

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 96.3

Color temperature:

2995 K

Output: 1645 lm

Peak: 2076 cd

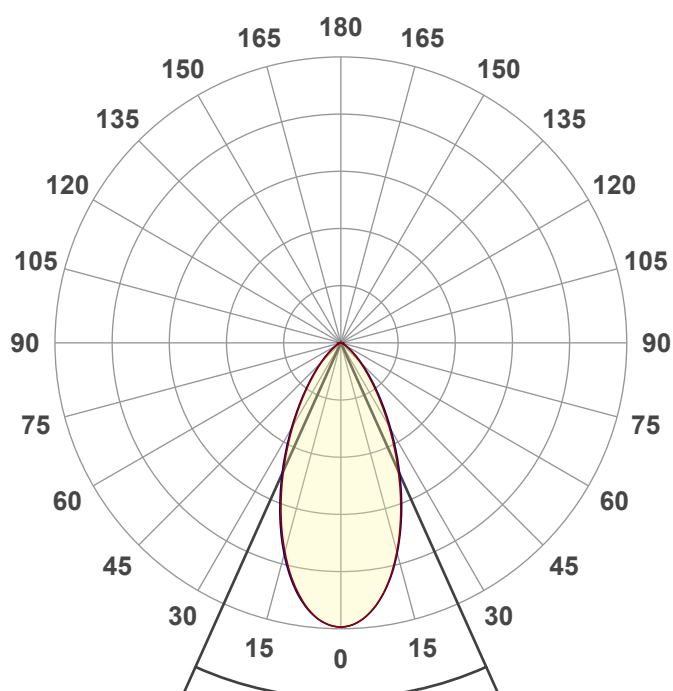
Power: 37.4 W

PF: 0.98



NU3-RA-WD-30LM-3018-97-40D-NA-DL-WH-WH

Date and time:
6/30/2022 9:45:44 AM



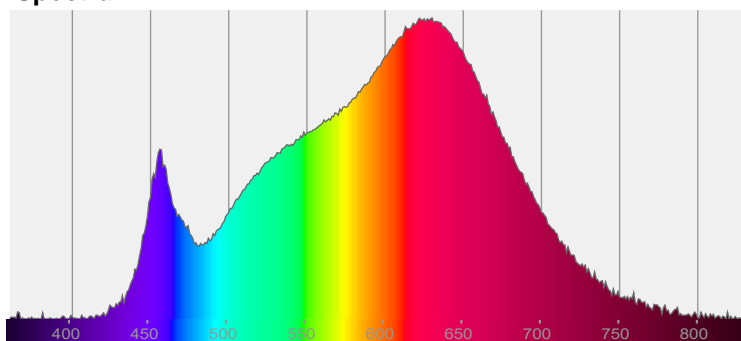
Beam angle

48.3°

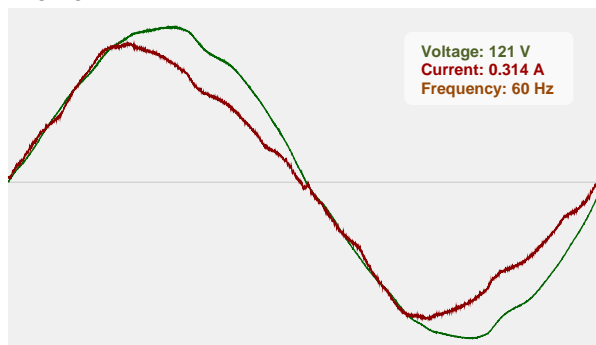


