

Light efficiency:

82 Lumen/Watt

Light quality:

CRI: 80.9

Color temperature:

3053 K

Output: 2719 lm

Peak: 3624 cd

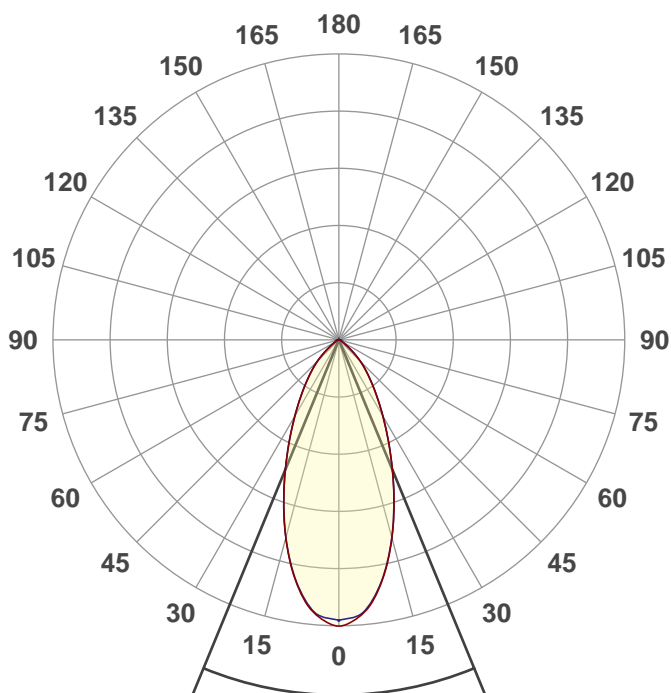
Power: 33.3 W

PF: 0.98



**NU3-RD-SW-35LM-30K-80-45D-120-DIM10-NC-WH-WH**

Date and time:  
11/9/2020 9:59:09 AM



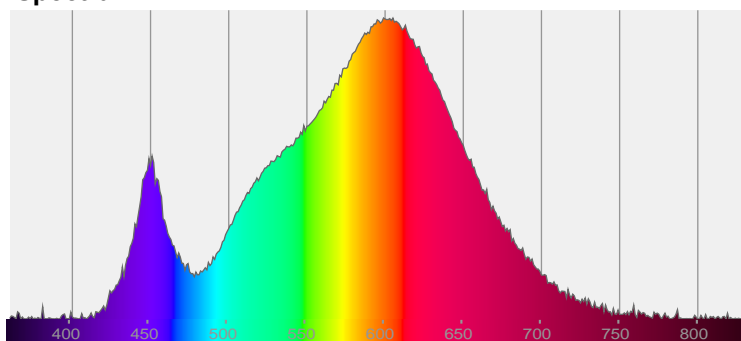
Beam angle

44.8°

