

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 83.9

Color temperature:

2998 K

Output: 1653 lm

Peak: 1245 cd

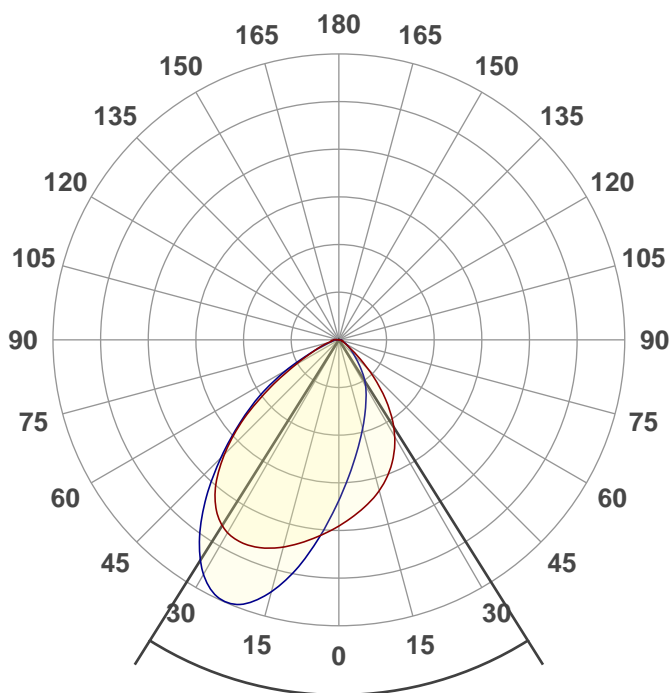
Power: 22.1 W

PF: 0.97



NU3-RW-SW-20LM-30K-80-WW-120-DIM10-NC-WH-WH

Date and time:
10/21/2019 1:56:15 PM



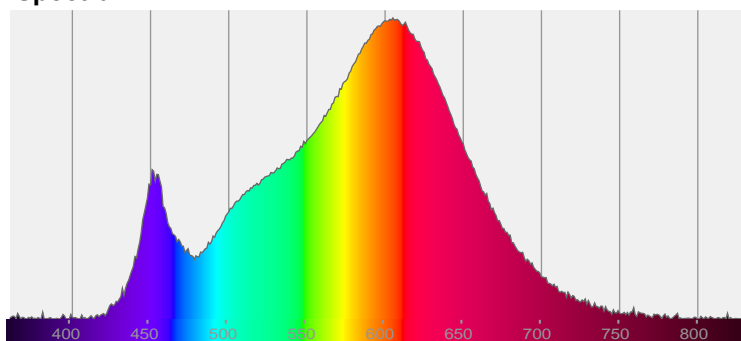
Beam angle

64.3°

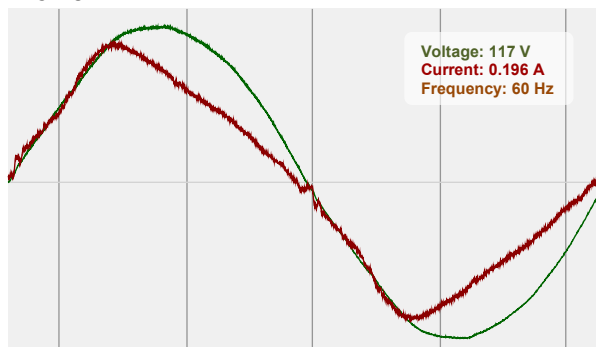


