

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 93.0

Color temperature:

3023 K

Output: 1136 lm

Peak: 2165 cd

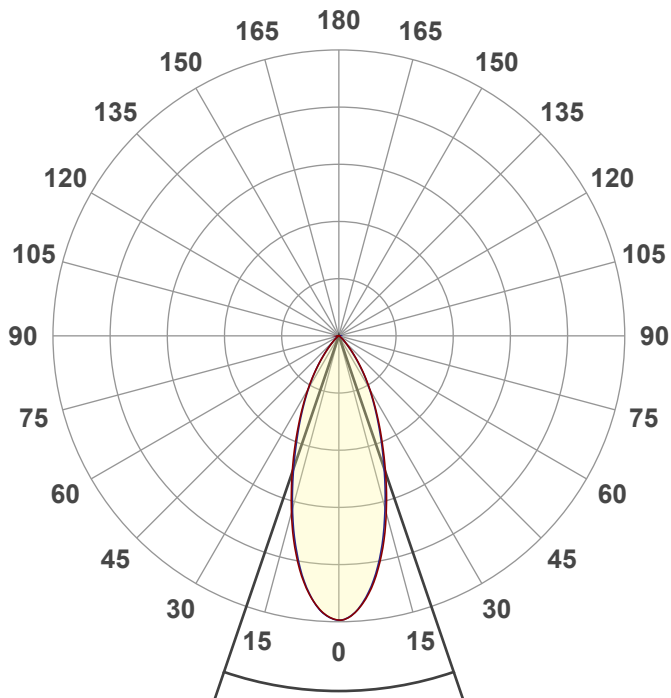
Power: 15.5 W

PF: 0.97



NU4-RD-TW-10LM-2765-95-35D-HET-WH-WH

Date and time:
3/30/2023 10:39:50 AM



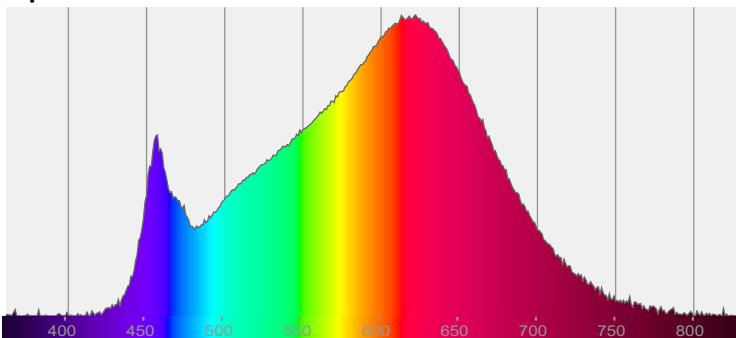
Beam angle

37.7°

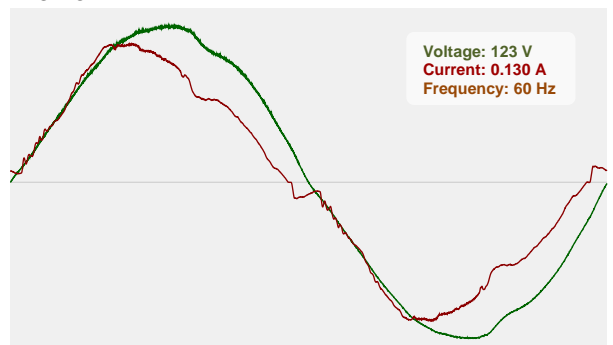


