

Light efficiency:

74 Lumen/Watt

Light quality:

CRI: 81.0

Color temperature:

3073 K

Output: 3010 lm

Peak: 3359 cd

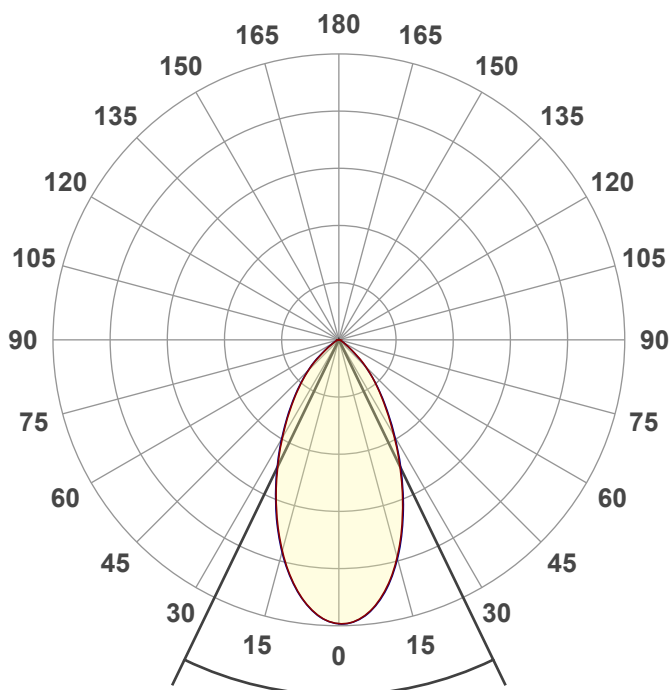
Power: 40.7 W

PF: 0.98



NU3-RD-SW-40LM-30K-80-40D-DL-WH-WH

Date and time:  
11/9/2020 1:25:20 PM



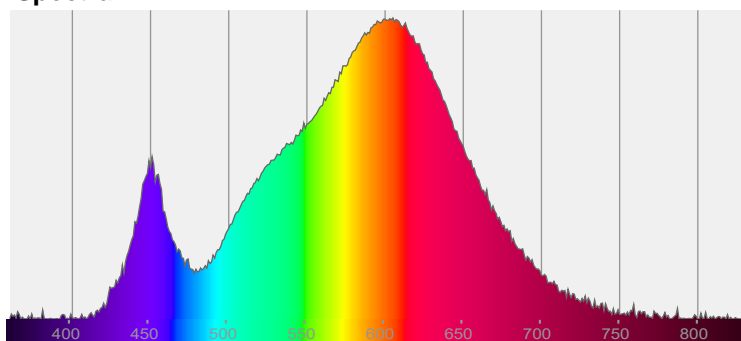
Beam angle

51.5°

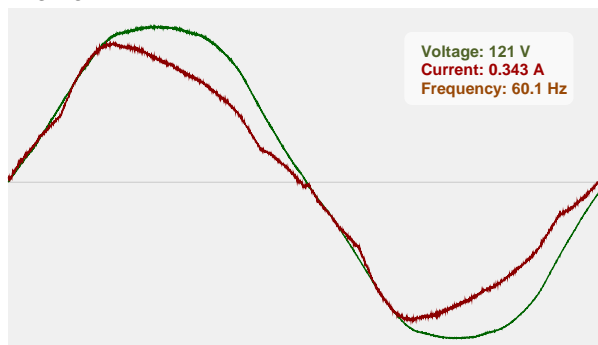


