

Light efficiency:

67 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

3020 K

Output: 2578 lm

Peak: 3252 cd

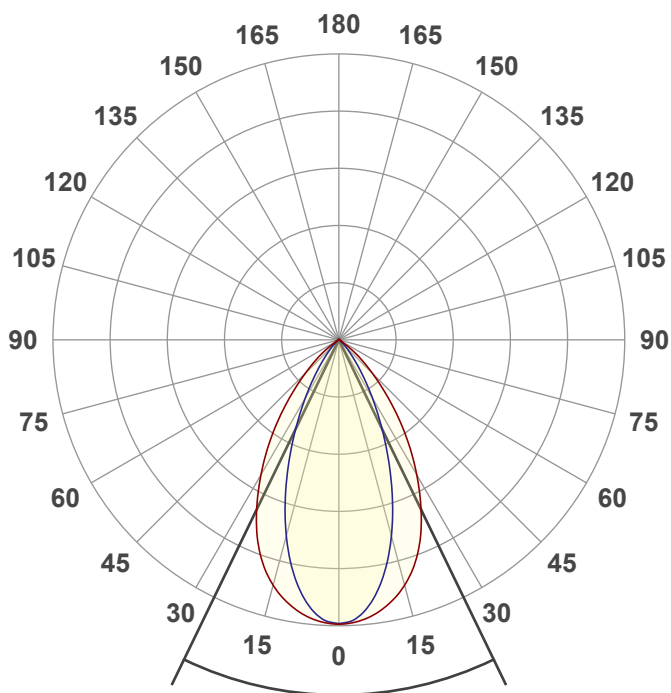
Power: 38.5 W

PF: 0.98



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

Date and time:  
6/14/2022 3:41:10 PM



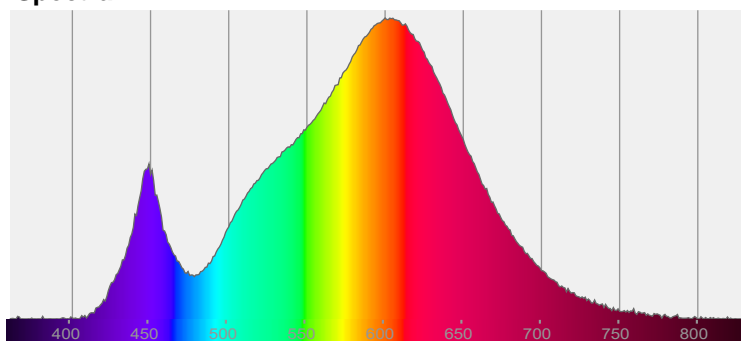
Beam angle

51.7°