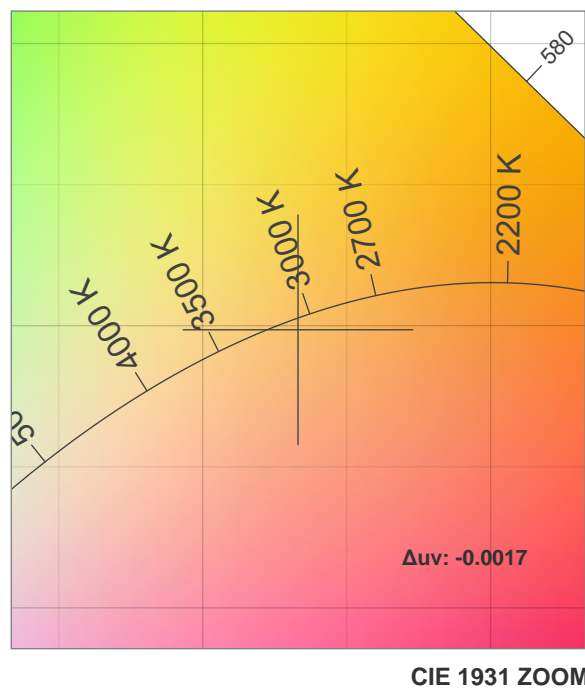
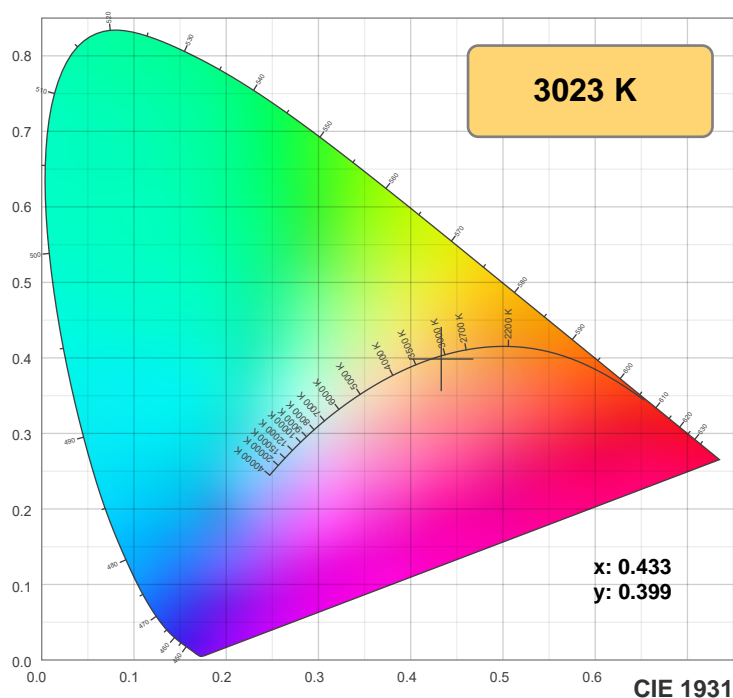
CIE 1931
x: 0.433
y: 0.399

Spectra

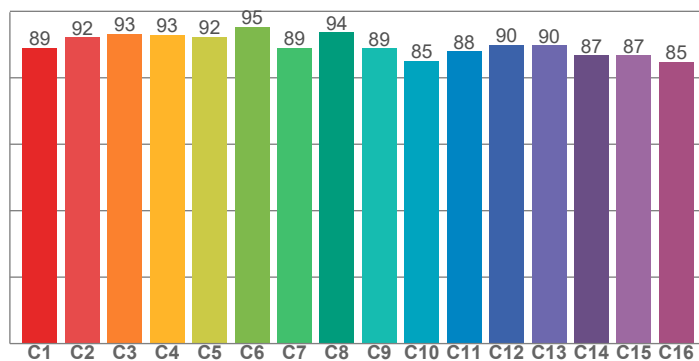


Power

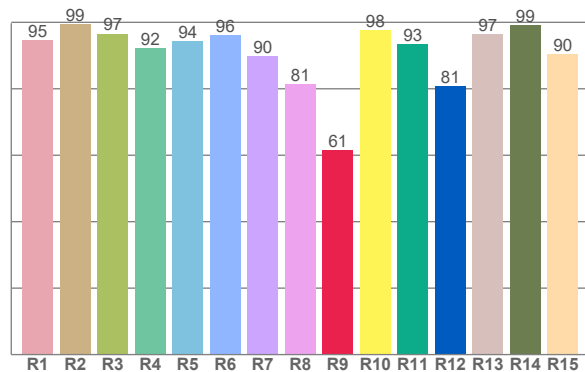




TM30: 90.1



CRI: 93.0 (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
94.7	99.4	96.6	92.1	94.3	96.0	89.7	81.3	61.4	97.7	93.5	80.7	96.5	99.1	90.5

