

Light efficiency:

95 Lumen/Watt

Light quality:

CRI: 82.1

Color temperature:

2965 K

Output: 792 lm

Peak: 1293 cd

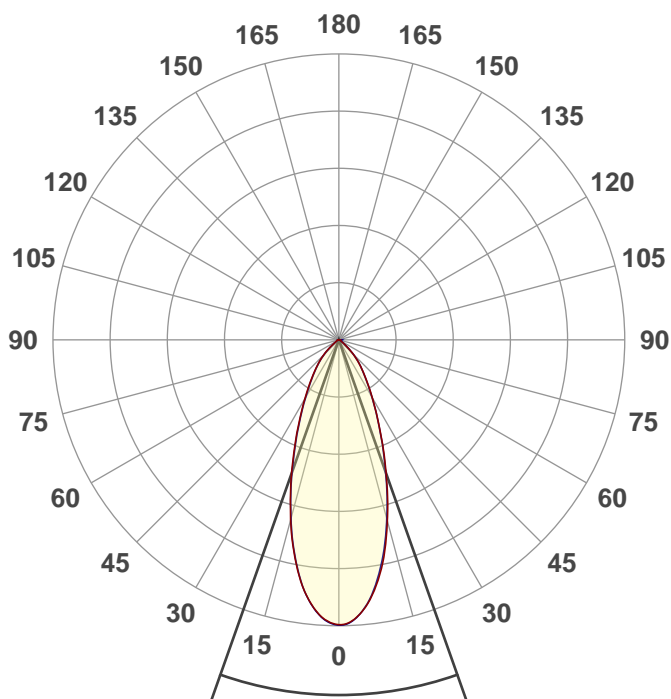
Power: 8.4 W

PF: 0.93



**NU3-RD-SW-10LM-30K-80-40D-120-DIM10-NC-WH-WH**

Date and time:  
11/12/2020 9:46:10 AM



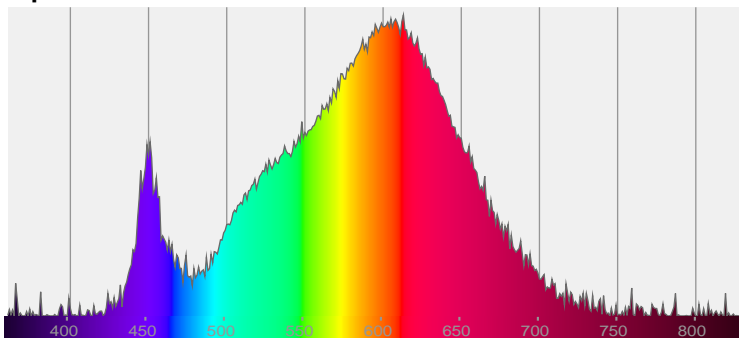
Beam angle

**39°**

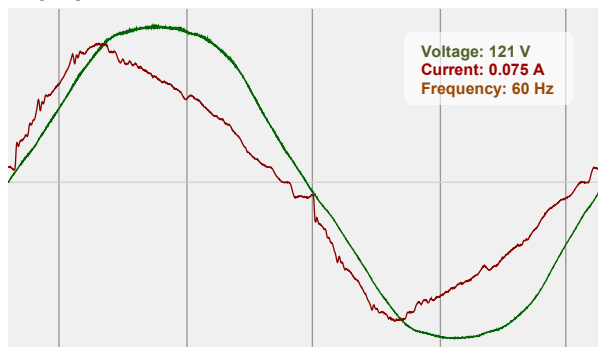