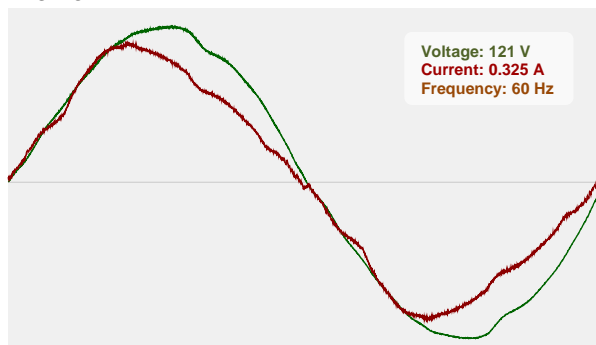


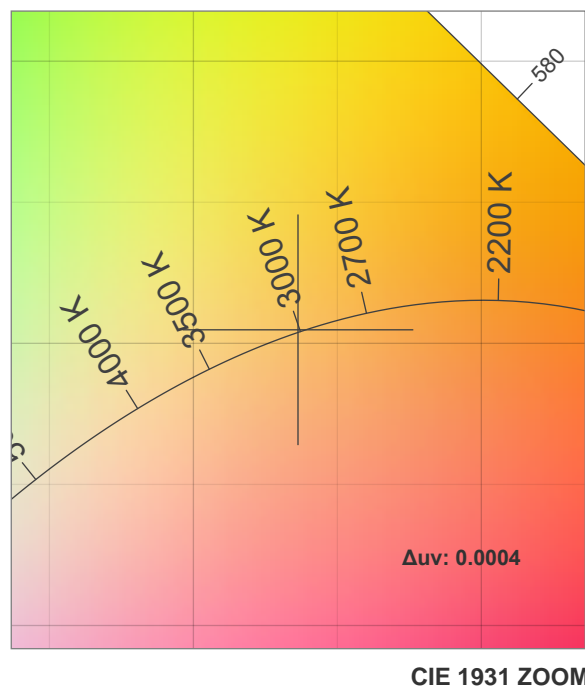
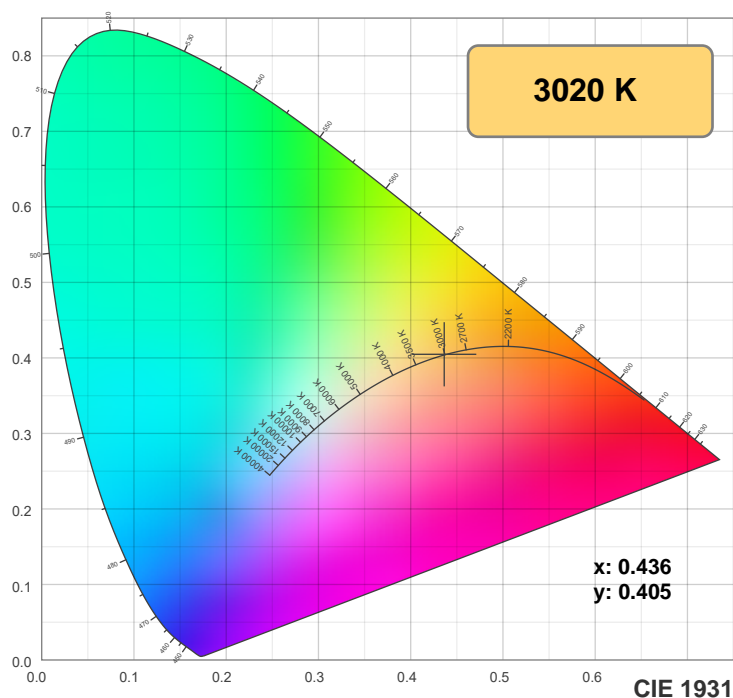
CIE 1931  
x: 0.436  
y: 0.405

Spectra

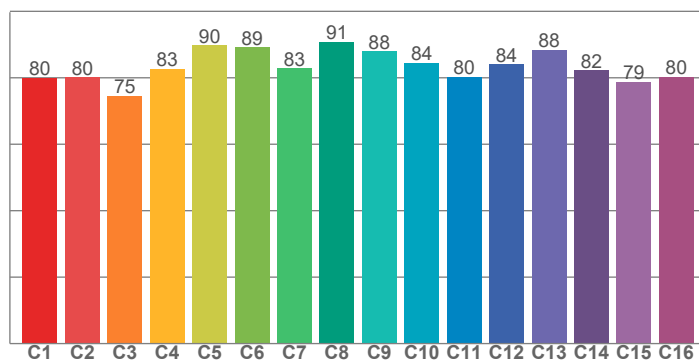


Power

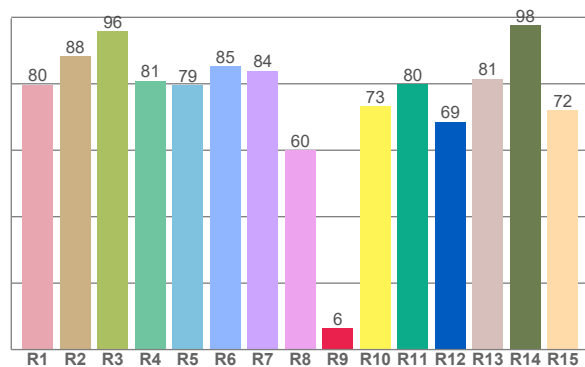




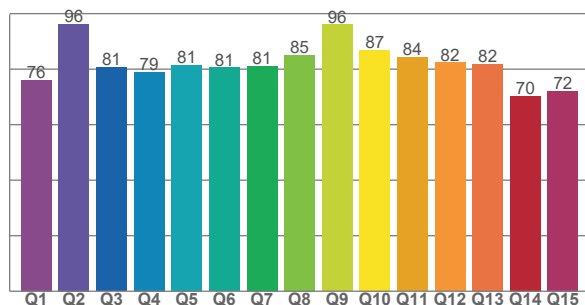
TM30: 83.4



CRI: 81.7 (R1-R8)