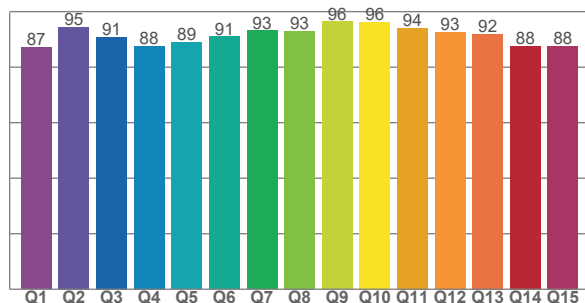
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.0	92.2	93.2	93.0	92.4	95.4	89.1	93.7	88.8	85.1	88.0	90.0	89.7	86.7	86.8	84.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.1	94.5	90.9	87.6	89.0	91.0	93.2	93.0	96.5	96.3	94.1	92.6	91.9	87.5	87.6

CQS: 90.9



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
3023 K	93.0	61.4	90.1	96.9	90.9	0.433	0.399	0.250	0.346	-0.0017

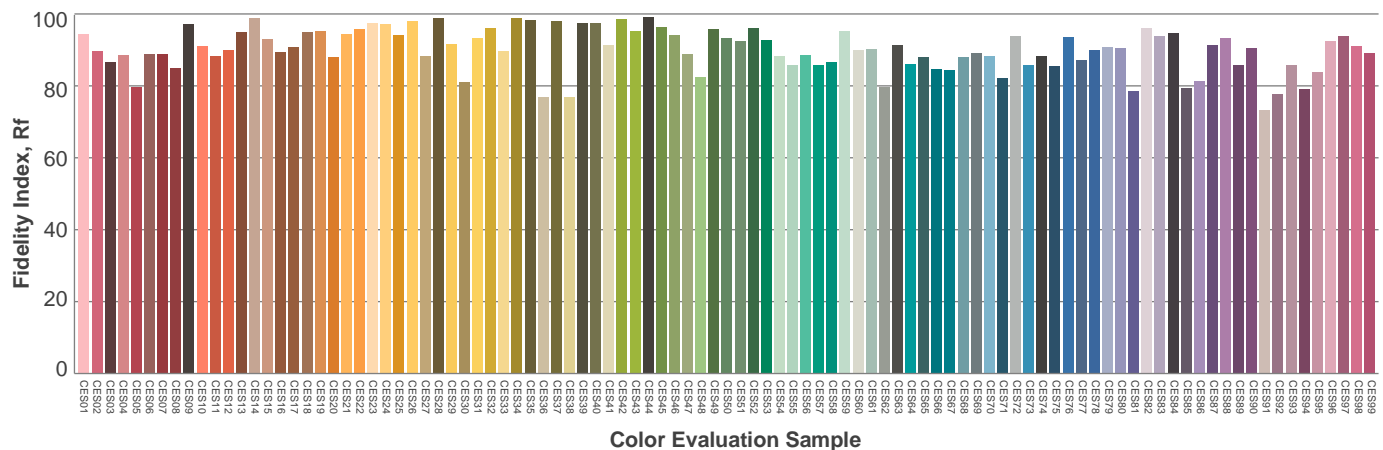
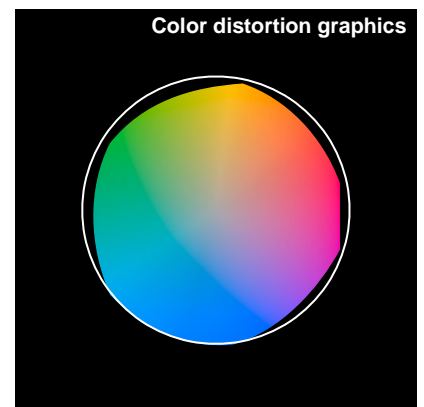
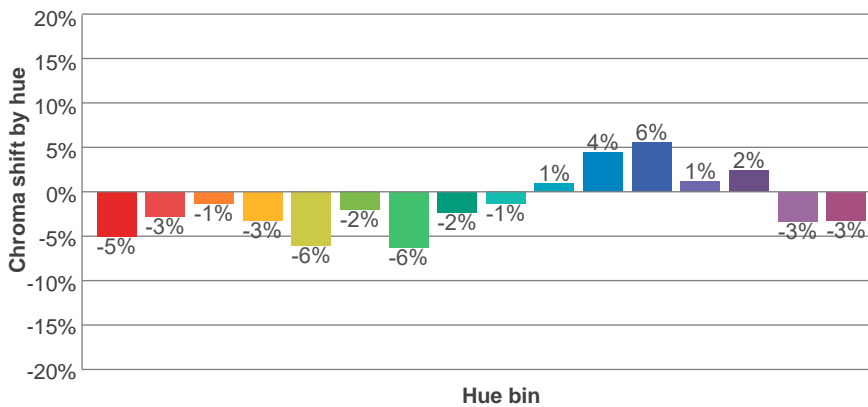
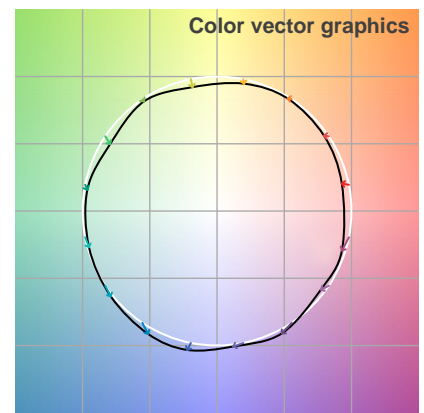
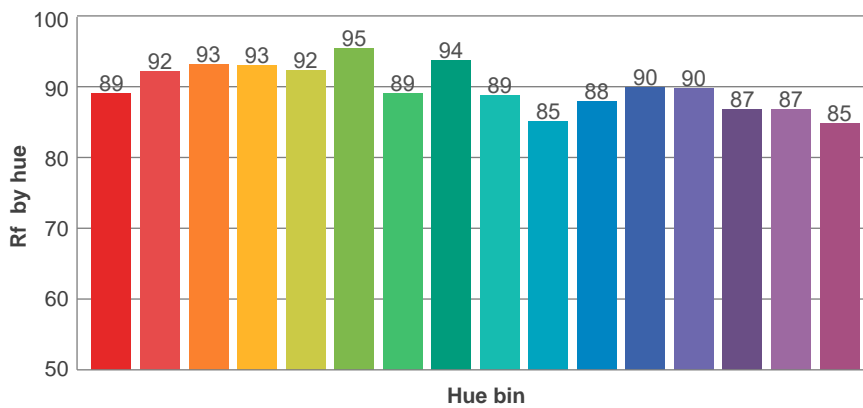
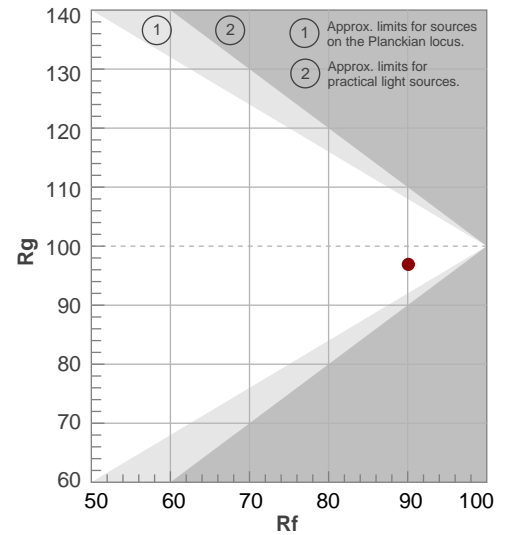
Rf 90.1