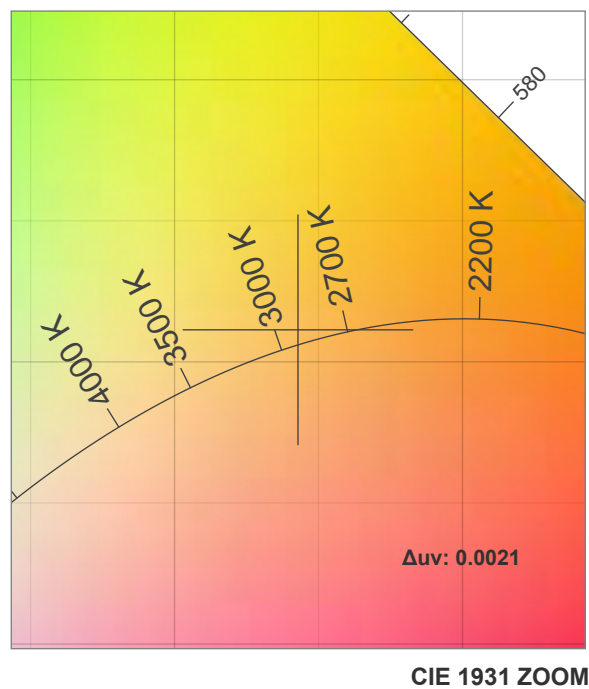
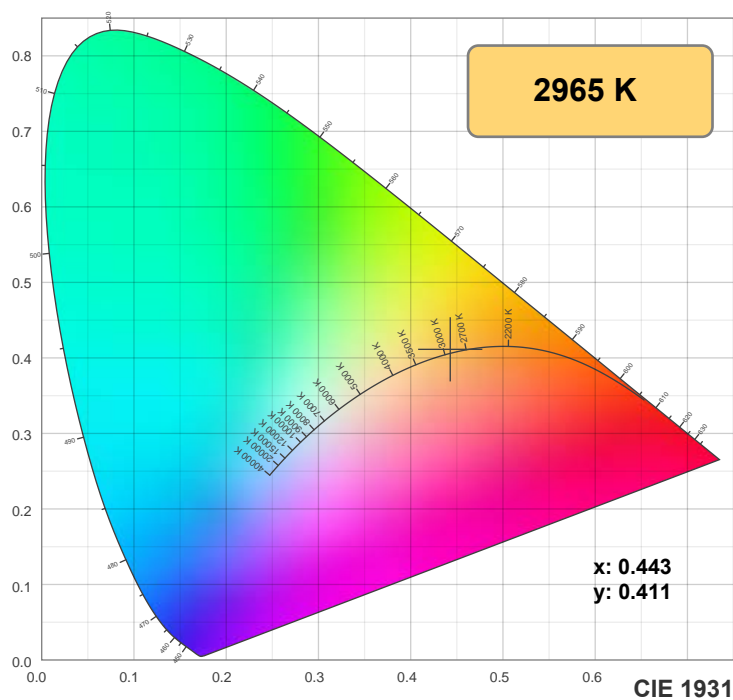
CIE 1931  
x: 0.443  
y: 0.411

Spectra

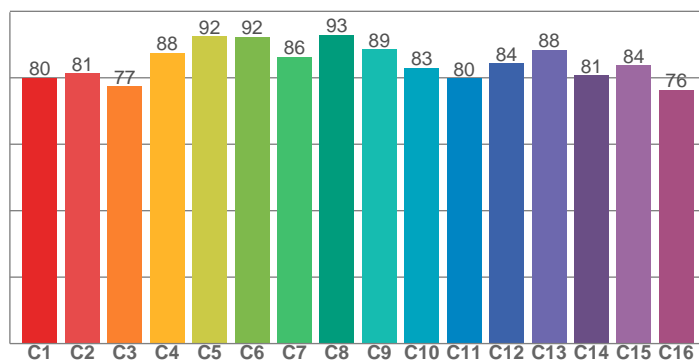


Power

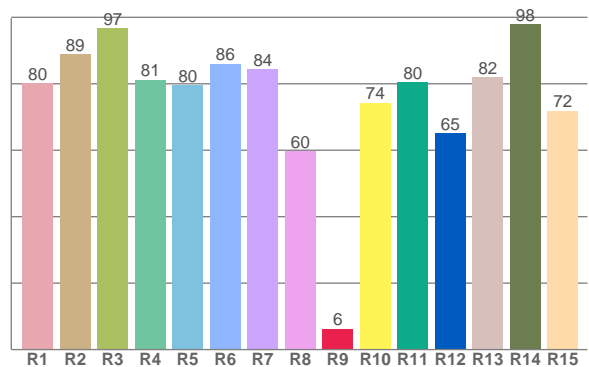




TM30: 84.4



CRI: 82.1 (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
80.1	88.8	96.7	81.2	79.6	86.0	84.3	59.8	6.2	74.3	80.4	65.0	81.9	98.0	71.9