CQS: 80.8



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
79.8	88.3	95.8	80.9	79.5	85.3	83.9	60.0	6.3	73.2	79.9	68.6	81.5	97.5	72.1

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	74.5	82.7	89.7	89.2	82.8	90.8	88.0	84.5	80.3	84.0	88.4	82.2	78.8	80.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.0	96.3	80.7	78.9	81.4	80.6	81.1	85.2	96.1	86.9	84.3	82.4	81.8	70.2	72.1

## 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	$\Delta uv$
3020 K	81.7	6.3	83.4	97.7	80.8	0.436	0.405	0.250	0.348	0.0004

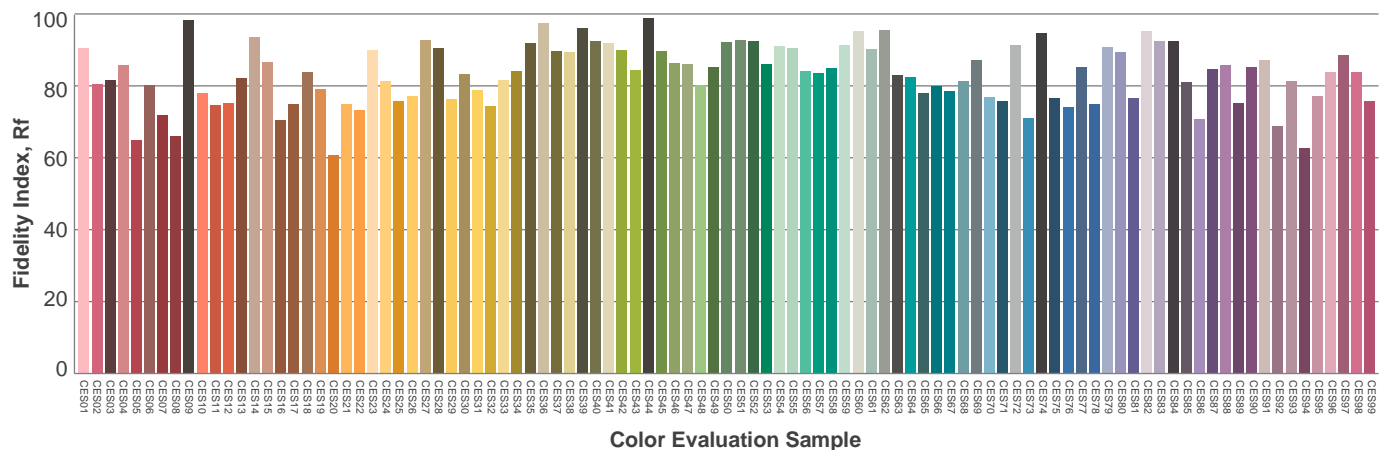
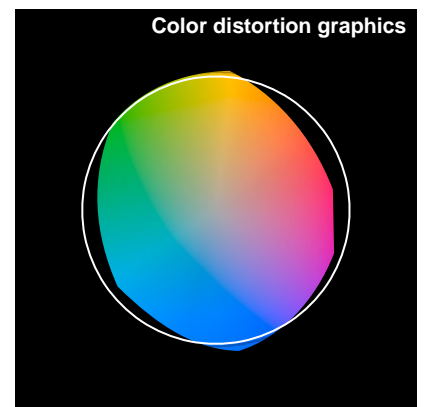
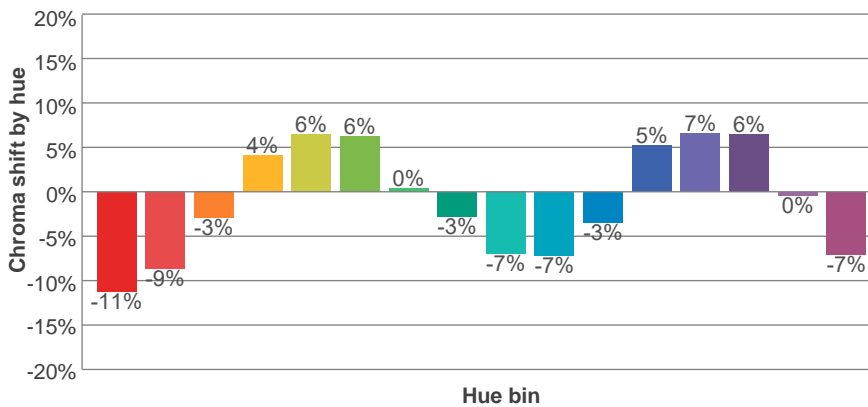
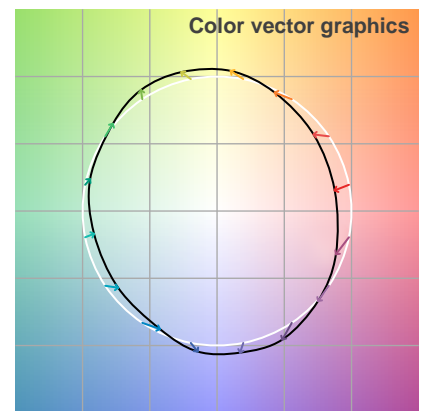
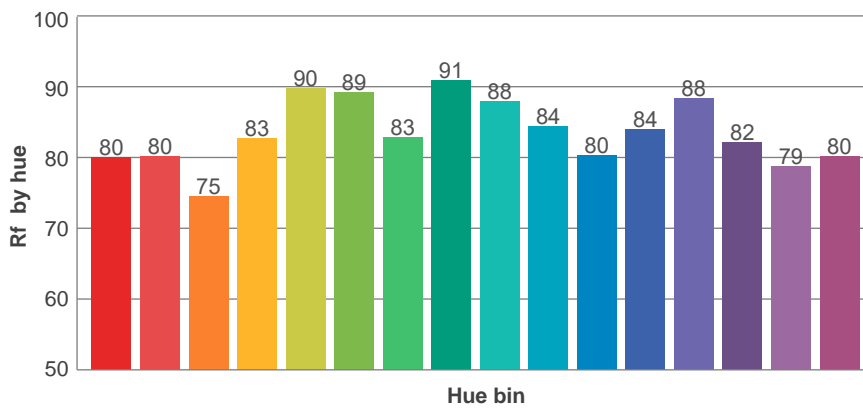
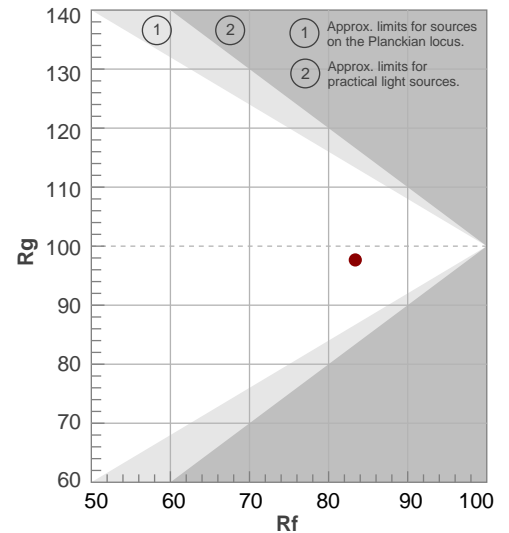
**Rf 83.4**