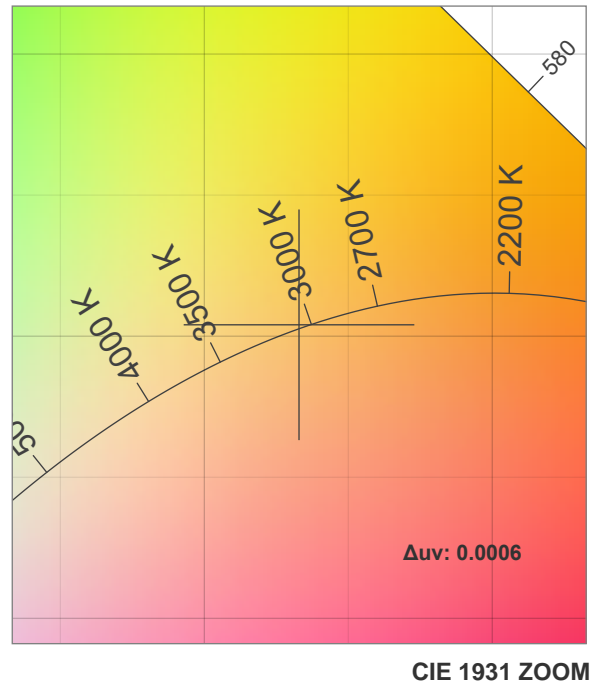
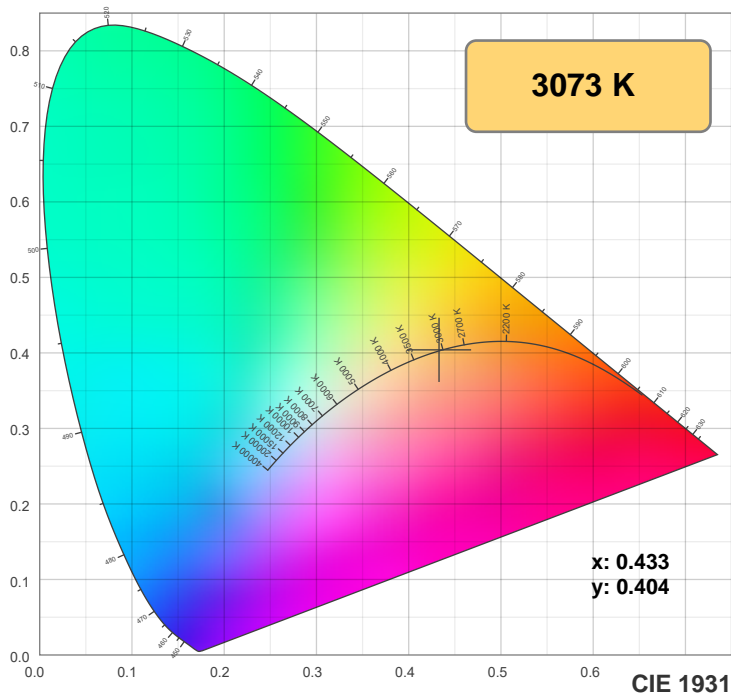
CIE 1931  
x: 0.433  
y: 0.404

Spectra

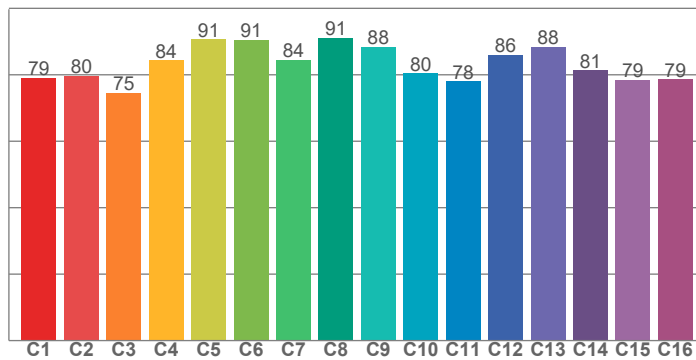


Power

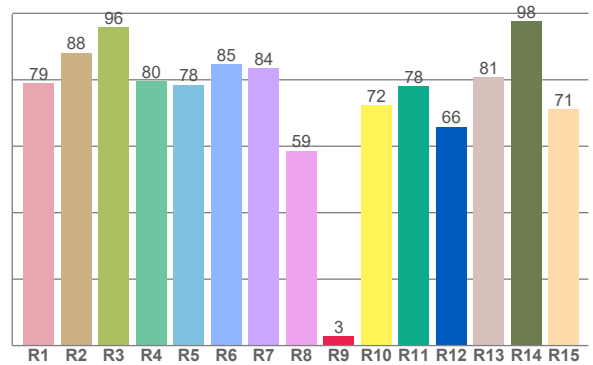




**TM30: 83.2**



**CRI: 81.0 (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
78.9	88.1	95.9	79.6	78.5	84.7	83.5	58.7	2.8	72.4	78.0	65.9	80.8	97.6	71.2

