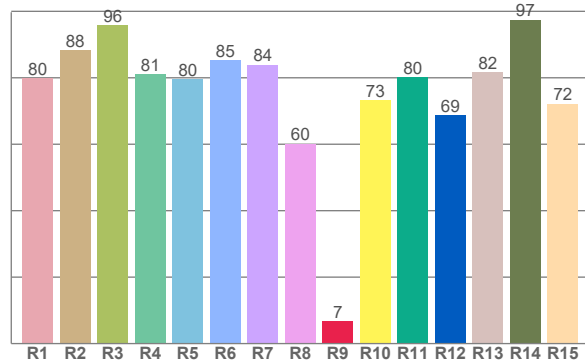




TM30: 83.3



CRI: 81.7 (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
79.9	88.4	95.7	81.0	79.6	85.3	83.9	60.2	6.7	73.2	80.1	68.8	81.6	97.5	72.2

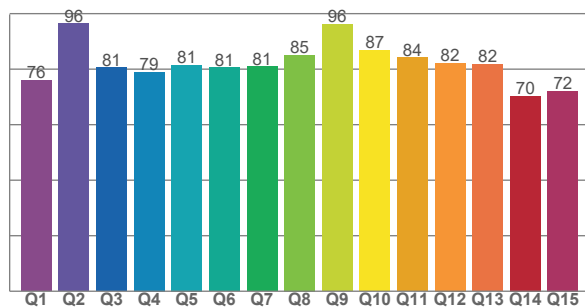
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.0	80.1	74.3	82.3	89.5	88.9	82.5	90.7	88.9	82.7	80.3	83.9	88.4	82.3	78.8	80.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.0	96.5	80.5	78.9	81.4	80.5	81.0	85.1	96.1	86.8	84.1	82.3	81.8	70.3	72.1

CQS: 80.8



## 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	$\Delta uv$
3032 K	81.7	6.7	83.3	97.9	80.8	0.435	0.404	0.250	0.347	0.0002