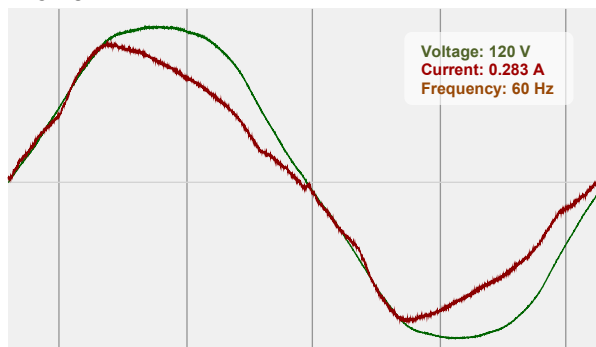


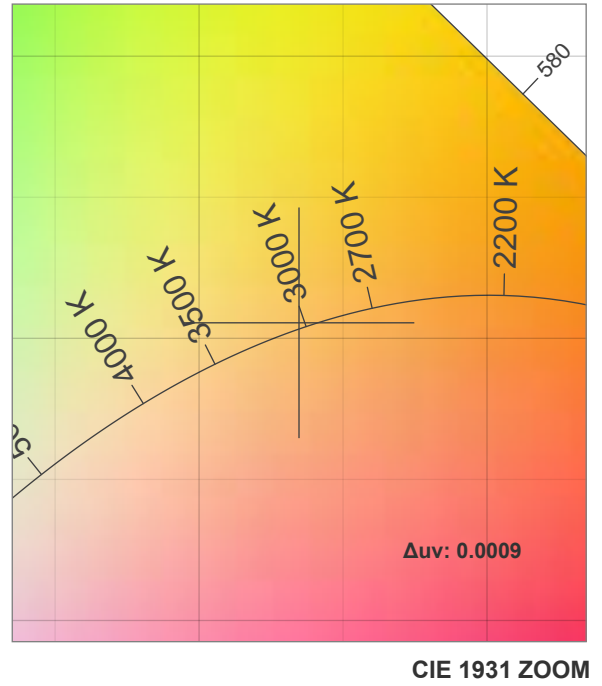
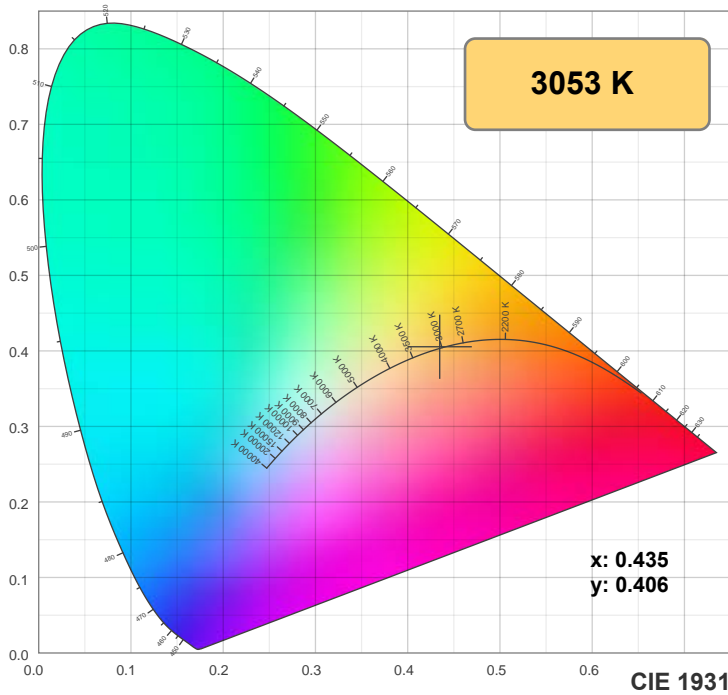
CIE 1931  
x: 0.435  
y: 0.406

Spectra

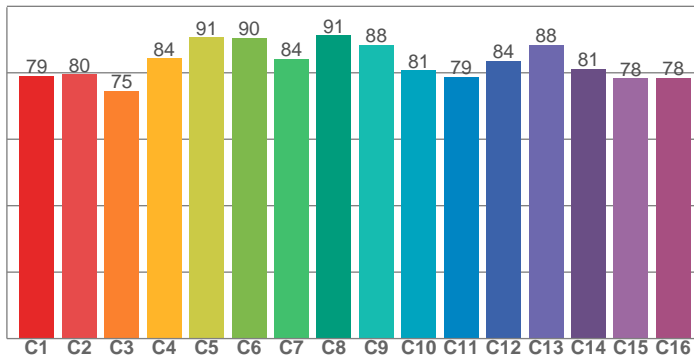


Power

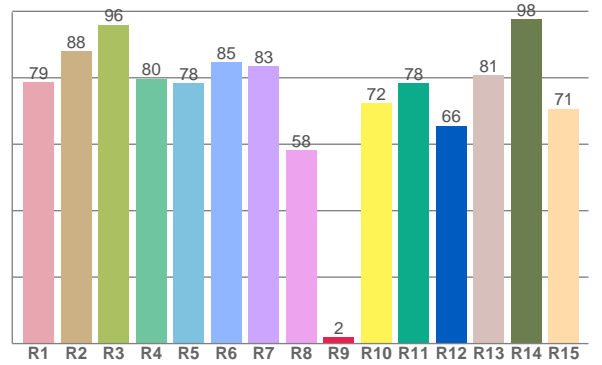




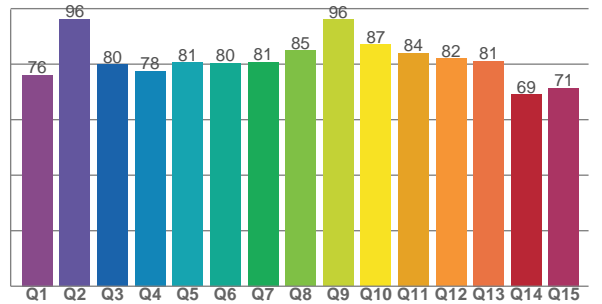
TM30: 83.2



CRI: 80.9 (R1-R8)