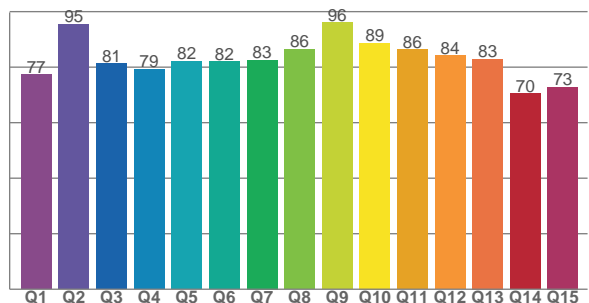
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.9	81.3	77.4	87.5	92.4	92.3	86.2	92.8	88.5	82.9	79.8	84.4	88.5	80.8	83.7	76.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.3	95.4	81.3	79.2	82.1	82.0	82.6	86.4	96.0	88.7	86.3	84.2	83.0	70.5	72.9

CQS: 81.8



## 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	$\Delta uv$
2965 K	82.1	6.2	84.4	96.2	81.8	0.443	0.411	0.251	0.350	0.0021

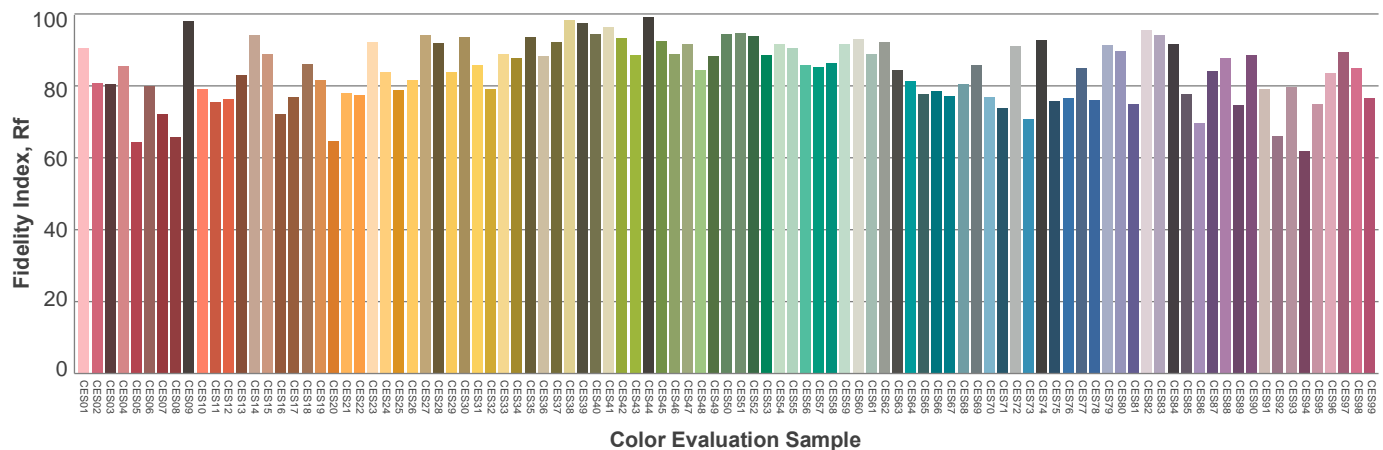
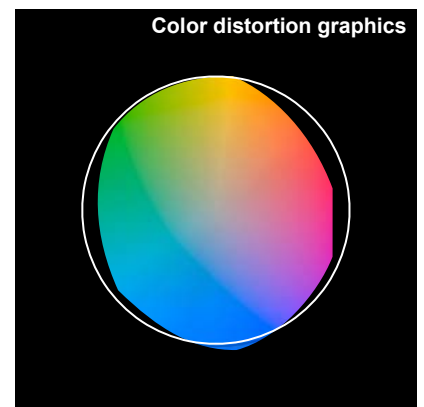
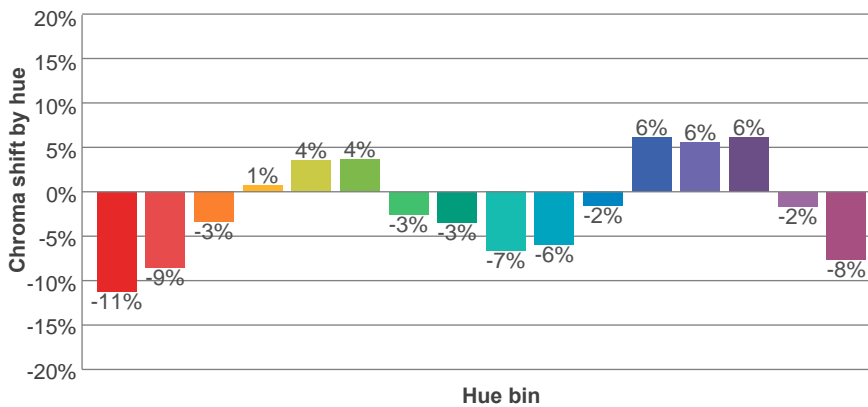
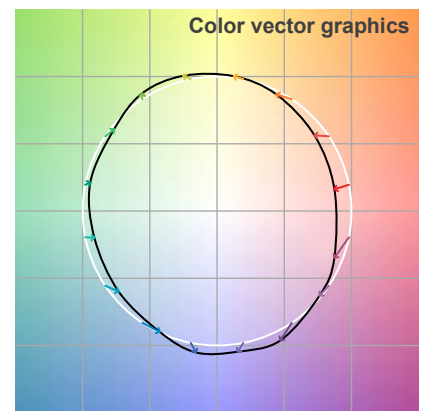
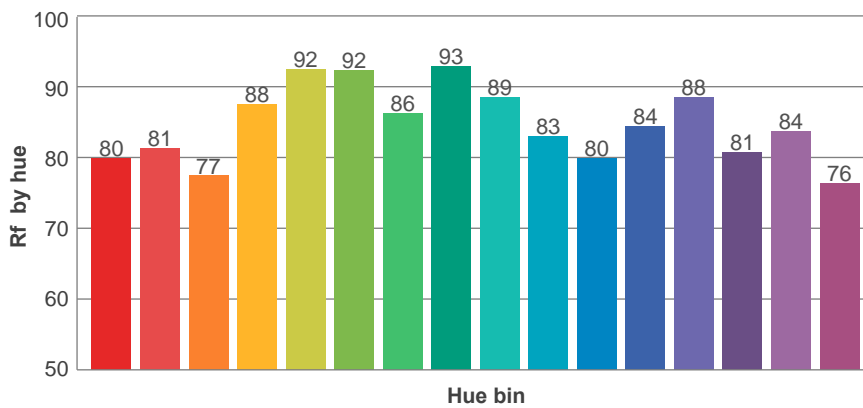
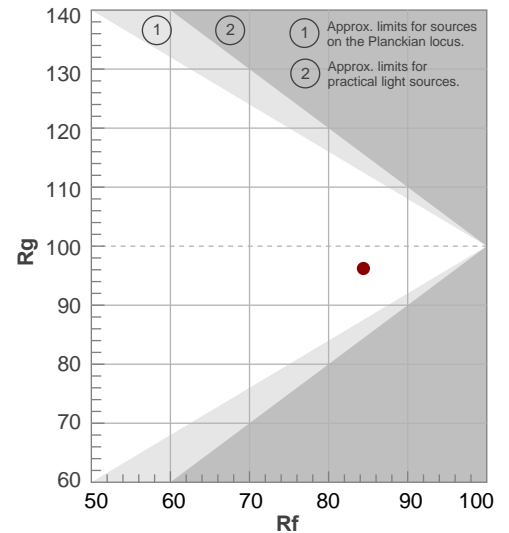
**Rf 84.4**