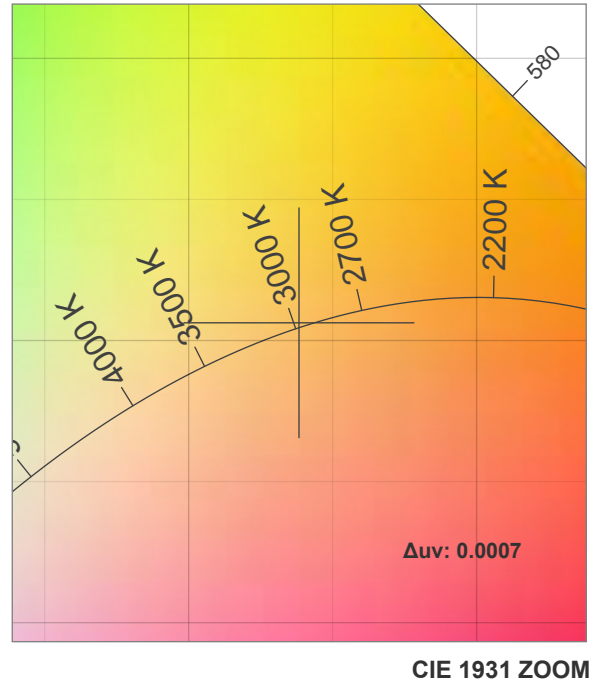
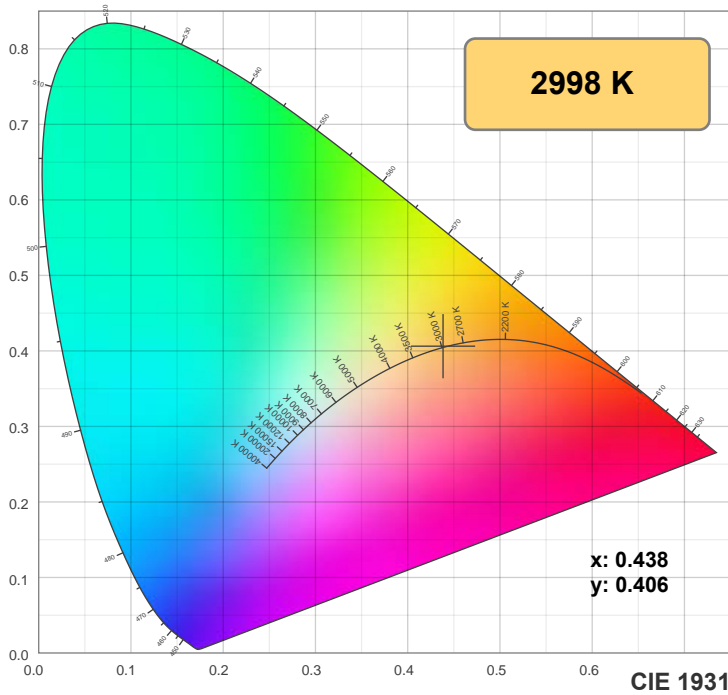
CIE 1931
x: 0.438
y: 0.406

Spectra

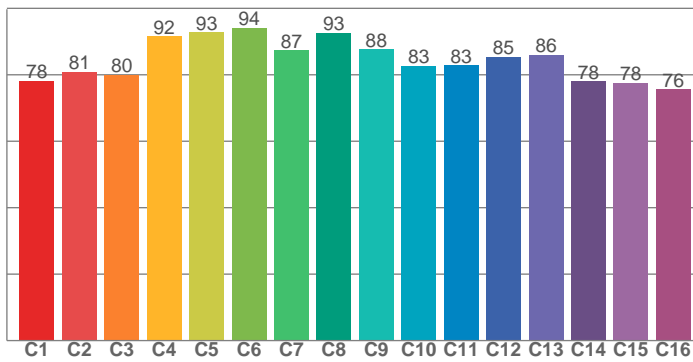


Power

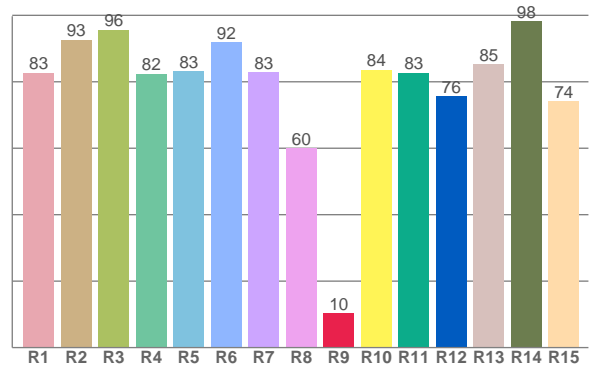




TM30: 84.7



CRI: 83.9 (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
82.7	92.7	95.7	82.4	83.2	91.9	82.9	60.1	10.3	83.6	82.7	75.6	85.3	98.2	74.1

