

Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 93.2

Color temperature:

3063 K

Output: 1127 lm

Peak: 1914 cd

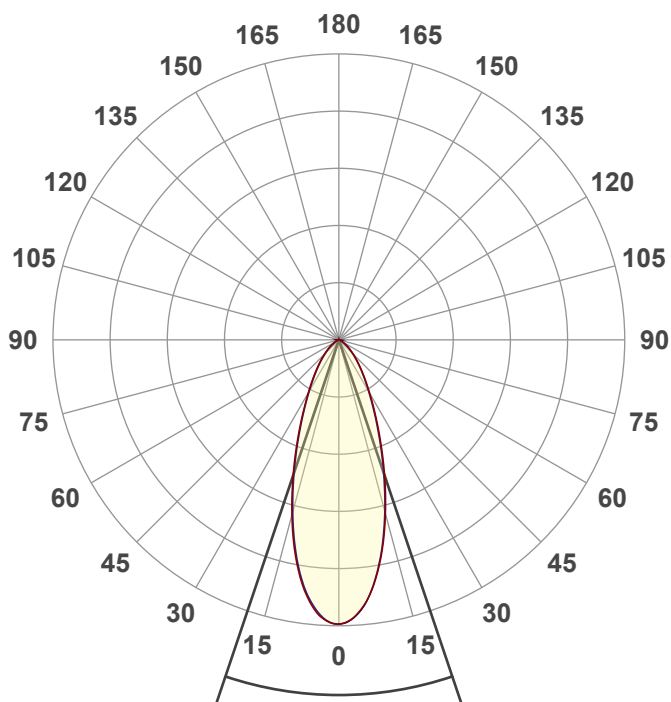
Power: 15.7 W

PF: 0.97



NU4-RD-TW-10LM-2765-95-15D-DL-WH-WH

Date and time:
3/29/2023 1:43:18 PM



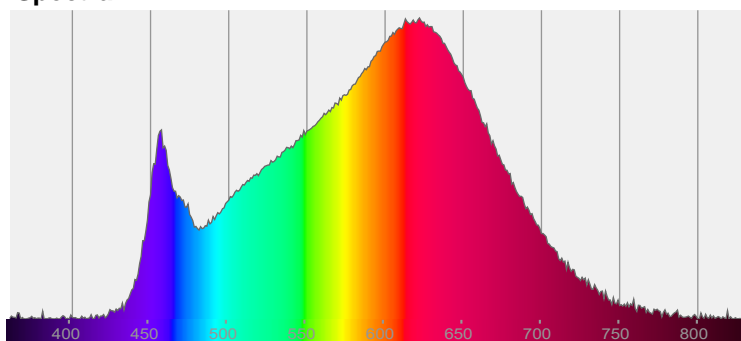
Beam angle

37.2°

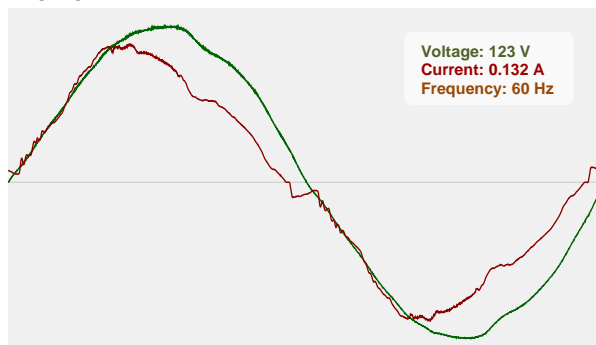


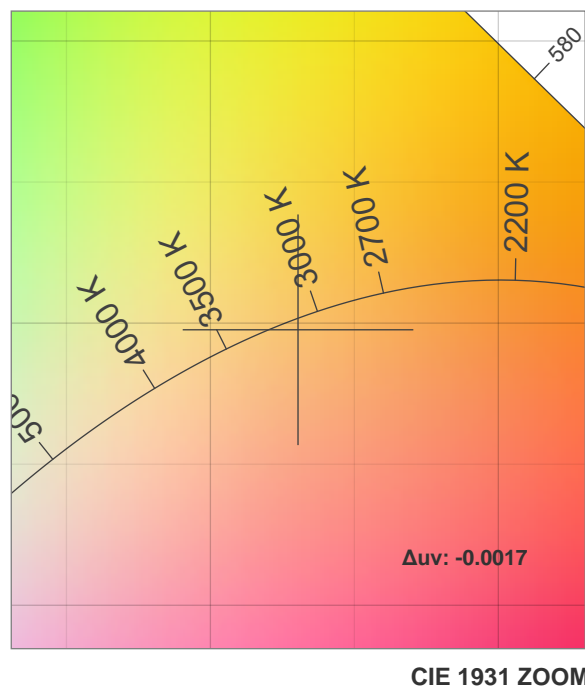
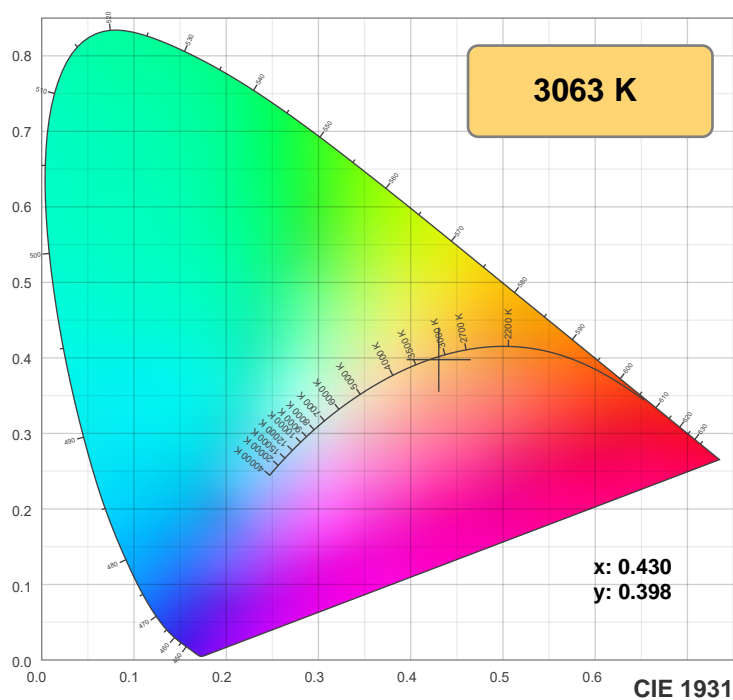
CIE 1931
x: 0.430
y: 0.398

Spectra

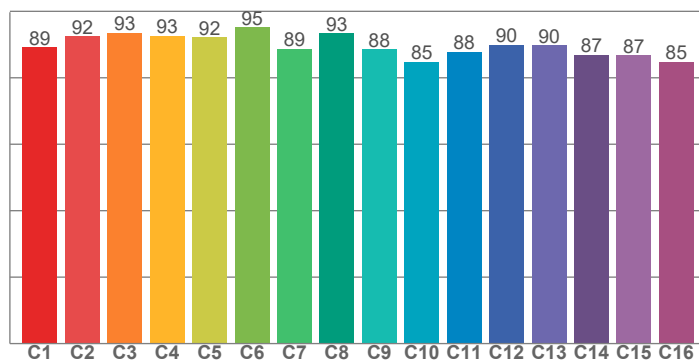


Power

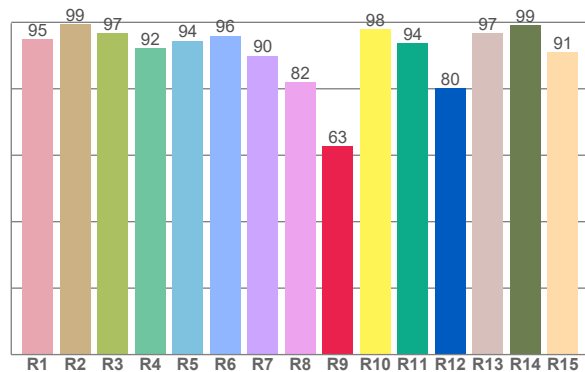




TM30: 90.0



CRI: 93.2 (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
95.0	99.4	96.7	92.3	94.5	95.9	89.9	82.0	62.8	98.0	93.6	80.2	96.8	99.2	91.0

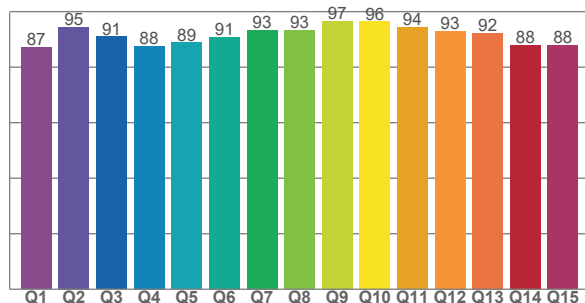
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.1	92.4	93.5	92.7	92.1	95.2	88.6	93.4	88.5	84.9	87.8	90.0	89.8	86.8	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	91.0	87.6	88.9	90.9	93.4	93.3	96.6	96.5	94.4	92.9	92.3	88.0	87.9

CQS: 91.0



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
3063 K	93.2	62.8	90.0	96.9	91.0	0.430	0.398	0.249	0.345	-0.0017

