

Light efficiency:

74 Lumen/Watt

Light quality:

CRI: 81.1

Color temperature:

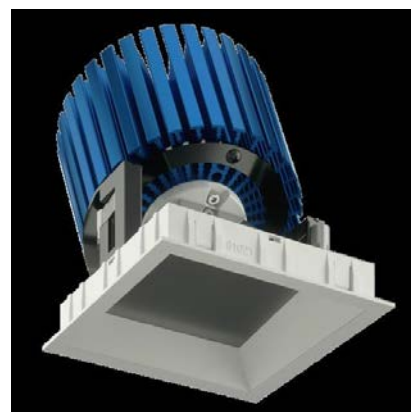
2920 K

Output: 2441 lm

Peak: 1293 cd

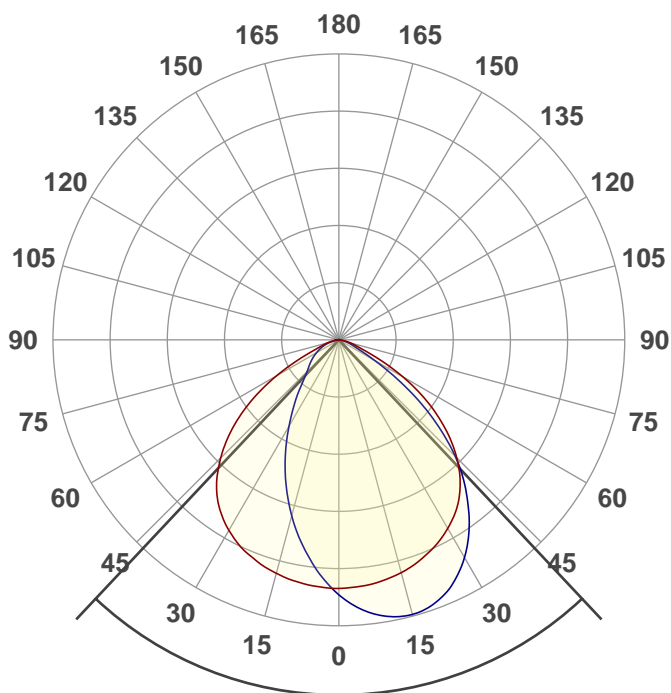
Power: 33.0 W

PF: 0.98



NU4-QW-XTM19-30LM-30K-83-WW-120-DIM10-NC-WH-WH

Date and time:
1/30/2021 9:59:40 AM



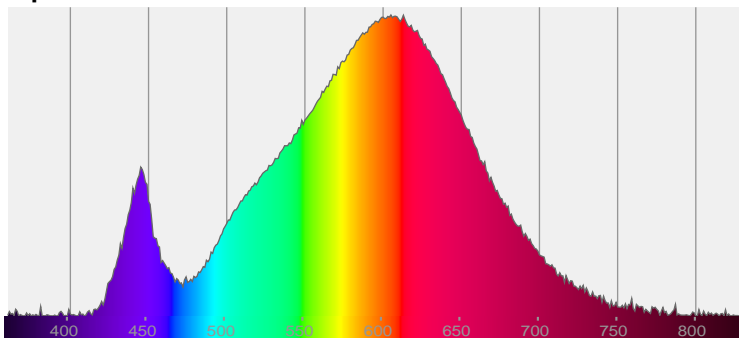
Beam angle

86.4°