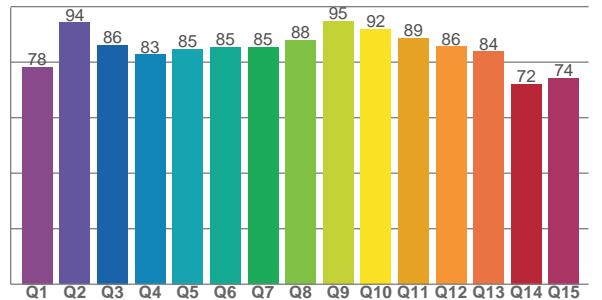
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.2	80.9	79.9	91.5	92.8	94.2	87.3	92.7	87.6	82.7	82.8	85.4	86.0	78.0	77.5	75.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.3	94.3	86.2	82.7	84.7	85.4	85.4	88.0	94.8	92.0	88.7	85.6	83.7	72.1	74.3

CQS: 83.7



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
2998 K	83.9	10.3	84.7	95.0	83.7	0.438	0.406	0.251	0.348	0.0007

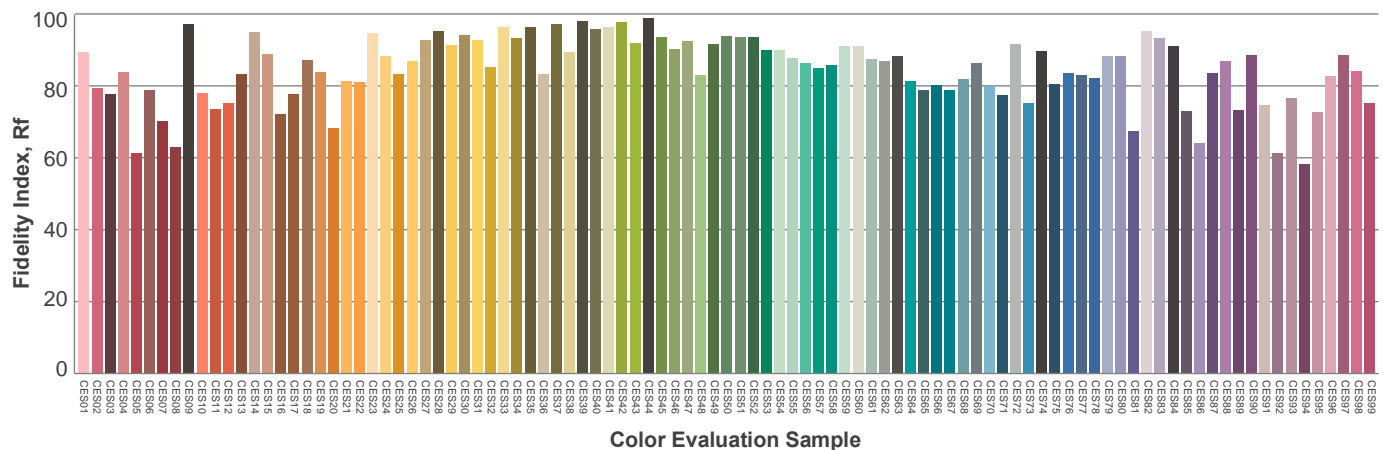
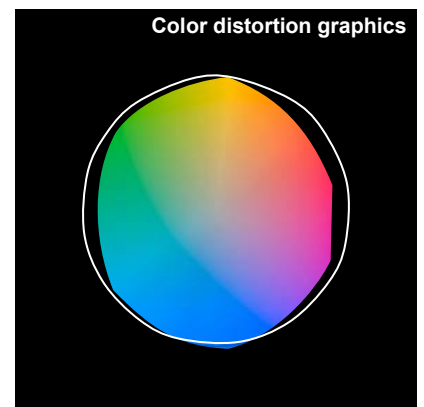
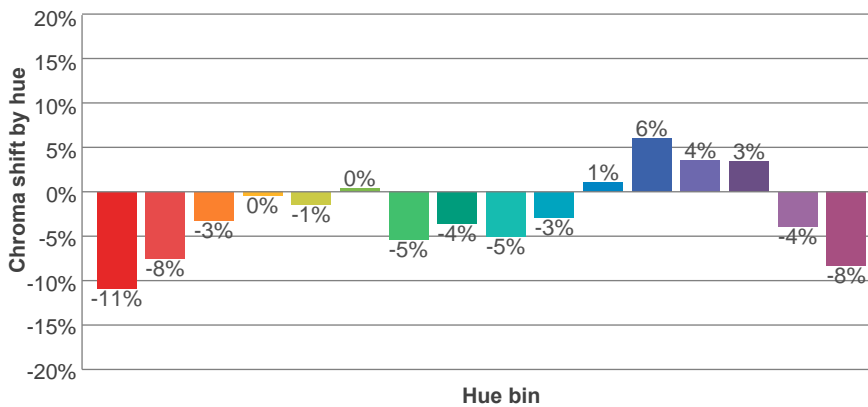
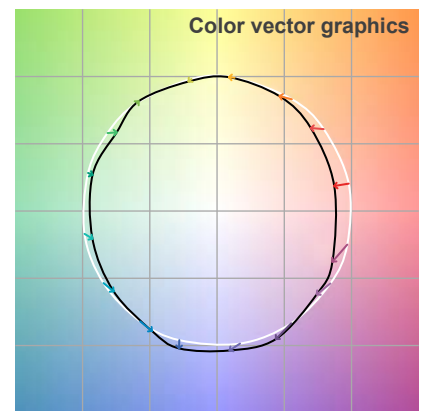
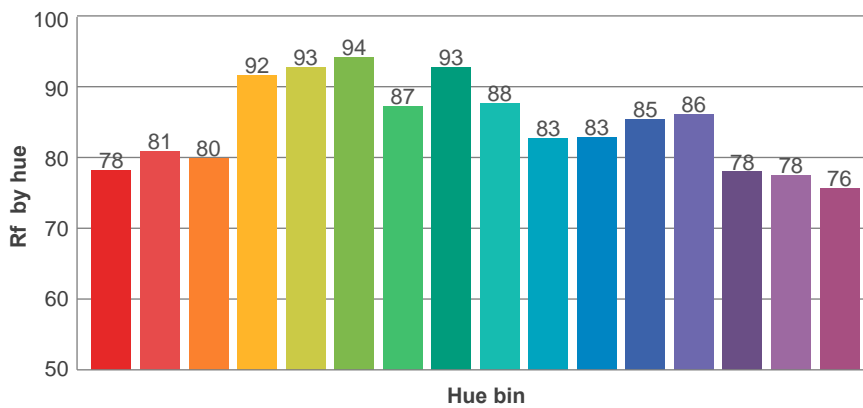
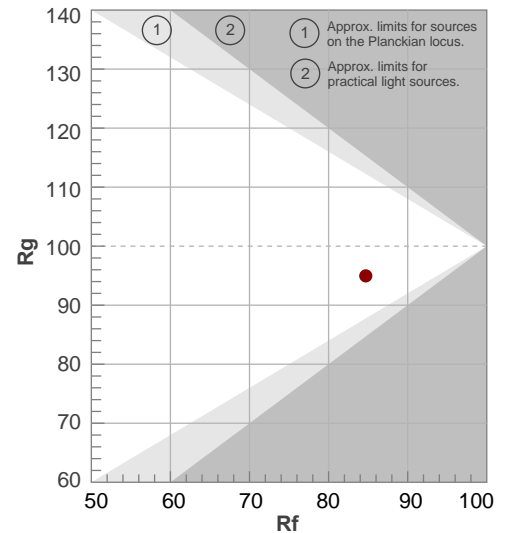
Rf 84.7