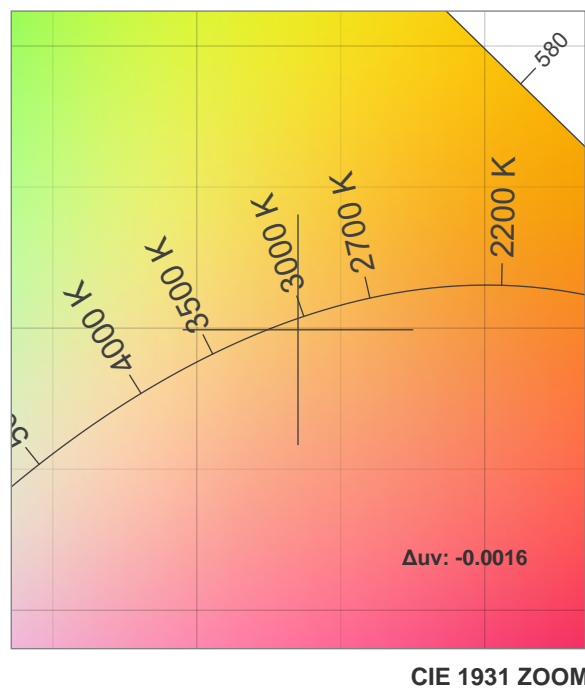
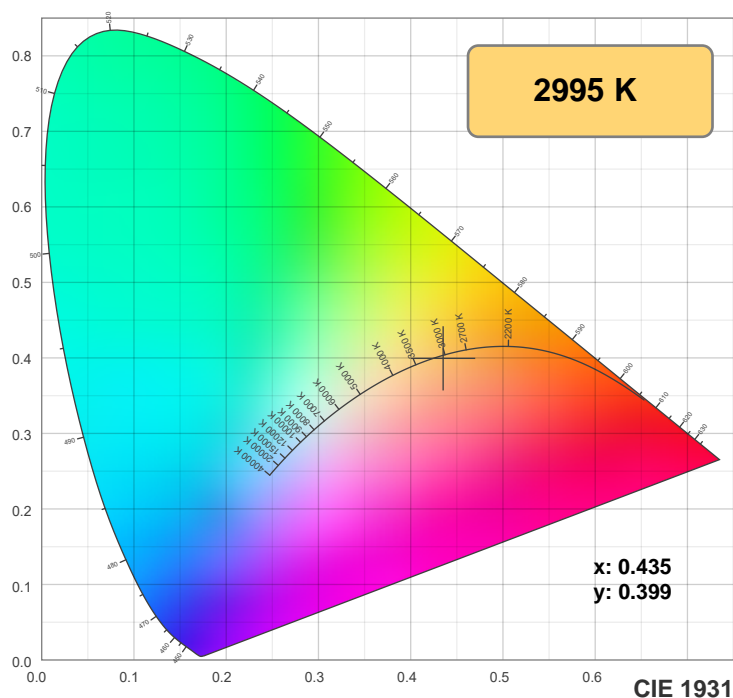
CIE 1931
x: 0.435
y: 0.399

Spectra

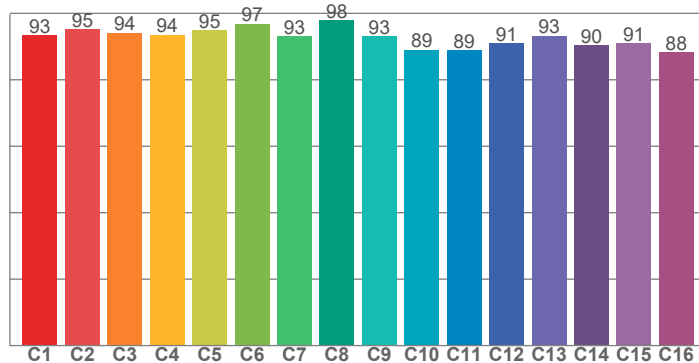


Power

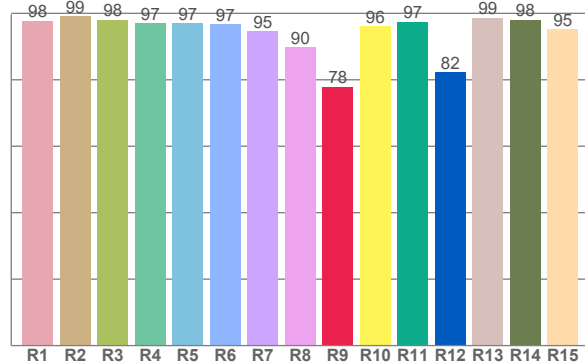




TM30: 92.8



CRI: 96.3 (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
97.8	99.1	98.1	96.9	97.0	96.8	94.6	89.9	77.9	96.2	97.5	82.2	98.7	98.0	95.2