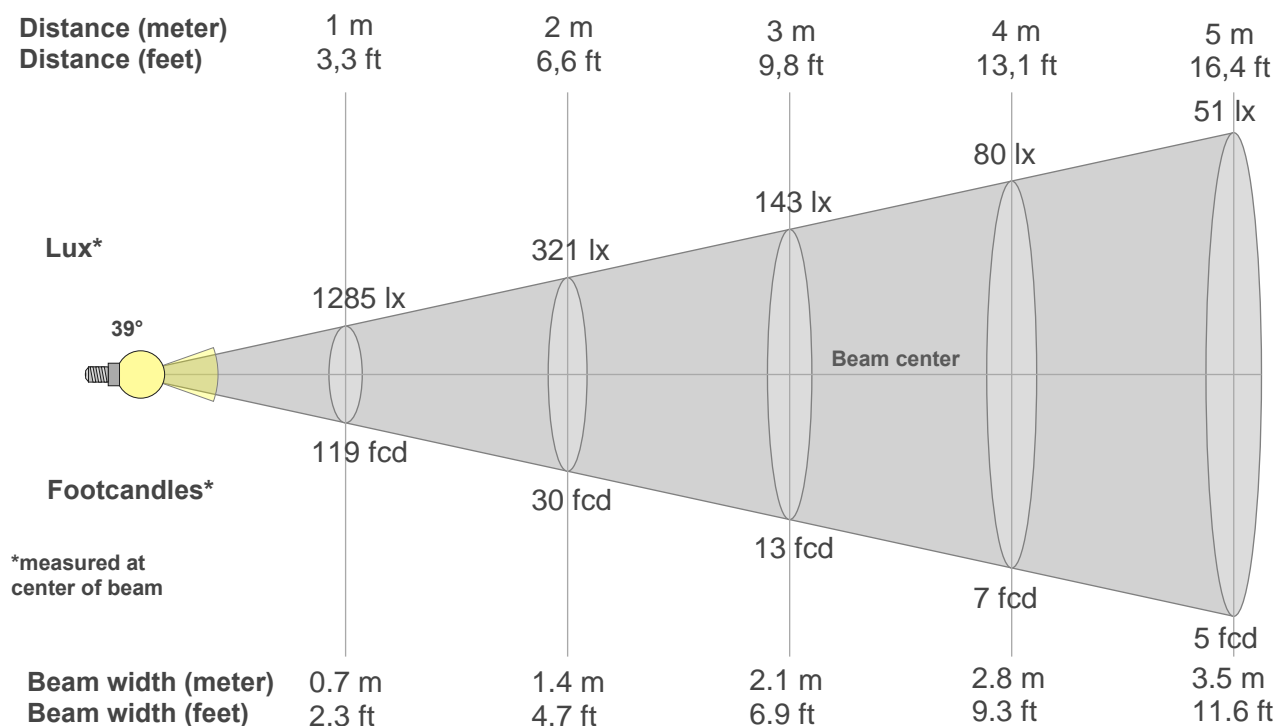
Fidelity index Rf

**Rg 96.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-1%
2	81	-9%	7%
3	77	-3%	11%
4	88	1%	7%
5	92	4%	5%
6	92	4%	-2%
7	86	-3%	-8%
8	93	-3%	-3%
9	89	-7%	2%
10	83	-6%	9%
11	80	-2%	14%
12	84	6%	5%
13	88	6%	-5%
14	81	6%	-14%
15	84	-2%	-10%
16	76	-8%	-17%





**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
1285lx	321lx	143lx	80lx	51lx	36lx	26lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx
119.3fcd	29.8fcd	13.3fcd	7.5fcd	4.8fcd	3.3fcd	2.4fcd	1.9fcd	1.5fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd

**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°
1285	1282	1247	1212	1145	1074	993	900	806	716	626	546	475	405	356	307	267	232	199	174
100%	100%	97%	94%	89%	84%	77%	70%	63%	56%	49%	43%	37%	32%	28%	24%	21%	18%	16%	14%

**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°
1285	1288	1247	1205	1140	1063	982	889	796	708	620	539	471	403	353	304	262	229	195	172
100%	100%	97%	94%	89%	83%	76%	69%	62%	55%	48%	42%	37%	31%	27%	24%	20%	18%	15%	13%

**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°
1285	1273	1251	1197	1144	1066	982	895	802	710	628	547	477	416	356	314	271	236	206	177
100%	99%	97%	93%	89%	83%	76%	70%	62%	55%	49%	43%	37%	32%	28%	24%	21%	18%	16%	14%

**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°
1285	1277	1249	1198	1145	1062	978	889	796	705	621	538	470	408	351	306	262	230	200	172
100%	99%	97%	93%	89%	83%	76%	69%	62%	55%	48%	42%	37%	32%	27%	24%	20%	18%	16%	13%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	83.7°	104.6°	98.1%	92.0%