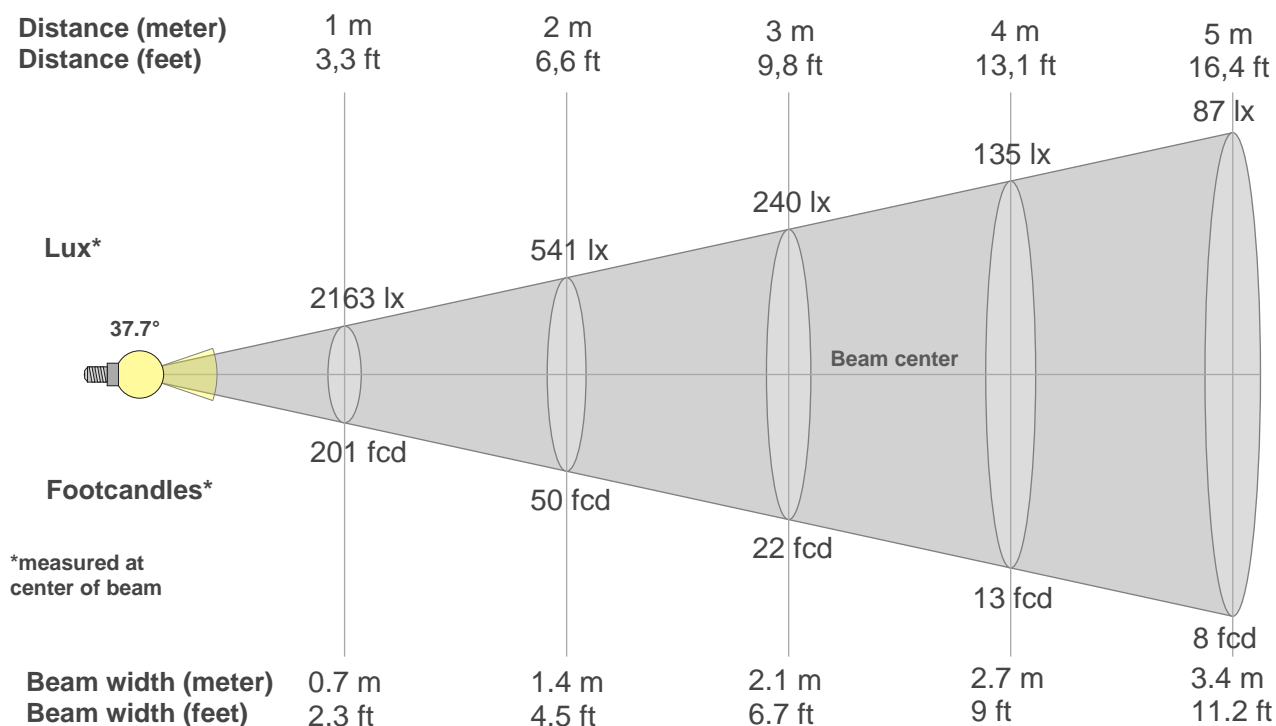
Fidelity index Rf

Rg 96.9

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	2%
2	92	-3%	2%
3	93	-1%	3%
4	93	-3%	-1%
5	92	-6%	0%
6	95	-2%	0%
7	89	-6%	3%
8	94	-2%	3%
9	89	-1%	8%
10	85	1%	9%
11	88	4%	8%
12	90	6%	-2%
13	90	1%	-8%
14	87	2%	-10%
15	87	-3%	-6%
16	85	-3%	-11%





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
2163lx	541lx	240lx	135lx	87lx	60lx	44lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	8lx	7lx	7lx	6lx	5lx
200.9fcd	50.2fcd	22.3fcd	12.6fcd	8fcd	5.6fcd	4.1fcd	3.1fcd	2.5fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	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°
2163	2146	2089	2005	1900	1770	1627	1474	1317	1165	1018	886	766	658	562	475	396	324	258	200
100%	99%	97%	93%	88%	82%	75%	68%	61%	54%	47%	41%	35%	30%	26%	22%	18%	15%	12%	9%

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°
2163	2143	2085	1995	1884	1749	1600	1438	1281	1129	988	860	744	640	548	463	385	311	244	186
100%	99%	96%	92%	87%	81%	74%	66%	59%	52%	46%	40%	34%	30%	25%	21%	18%	14%	11%	9%

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°
2163	2141	2088	2005	1900	1772	1628	1474	1315	1163	1019	887	764	657	560	472	391	316	250	192
100%	99%	97%	93%	88%	82%	75%	68%	61%	54%	47%	41%	35%	30%	26%	22%	18%	15%	12%	9%

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°
2163	2143	2090	2002	1890	1753	1603	1445	1284	1129	985	855	740	636	543	459	382	310	245	187
100%	99%	97%	93%	87%	81%	74%	67%	59%	52%	46%	40%	34%	29%	25%	21%	18%	14%	11%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37.7°	74.2°	91.7°	99.4%	96.8%