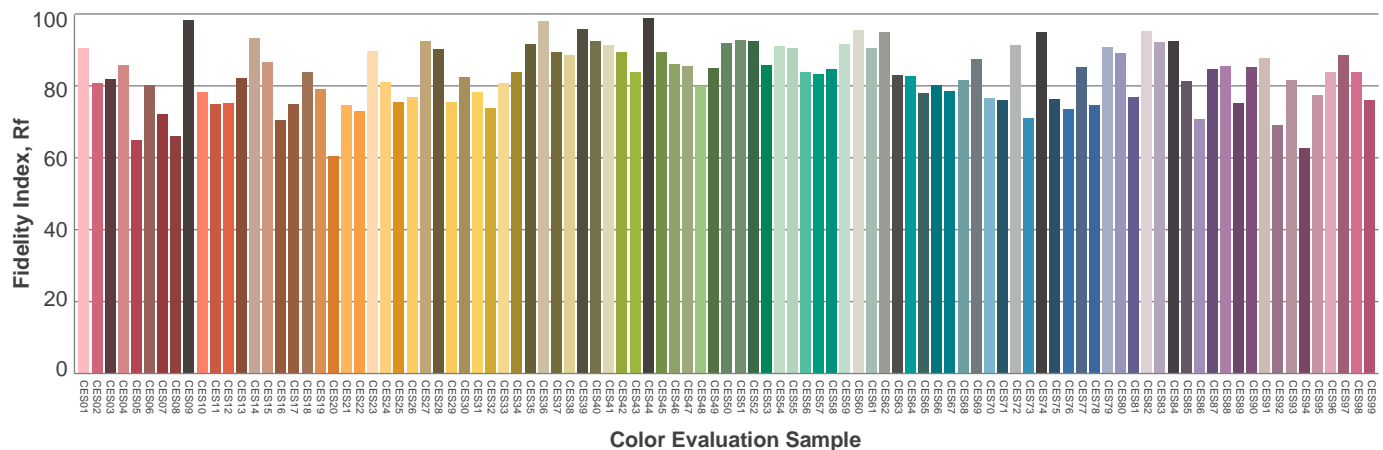
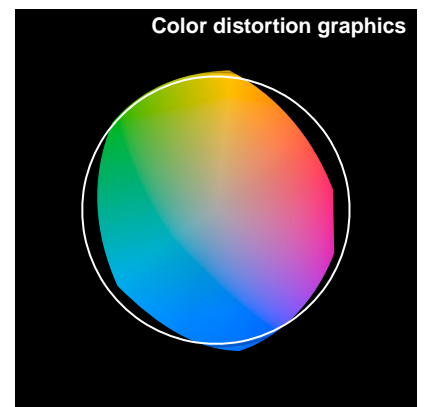
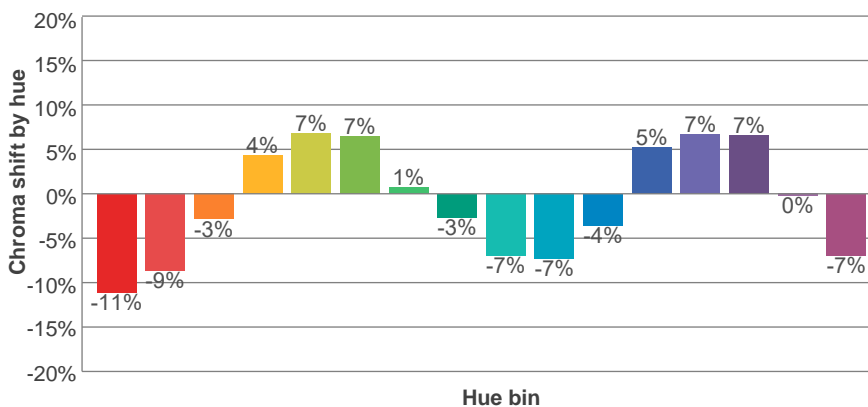
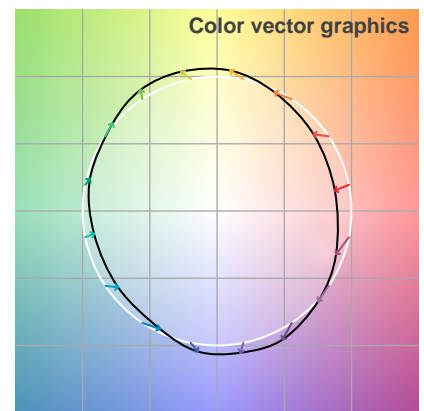
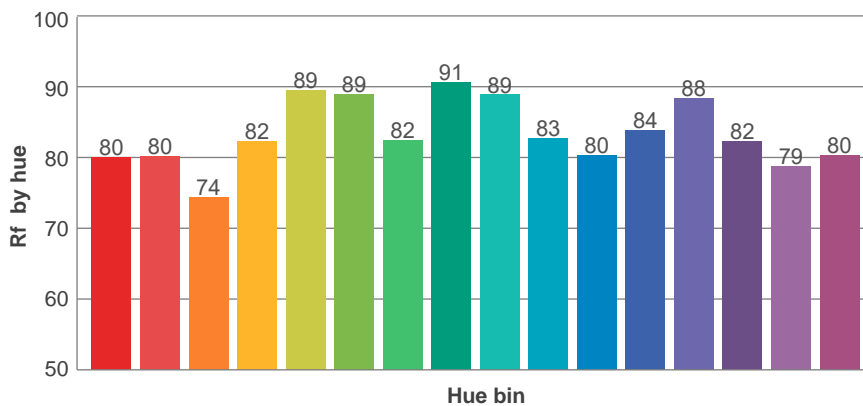
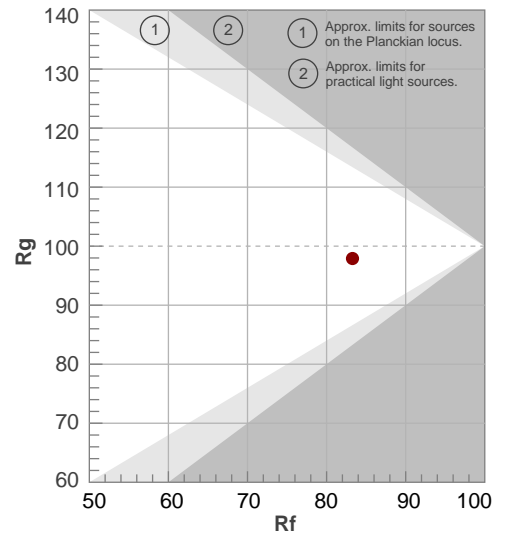
**Rf 83.3**