CQS: 80.3



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
78.7	88.0	96.0	79.7	78.4	84.6	83.4	58.3	2.0	72.4	78.4	65.6	80.7	97.7	70.7

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
79.1	79.6	74.6	84.3	90.7	90.5	84.2	91.3	88.5	80.8	78.8	83.6	88.4	81.1	78.3	78.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.2	96.2	79.8	77.5	80.6	80.4	80.8	84.9	96.0	87.0	84.1	82.0	81.2	69.0	71.4

## 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
3053 K	80.9	2.0	83.2	96.7	80.3	0.435	0.406	0.249	0.348	0.0009

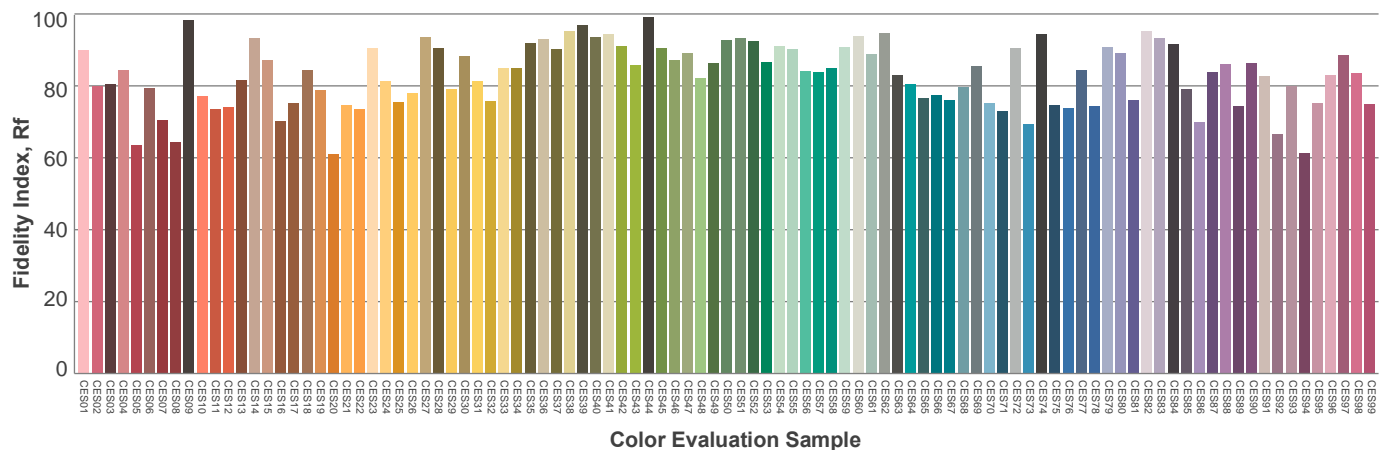
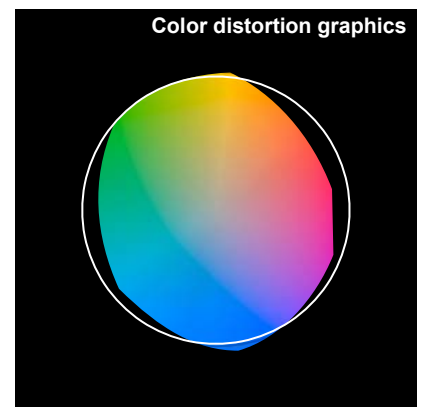
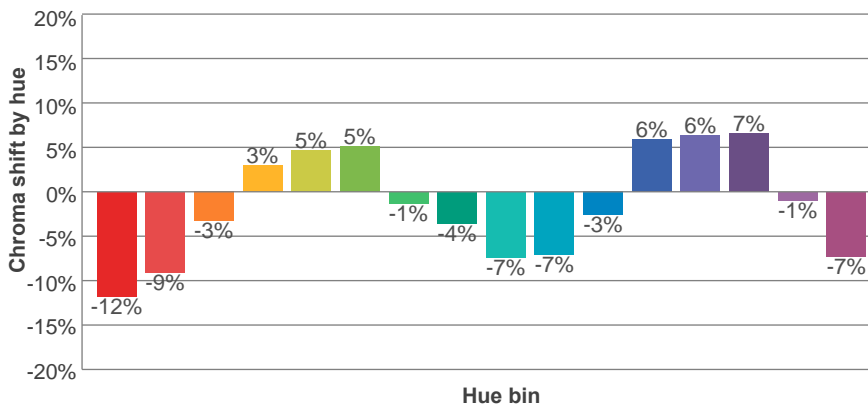
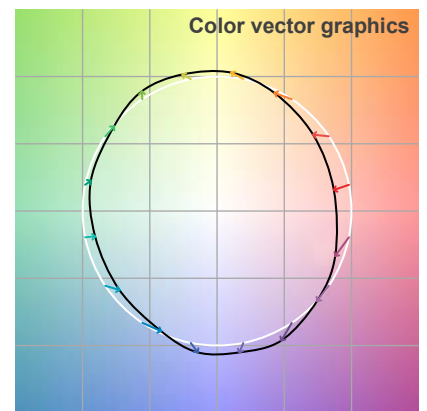
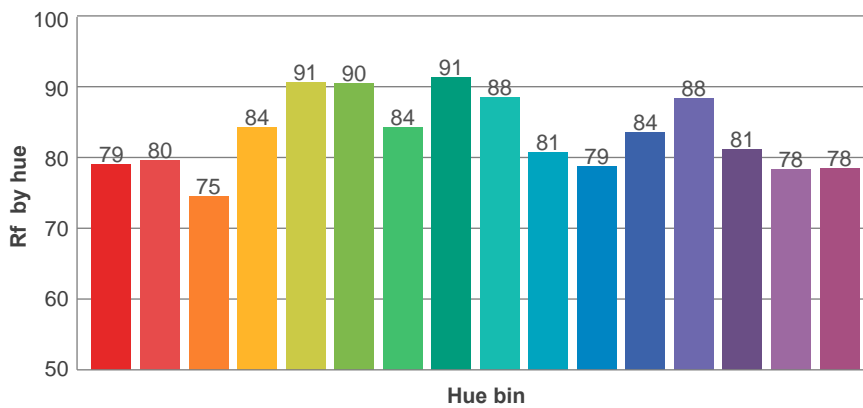
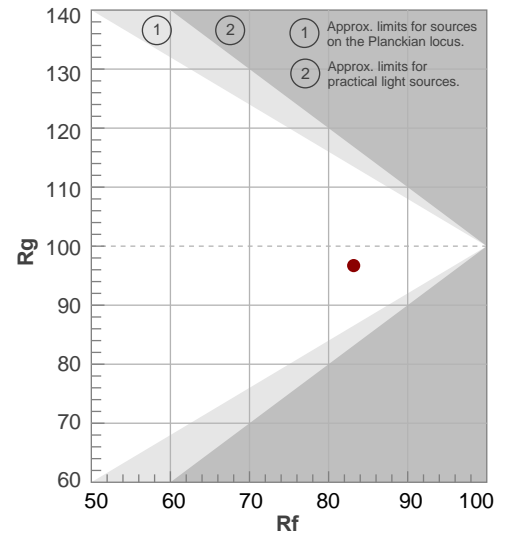
**Rf 83.2**