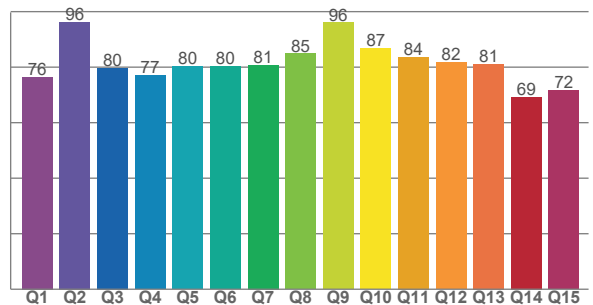
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.1	79.6	74.5	84.3	90.7	90.5	84.5	91.1	88.4	80.4	78.0	86.1	88.4	81.3	78.5	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.2	79.6	77.1	80.3	80.3	80.7	84.8	96.1	86.8	83.7	81.8	81.1	69.3	71.6

**CQS: 80.3**



## 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
3073 K	81.0	2.8	83.2	96.8	80.3	0.433	0.404	0.248	0.347	0.0006

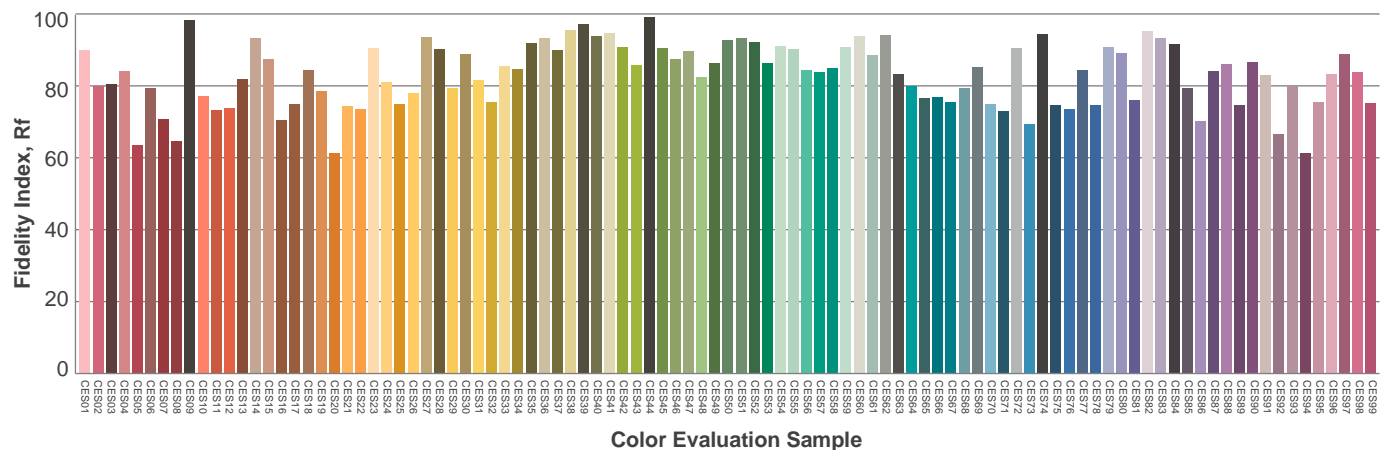
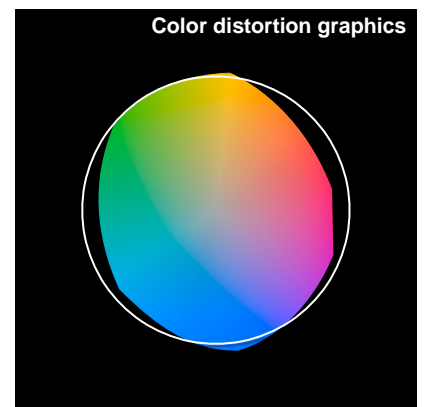
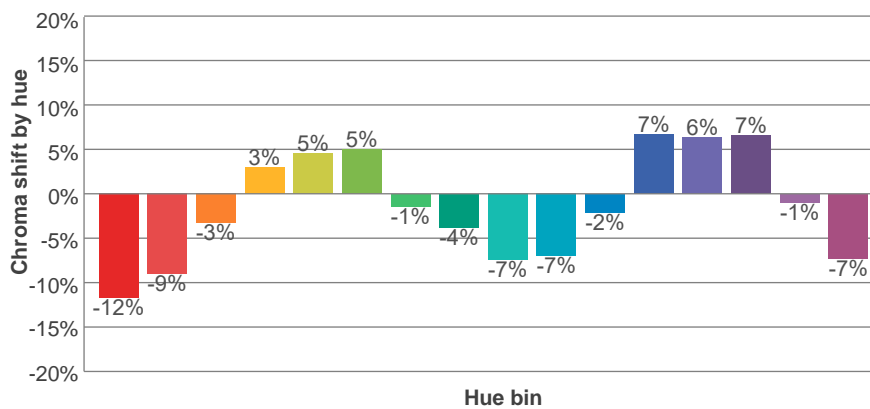
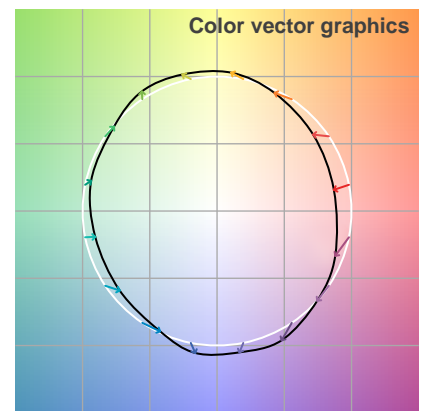
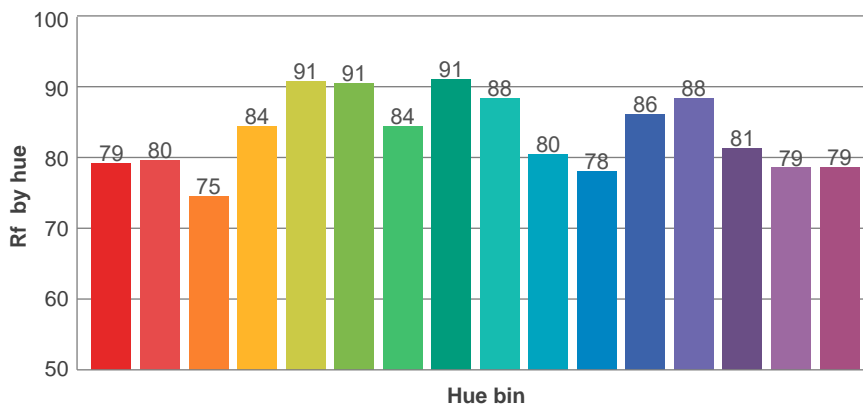
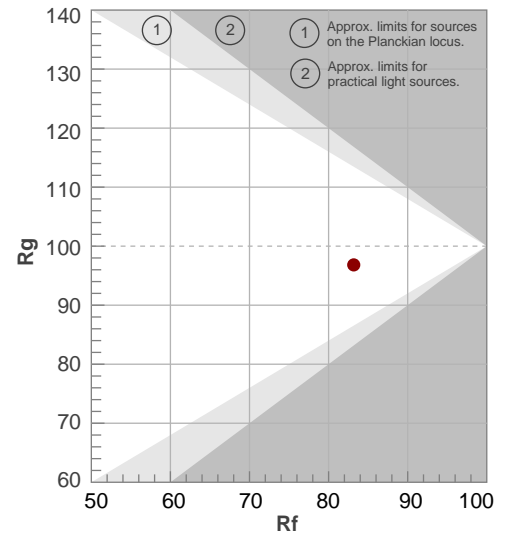
**Rf 83.2**