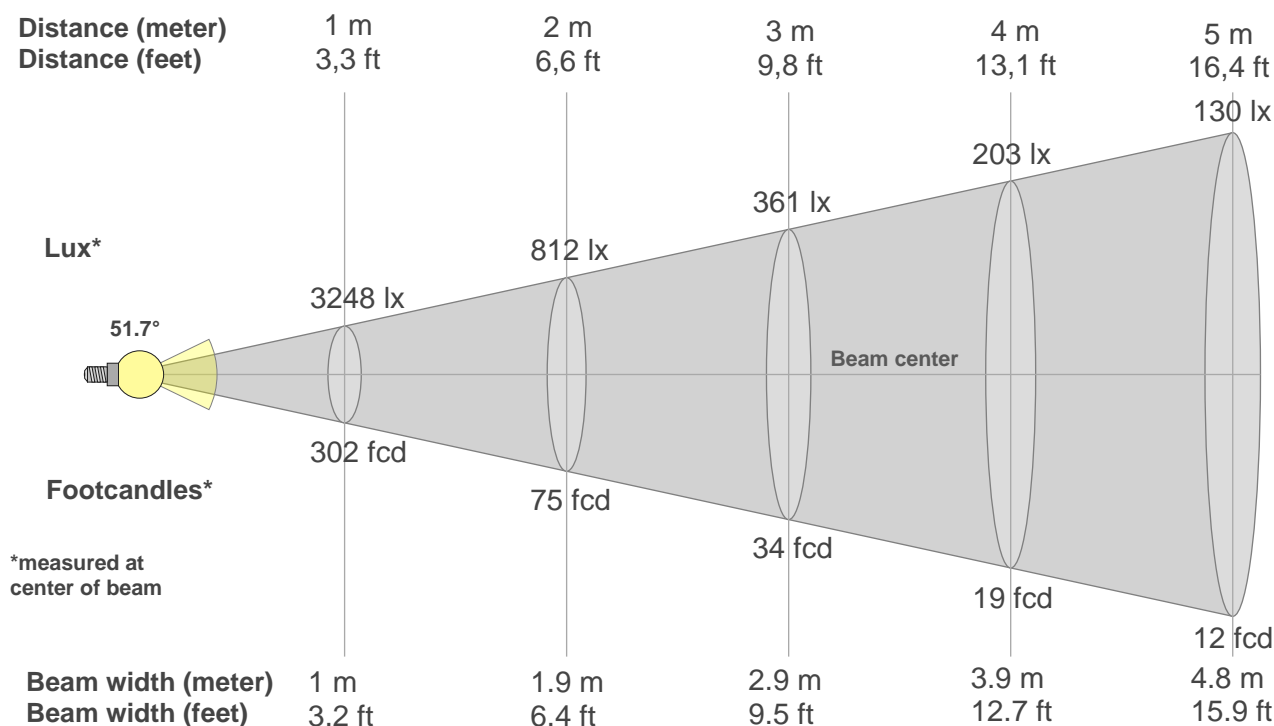
Fidelity index Rf

**Rg 97.7**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	7%
3	75	-3%	13%
4	83	4%	10%
5	90	6%	6%
6	89	6%	-3%
7	83	0%	-11%
8	91	-3%	-5%
9	88	-7%	-1%
10	84	-7%	7%
11	80	-3%	13%
12	84	5%	6%
13	88	7%	-4%
14	82	6%	-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
3248lx	812lx	361lx	203lx	130lx	90lx	66lx	51lx	40lx	32lx	27lx	23lx	19lx	17lx	14lx	13lx	11lx	10lx	9lx	8lx
301.8fcd	75.4fcd	33.5fcd	18.9fcd	12.1fcd	8.4fcd	6.2fcd	4.7fcd	3.7fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	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°
3248	3245	3226	3197	3152	3096	3028	2949	2855	2748	2621	2477	2316	2143	1964	1782	1602	1422	1244	1071
100%	100%	99%	98%	97%	95%	93%	91%	88%	85%	81%	76%	71%	66%	60%	55%	49%	44%	38%	33%

#### 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°
3248	3225	3172	3081	2958	2806	2626	2426	2213	1990	1763	1538	1322	1121	936	769	619	487	376	287
100%	99%	98%	95%	91%	86%	81%	75%	68%	61%	54%	47%	41%	35%	29%	24%	19%	15%	12%	9%

#### 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°
3248	3245	3226	3197	3152	3096	3028	2949	2855	2748	2621	2477	2316	2143	1964	1782	1602	1422	1244	1071
100%	100%	99%	98%	97%	95%	93%	91%	88%	85%	81%	76%	71%	66%	60%	55%	49%	44%	38%	33%

#### 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°
3248	3225	3172	3081	2958	2806	2626	2426	2213	1990	1763	1538	1322	1121	936	769	619	487	376	287
100%	99%	98%	95%	91%	86%	81%	75%	68%	61%	54%	47%	41%	35%	29%	24%	19%	15%	12%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
51.7°	85.8°	102.1°	99.6%	94.7%