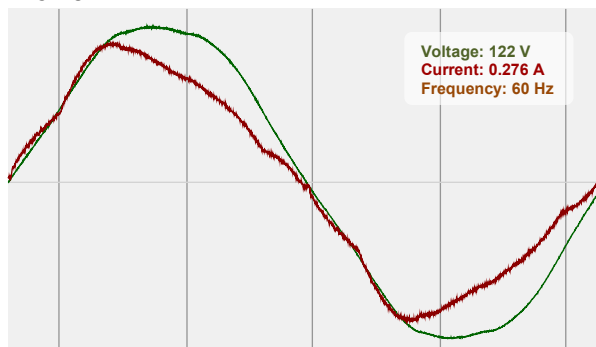


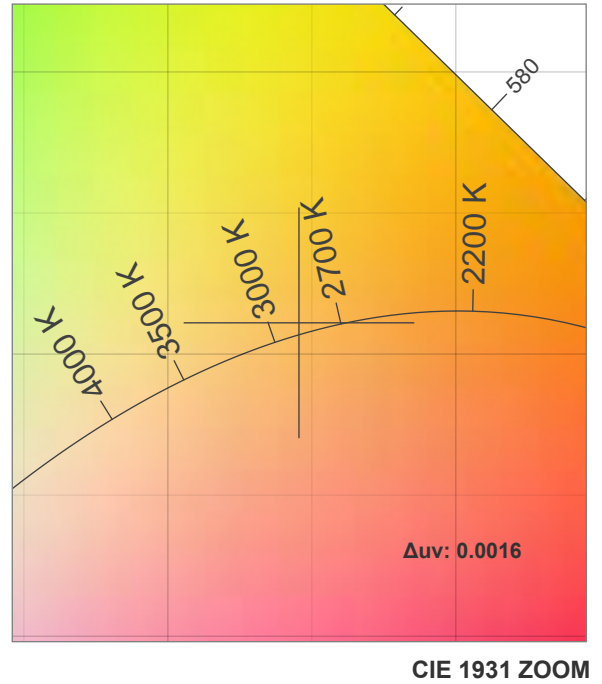
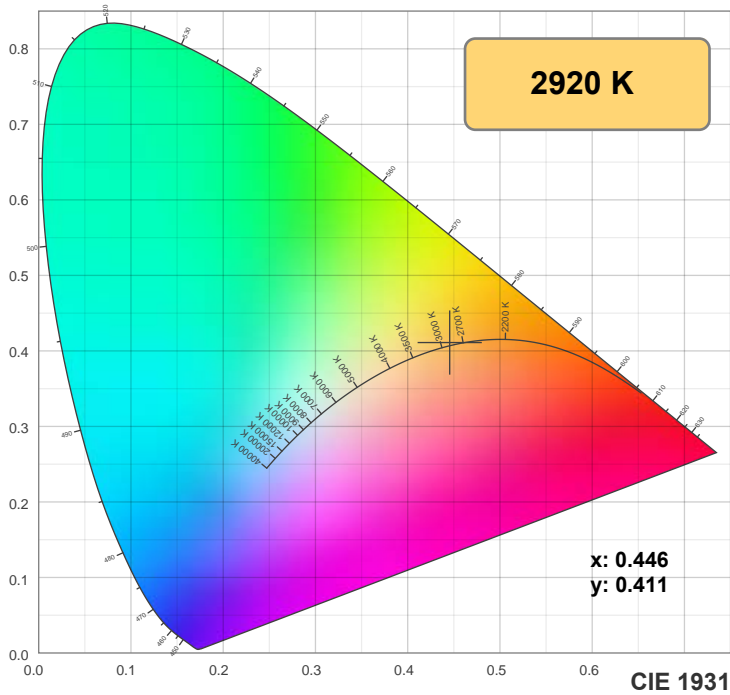
CIE 1931
x: 0.446
y: 0.411

Spectra

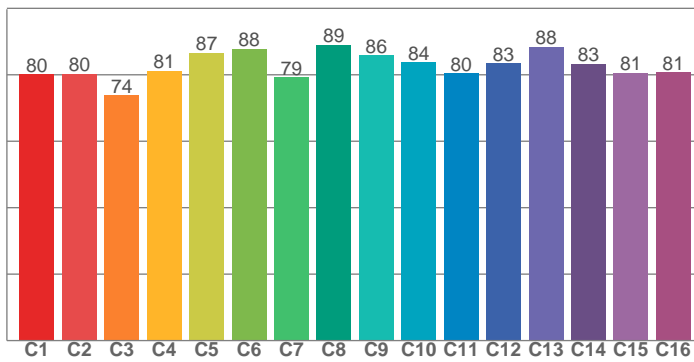


Power

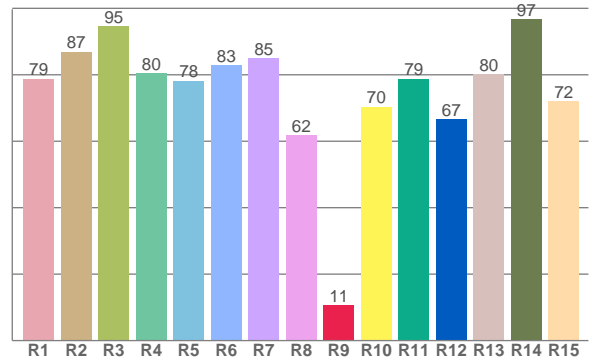




TM30: 82.6



CRI: 81.1 (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
78.8	87.0	94.7	80.5	78.2	83.0	84.9	61.8	10.6	70.3	78.8	66.7	80.1	96.7	72.1