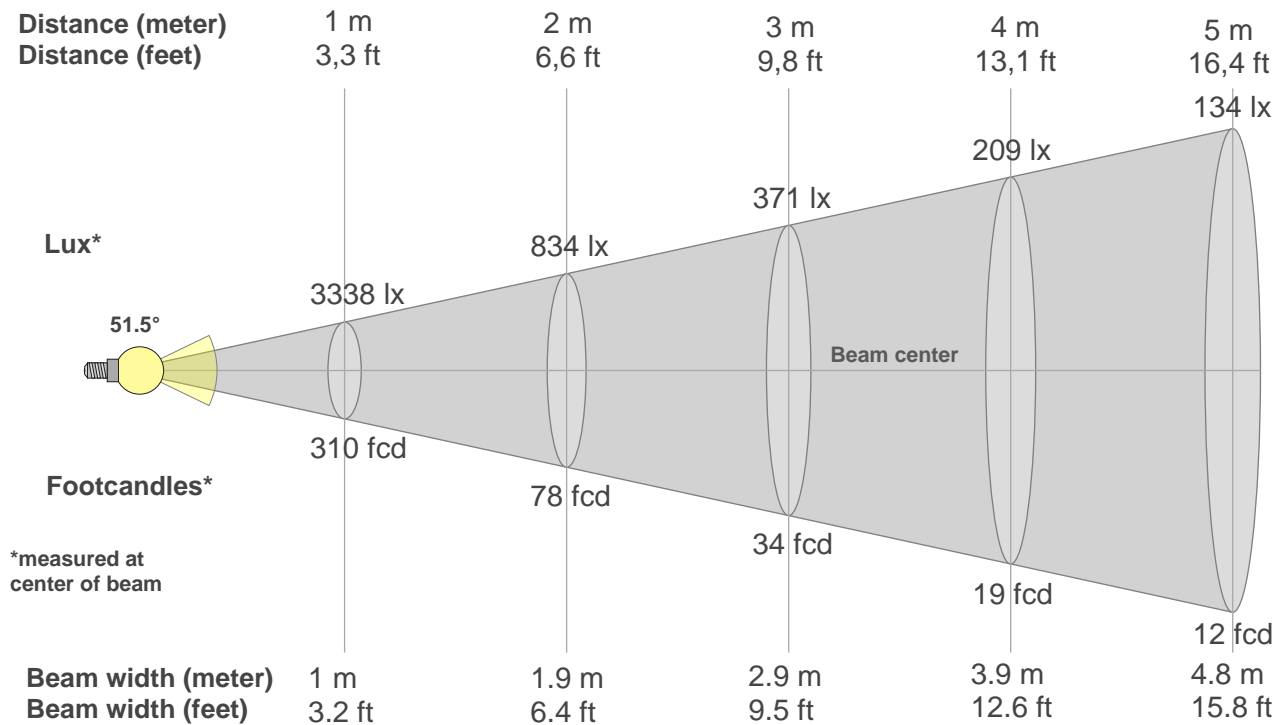
Fidelity index Rf

**Rg 96.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	8%
3	75	-3%	13%
4	84	3%	10%
5	91	5%	5%
6	91	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	88	-7%	1%
10	80	-7%	9%
11	78	-2%	14%
12	86	7%	5%
13	88	6%	-4%
14	81	7%	-13%
15	79	-1%	-14%
16	79	-7%	-15%





#### 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
3338lx	834lx	371lx	209lx	134lx	93lx	68lx	52lx	41lx	33lx	28lx	23lx	20lx	17lx	15lx	13lx	12lx	10lx	9lx	8lx
310.1fcd	77.5fcd	34.5fcd	19.4fcd	12.4fcd	8.6fcd	6.3fcd	4.8fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	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°
3338	3345	3296	3234	3150	3026	2902	2737	2567	2389	2200	2010	1827	1644	1472	1309	1149	1021	893	782
100%	100%	99%	97%	94%	91%	87%	82%	77%	72%	66%	60%	55%	49%	44%	39%	34%	31%	27%	23%

#### 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°
3338	3340	3298	3257	3150	3043	2908	2750	2591	2405	2220	2034	1849	1666	1497	1329	1181	1042	910	798
100%	100%	99%	98%	94%	91%	87%	82%	78%	72%	66%	61%	55%	50%	45%	40%	35%	31%	27%	24%

#### 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°
3338	3322	3261	3179	3085	2951	2818	2659	2494	2327	2153	1980	1813	1647	1488	1341	1193	1069	946	835
100%	100%	98%	95%	92%	88%	84%	80%	75%	70%	65%	59%	54%	49%	45%	40%	36%	32%	28%	25%

#### 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°
3338	3313	3278	3183	3087	2963	2822	2676	2509	2342	2170	1998	1828	1667	1506	1360	1218	1084	967	850
100%	99%	98%	95%	92%	89%	85%	80%	75%	70%	65%	60%	55%	50%	45%	41%	36%	32%	29%	25%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
51.5°	96.9°	117.3°	97.8%	88.6%