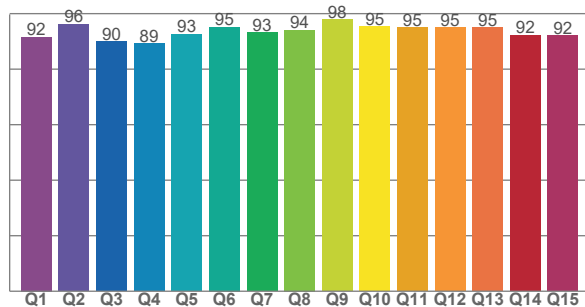
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	95.2	94.1	93.6	94.9	96.8	93.1	97.8	93.0	89.0	88.9	91.0	93.2	90.3	90.9	88.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.6	96.1	89.9	89.2	92.6	95.1	93.2	94.1	97.8	95.3	95.0	94.9	95.0	92.2	92.0

CQS: 93.1



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
2995 K	96.3	77.9	92.8	99.9	93.1	0.435	0.399	0.251	0.346	-0.0016

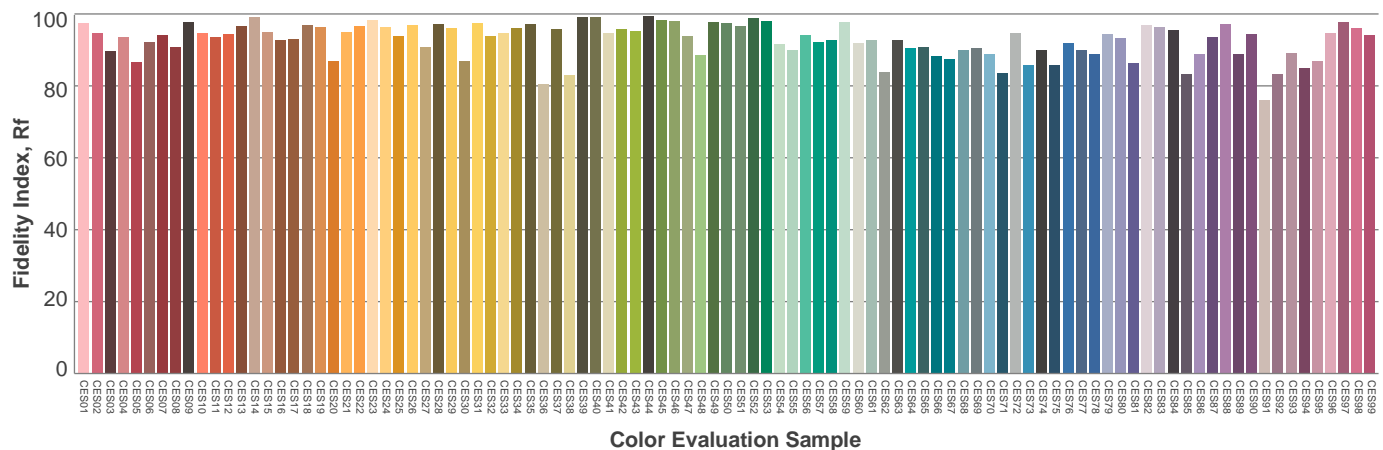
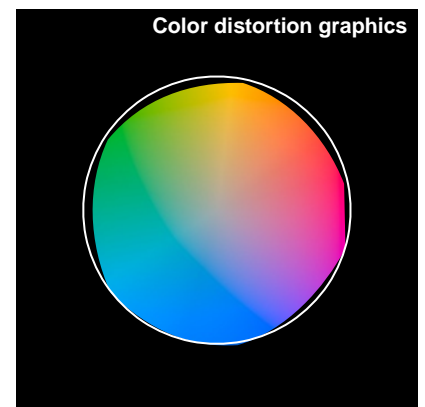
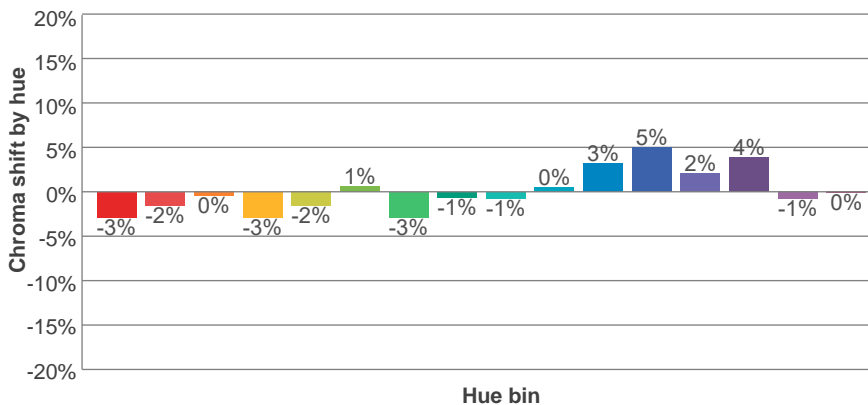
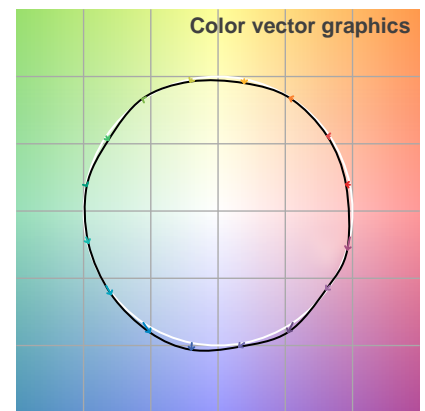
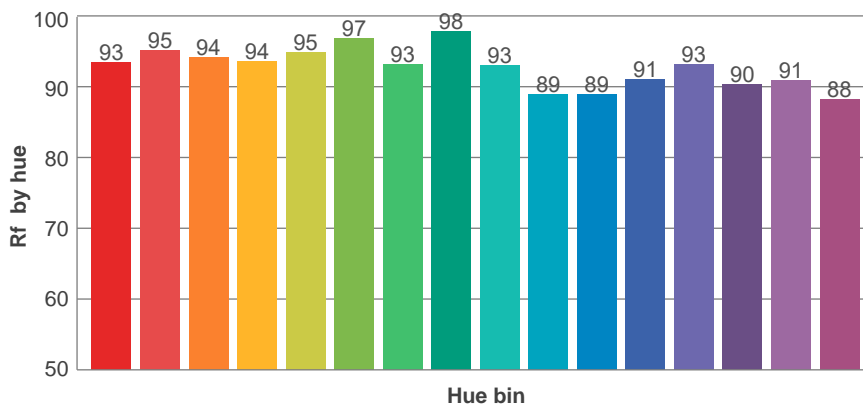
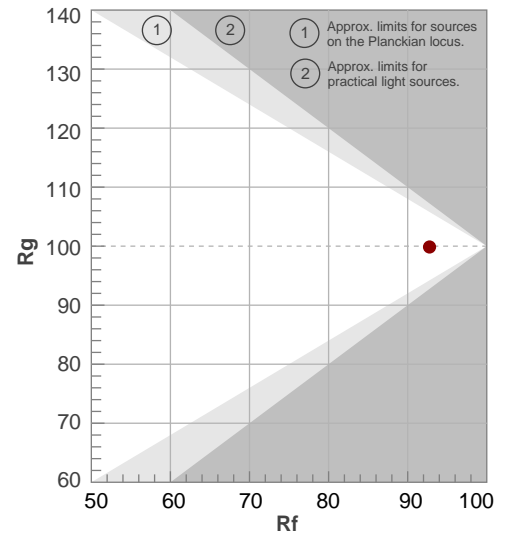
Rf 92.8