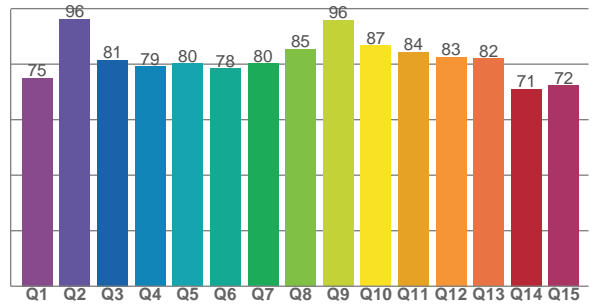
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.1	80.2	73.8	81.2	86.5	87.7	79.2	89.0	85.8	83.8	80.4	83.4	88.4	83.3	80.6	80.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.0	96.3	81.4	79.2	80.2	78.5	80.3	85.4	95.9	86.7	84.3	82.6	82.1	71.0	72.3

CQS: 80.6



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
2920 K	81.1	10.6	82.6	98.1	80.6	0.446	0.411	0.253	0.350	0.0016

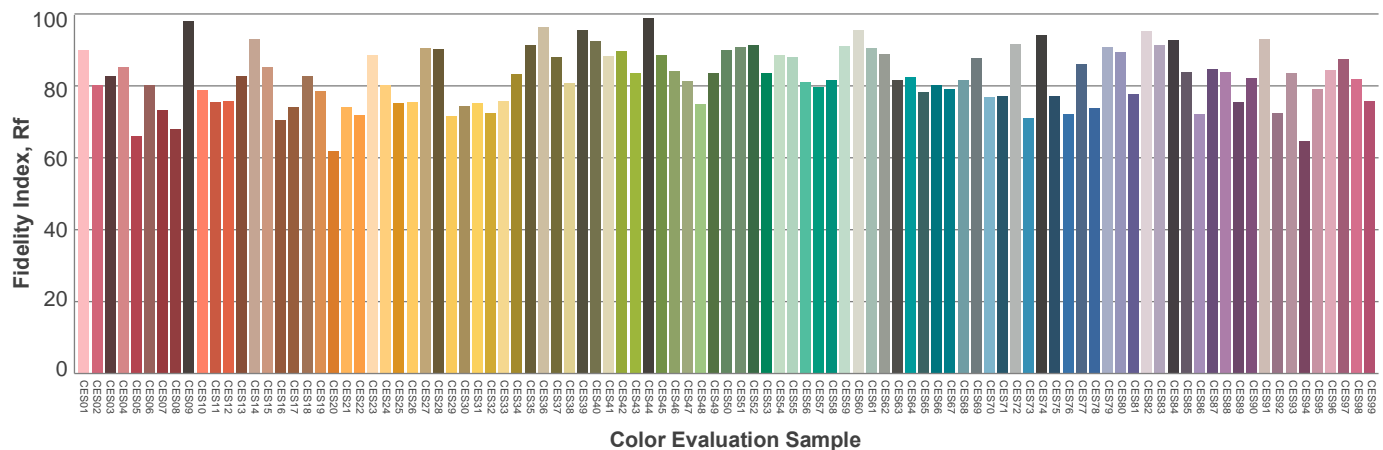
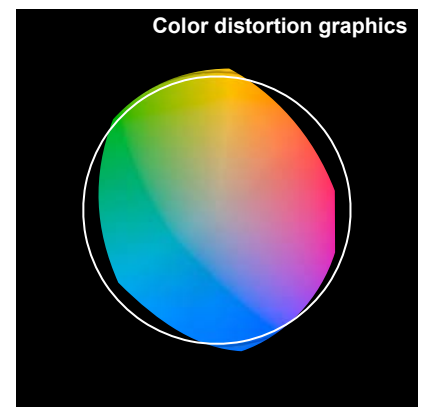
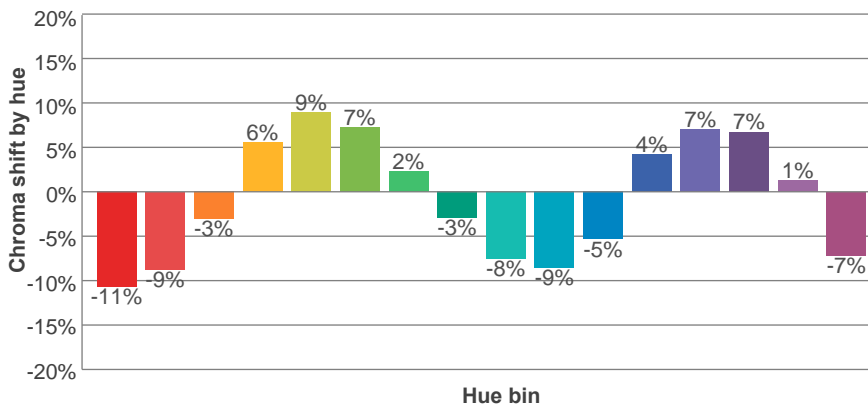
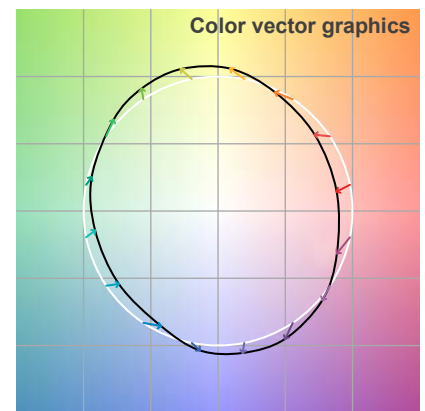
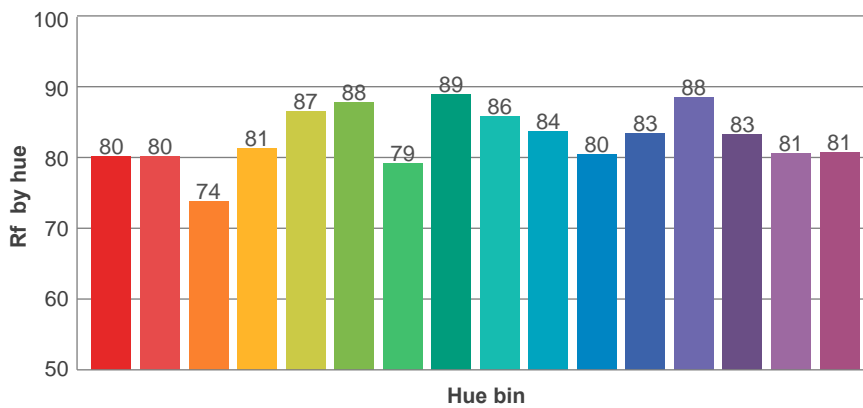
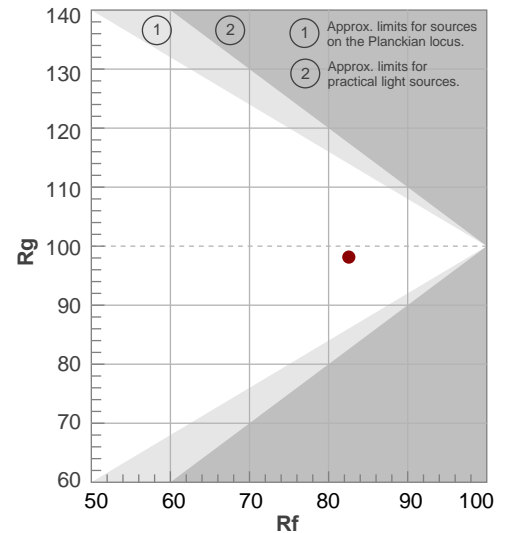
Rf 82.6