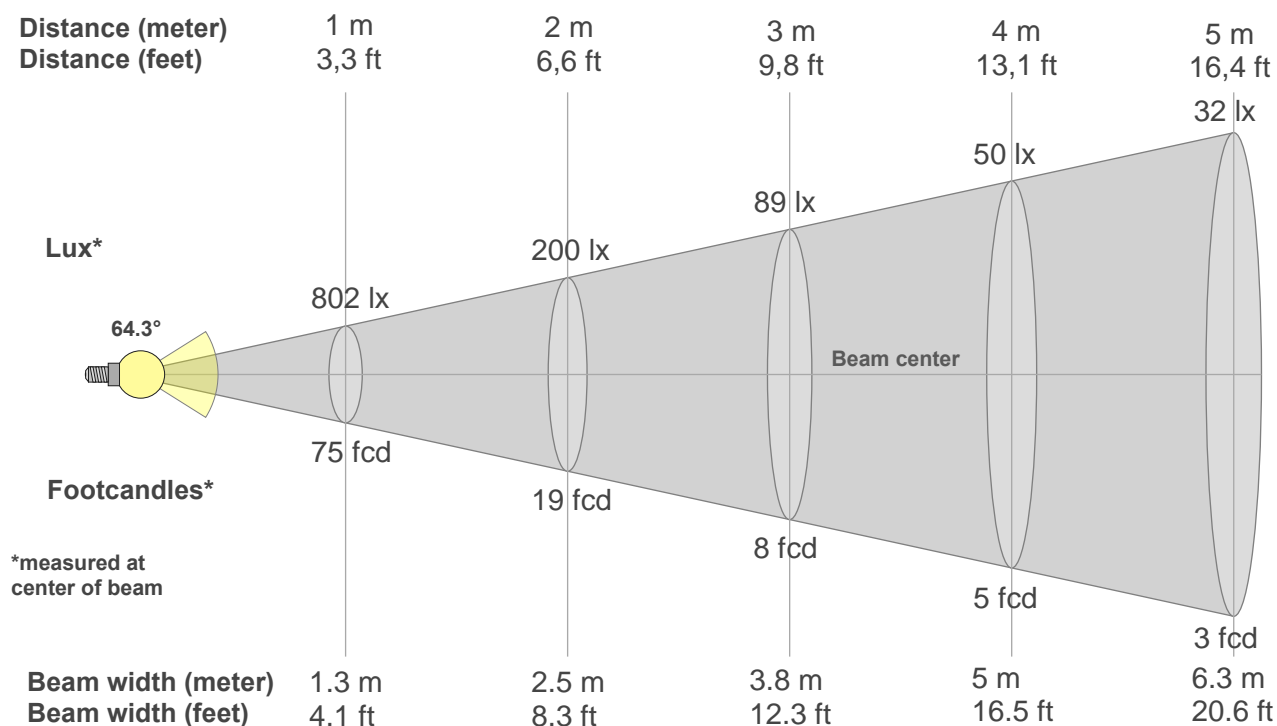
Fidelity index Rf

Rg 95.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	0%
2	81	-8%	6%
3	80	-3%	9%
4	92	0%	4%
5	93	-1%	2%
6	94	0%	-2%
7	87	-5%	-4%
8	93	-4%	1%
9	88	-5%	5%
10	83	-3%	9%
11	83	1%	11%
12	85	6%	1%
13	86	4%	-9%
14	78	3%	-16%
15	78	-4%	-12%
16	76	-8%	-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
802lx	200lx	89lx	50lx	32lx	22lx	16lx	13lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx
74.5fcd	18.6fcd	8.3fcd	4.7fcd	3fcd	2.1fcd	1.5fcd	1.2fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
802	751	710	664	611	548	474	385	283	181	99	52	32	20	14	16	12	3	0	0
100%	94%	88%	83%	76%	68%	59%	48%	35%	23%	12%	6%	4%	3%	2%	2%	1%	0%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
802	566	470	392	328	274	228	180	131	94	68	50	36	23	11	6	2	1	0	0
100%	71%	59%	49%	41%	34%	28%	22%	16%	12%	9%	6%	4%	3%	1%	1%	0%	0%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
802	834	875	913	942	956	947	902	815	688	535	363	216	126	80	48	31	31	19	0
100%	104%	109%	114%	118%	119%	118%	112%	102%	86%	67%	45%	27%	16%	10%	6%	4%	4%	2%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
802	827	978	1109	1195	1210	1152	1034	880	711	550	405	259	131	61	37	24	23	17	0
100%	103%	122%	138%	149%	151%	144%	129%	110%	89%	69%	51%	32%	16%	8%	5%	3%	3%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	112.1°	142.2°	93.6%	74.5%