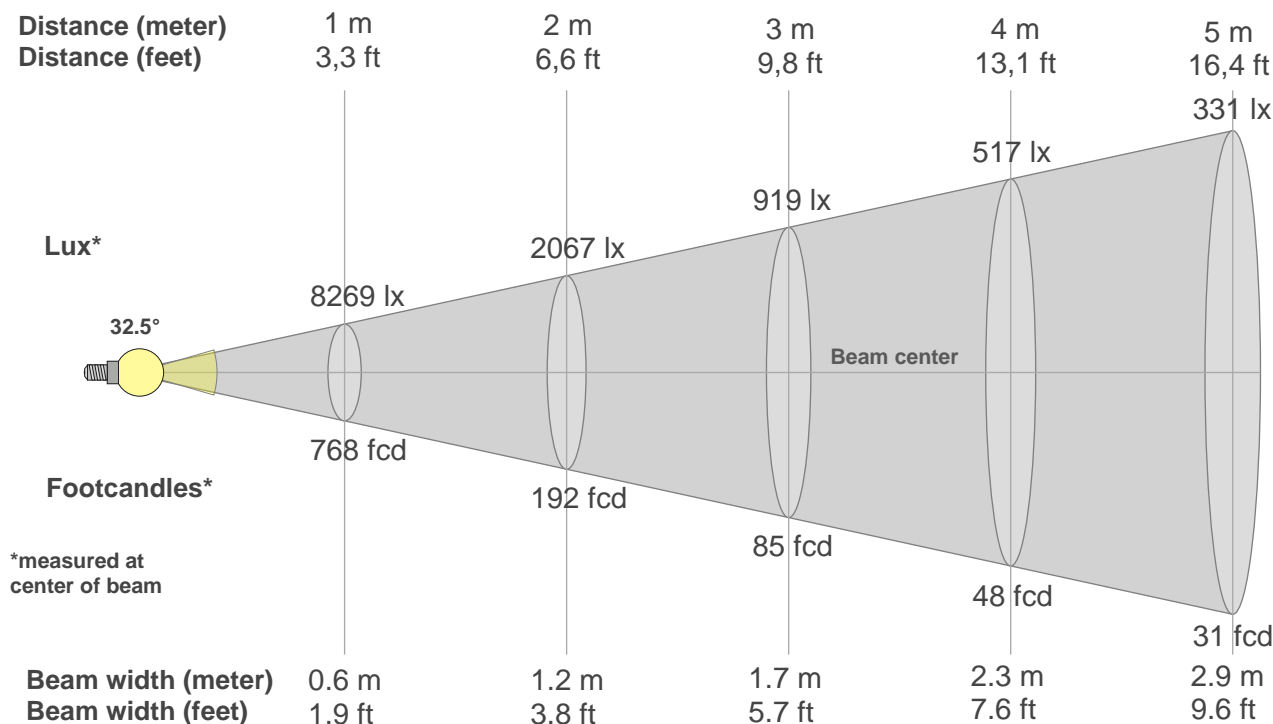
Fidelity index Rf

**Rg 97.9**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	82	4%	11%
5	89	7%	6%
6	89	7%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	83	-7%	6%
11	80	-4%	13%
12	84	5%	6%
13	88	7%	-4%
14	82	7%	-13%
15	79	0%	-14%
16	80	-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
8269lx	2067lx	919lx	517lx	331lx	230lx	169lx	129lx	102lx	83lx	68lx	57lx	49lx	42lx	37lx	32lx	29lx	26lx	23lx	21lx
768.2fcd	192fcd	85.4fcd	48fcd	30.7fcd	21.3fcd	15.7fcd	12fcd	9.5fcd	7.7fcd	6.3fcd	5.3fcd	4.5fcd	3.9fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd

#### 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°
8269	8167	7916	7521	6999	6389	5691	4973	4242	3524	2849	2233	1725	1308	967	696	489	336	238	165
100%	99%	96%	91%	85%	77%	69%	60%	51%	43%	34%	27%	21%	16%	12%	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°
8269	8173	7931	7549	7044	6440	5731	4988	4239	3512	2831	2216	1714	1280	922	637	424	278	188	126
100%	99%	96%	91%	85%	78%	69%	60%	51%	42%	34%	27%	21%	15%	11%	8%	5%	3%	2%	2%

#### 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°
8269	8223	7979	7587	7060	6431	5735	4991	4243	3525	2871	2286	1775	1351	1003	729	512	351	239	160
100%	99%	97%	92%	85%	78%	69%	60%	51%	43%	35%	28%	21%	16%	12%	9%	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°
8269	8216	7981	7592	7065	6436	5739	4984	4239	3505	2836	2241	1723	1293	962	699	497	346	236	160
100%	99%	97%	92%	85%	78%	69%	60%	51%	42%	34%	27%	21%	16%	12%	8%	6%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.5°	57.9°	72.9°	99.8%	99.1%