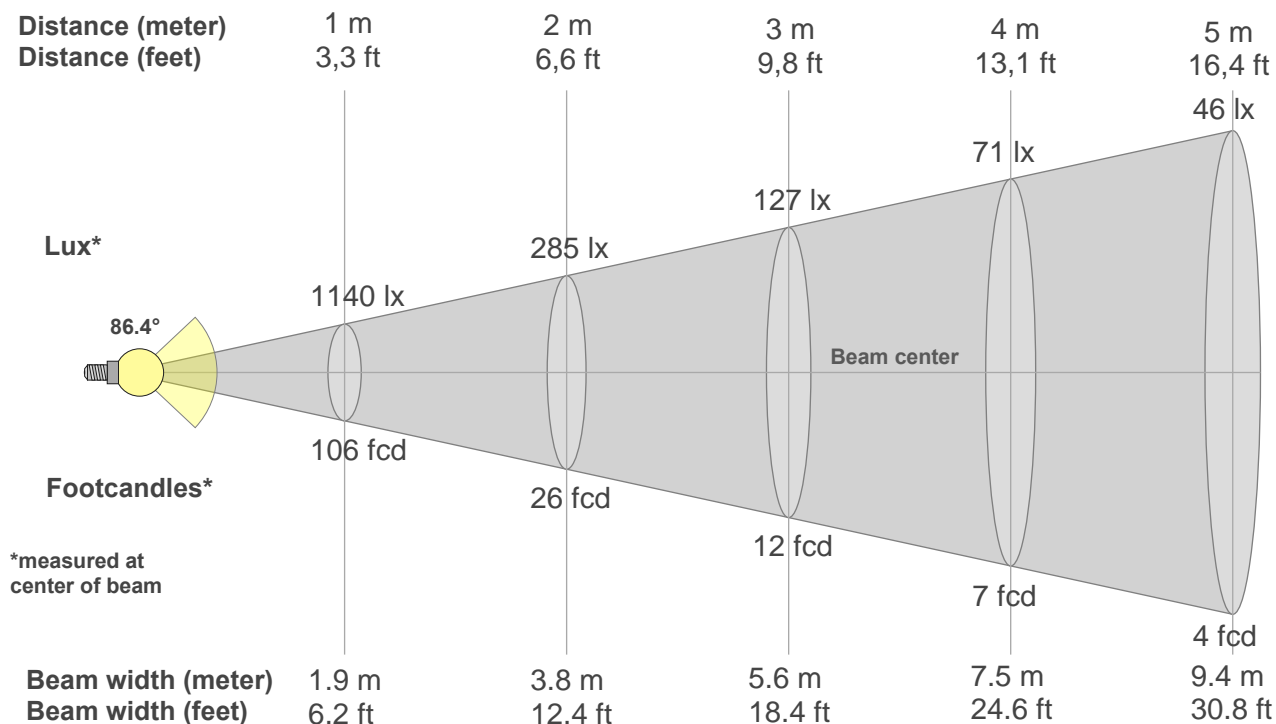
Fidelity index Rf

Rg 98.1

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-3%
2	80	-9%	7%
3	74	-3%	14%
4	81	6%	12%
5	87	9%	7%
6	88	7%	-3%
7	79	2%	-13%
8	89	-3%	-6%
9	86	-8%	-4%
10	84	-9%	4%
11	80	-5%	12%
12	83	4%	7%
13	88	7%	-3%
14	83	7%	-11%
15	81	1%	-12%
16	81	-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
1140lx	285lx	127lx	71lx	46lx	32lx	23lx	18lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx	3lx
105.9fcd	26.5fcd	11.8fcd	6.6fcd	4.2fcd	2.9fcd	2.2fcd	1.7fcd	1.3fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd

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°
1140	1126	1115	1097	1070	1036	991	935	858	758	635	493	336	186	94	56	27	11	0	0
100%	99%	98%	96%	94%	91%	87%	82%	75%	67%	56%	43%	29%	16%	8%	5%	2%	1%	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°
1140	1233	1277	1293	1275	1225	1143	1034	901	748	562	365	192	94	57	33	14	4	2	0
100%	108%	112%	113%	112%	107%	100%	91%	79%	66%	49%	32%	17%	8%	5%	3%	1%	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°
1140	1127	1117	1100	1076	1045	1001	943	865	760	636	490	328	175	90	55	26	12	3	0
100%	99%	98%	96%	94%	92%	88%	83%	76%	67%	56%	43%	29%	15%	8%	5%	2%	1%	0%	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°
1140	1063	949	829	702	576	454	349	262	205	173	145	118	92	67	39	18	6	0	0
100%	93%	83%	73%	62%	50%	40%	31%	23%	18%	15%	13%	10%	8%	6%	3%	2%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	130.7°	155.5°	90.4%	66.3%