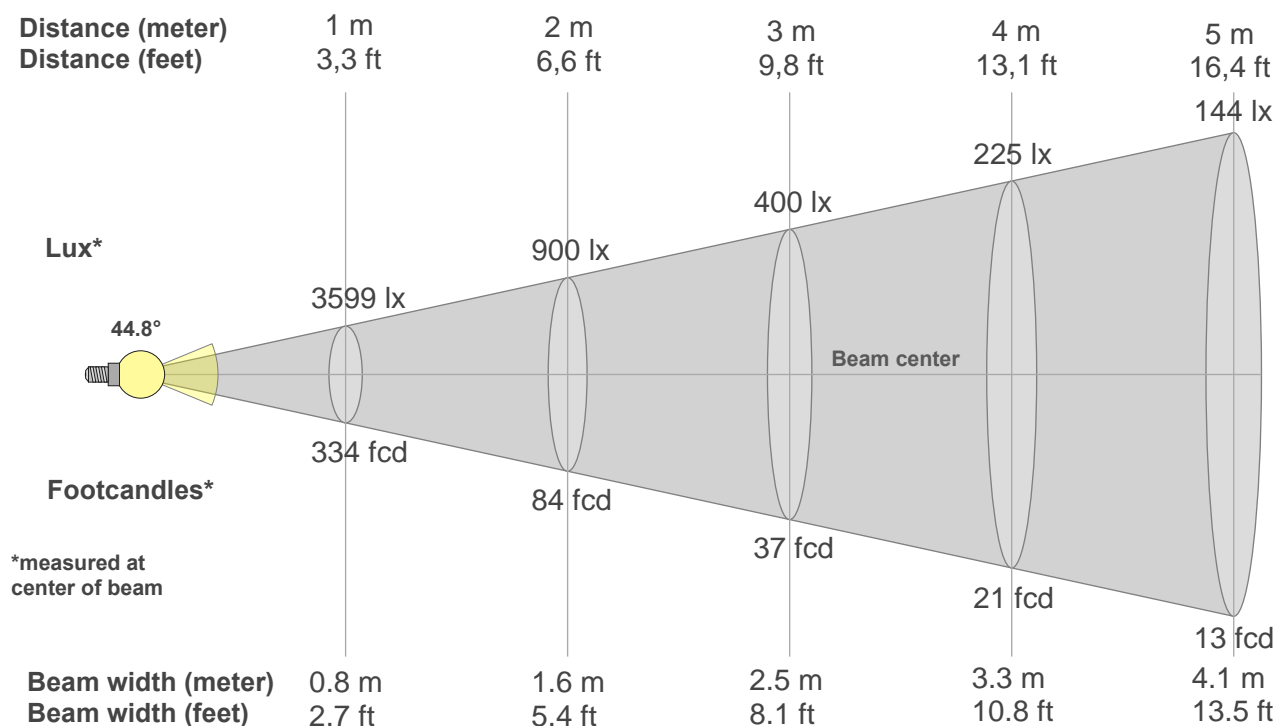
Fidelity index Rf

**Rg 96.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-2%
2	80	-9%	8%
3	75	-3%	13%
4	84	3%	10%
5	91	5%	5%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	88	-7%	1%
10	81	-7%	9%
11	79	-3%	15%
12	84	6%	6%
13	88	6%	-4%
14	81	7%	-14%
15	78	-1%	-14%
16	78	-7%	-16%





**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
3599lx	900lx	400lx	225lx	144lx	100lx	73lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
334.4fcd	83.6fcd	37.2fcd	20.9fcd	13.4fcd	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°
3599	3615	3528	3442	3297	3123	2939	2720	2501	2278	2054	1839	1642	1446	1285	1128	989	871	753	664
100%	100%	98%	96%	92%	87%	82%	76%	69%	63%	57%	51%	46%	40%	36%	31%	27%	24%	21%	18%

**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°
3599	3543	3510	3422	3276	3127	2921	2715	2497	2272	2049	1842	1635	1455	1286	1129	999	869	765	667
100%	98%	98%	95%	91%	87%	81%	75%	69%	63%	57%	51%	45%	40%	36%	31%	28%	24%	21%	19%

**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°
3599	3615	3528	3442	3297	3123	2939	2720	2501	2278	2054	1839	1642	1446	1285	1128	989	871	753	664
100%	100%	98%	96%	92%	87%	82%	76%	69%	63%	57%	51%	46%	40%	36%	31%	27%	24%	21%	18%

**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°
3599	3543	3510	3422	3276	3127	2921	2715	2497	2272	2049	1842	1635	1455	1286	1129	999	869	765	667
100%	98%	98%	95%	91%	87%	81%	75%	69%	63%	57%	51%	45%	40%	36%	31%	28%	24%	21%	19%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	91.7°	112°	97.8%	89.6%