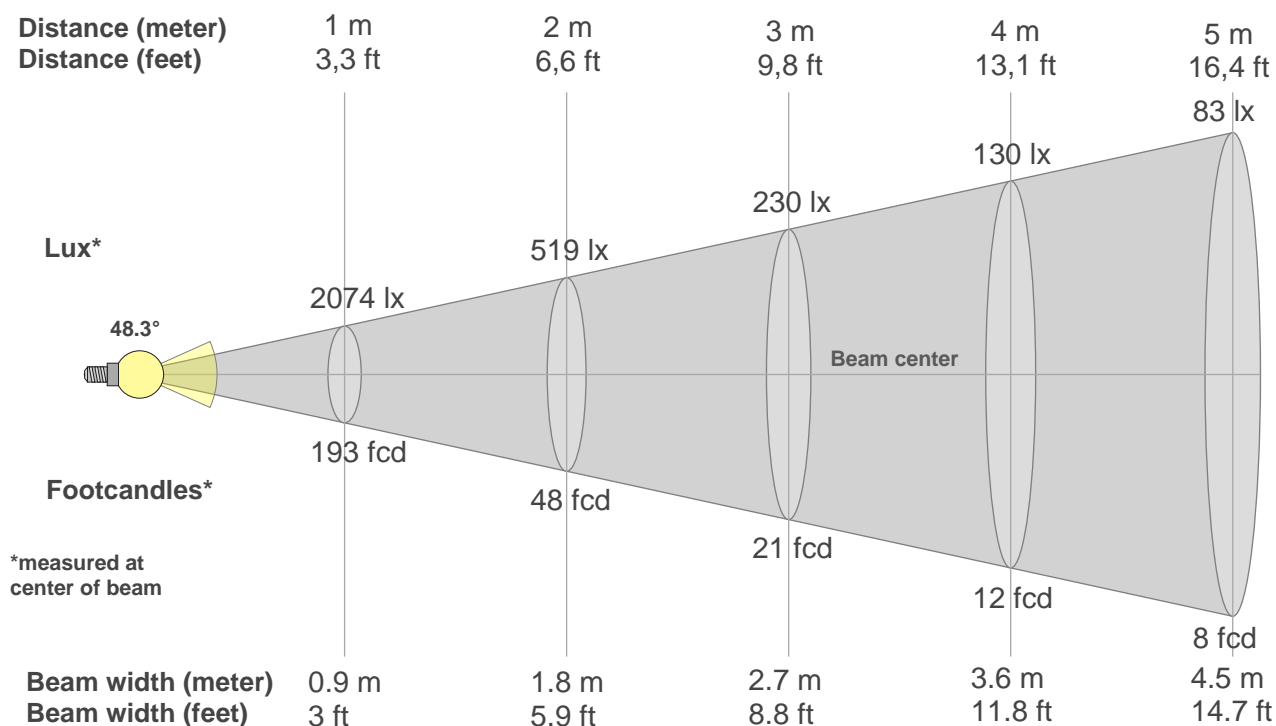
Fidelity index Rf

Rg 99.9

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	0%	3%
4	94	-3%	-1%
5	95	-2%	1%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	4%
10	89	0%	7%
11	89	3%	8%
12	91	5%	1%
13	93	2%	-4%
14	90	4%	-7%
15	91	-1%	-4%
16	88	0%	-9%





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
2074lx	519lx	230lx	130lx	83lx	58lx	42lx	32lx	26lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
192.7fcd	48.2fcd	21.4fcd	12fcd	7.7fcd	5.4fcd	3.9fcd	3fcd	2.4fcd	1.9fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd

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°
2074	2064	2032	1983	1918	1838	1744	1636	1522	1403	1280	1157	1035	918	808	704	607	519	443	375
100%	100%	98%	96%	92%	89%	84%	79%	73%	68%	62%	56%	50%	44%	39%	34%	29%	25%	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°
2074	2062	2032	1985	1922	1842	1749	1645	1533	1416	1298	1178	1060	946	836	732	636	550	472	402
100%	99%	98%	96%	93%	89%	84%	79%	74%	68%	63%	57%	51%	46%	40%	35%	31%	27%	23%	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°
2074	2063	2034	1987	1921	1840	1743	1636	1522	1403	1279	1156	1035	918	807	703	606	520	444	375
100%	99%	98%	96%	93%	89%	84%	79%	73%	68%	62%	56%	50%	44%	39%	34%	29%	25%	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°
2074	2066	2037	1990	1928	1851	1759	1655	1543	1425	1303	1181	1061	943	831	726	628	539	461	392
100%	100%	98%	96%	93%	89%	85%	80%	74%	69%	63%	57%	51%	45%	40%	35%	30%	26%	22%	19%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.3°	89.8°	115.4°	98.1%	90.1%