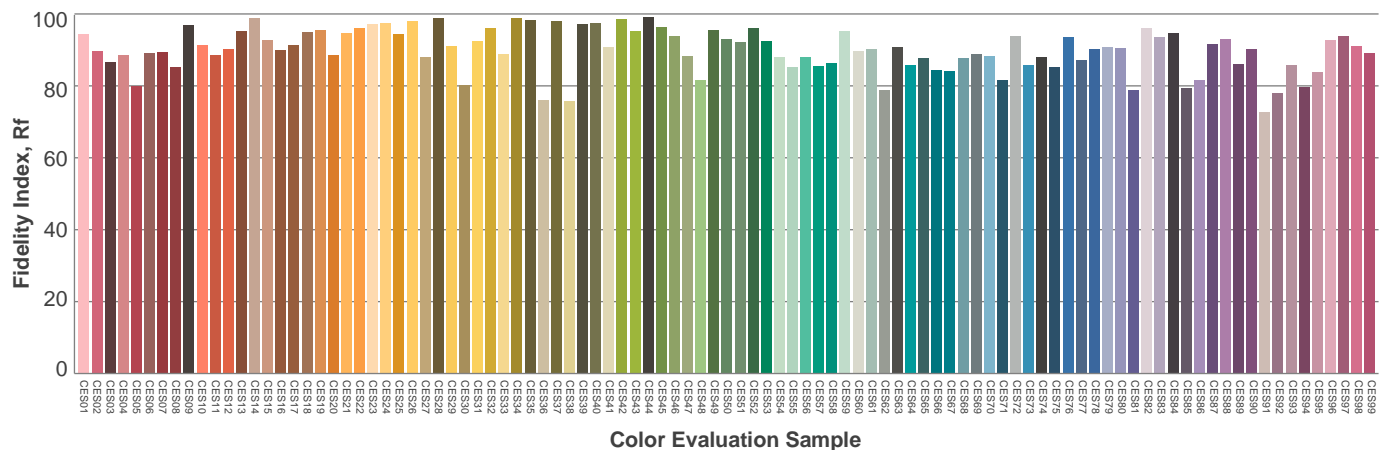
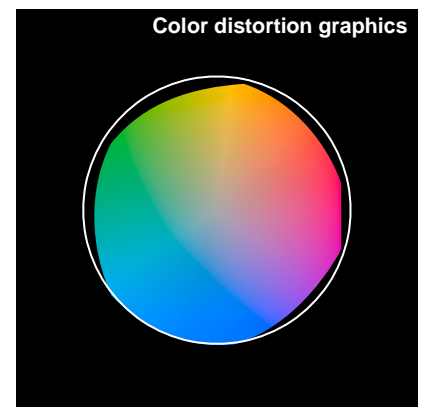
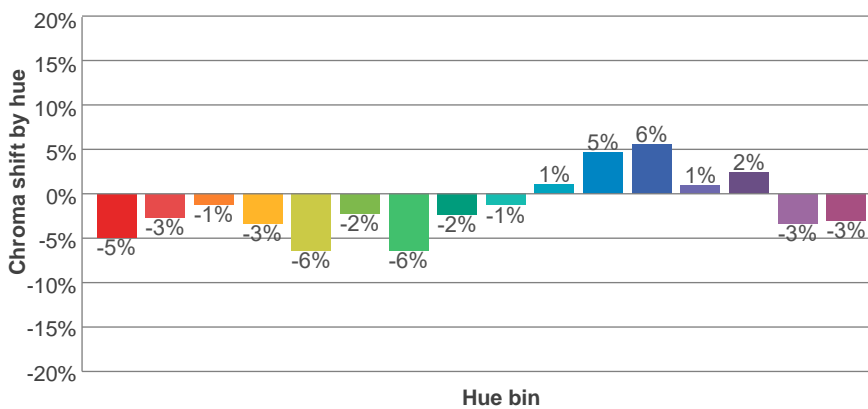
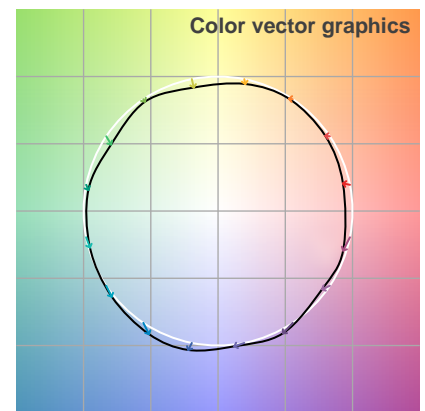
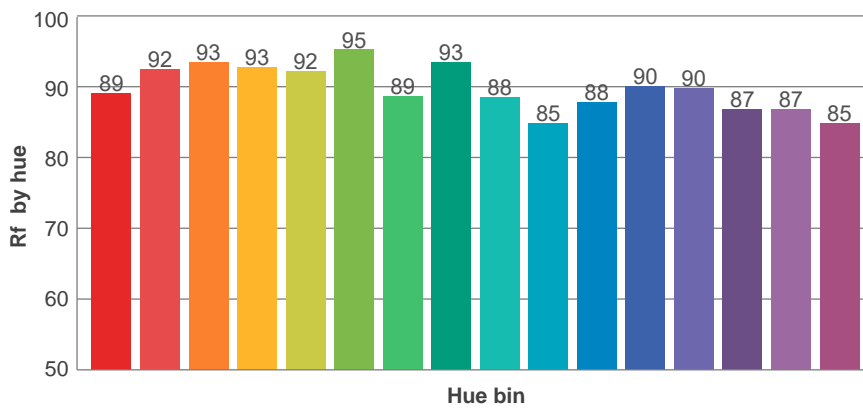
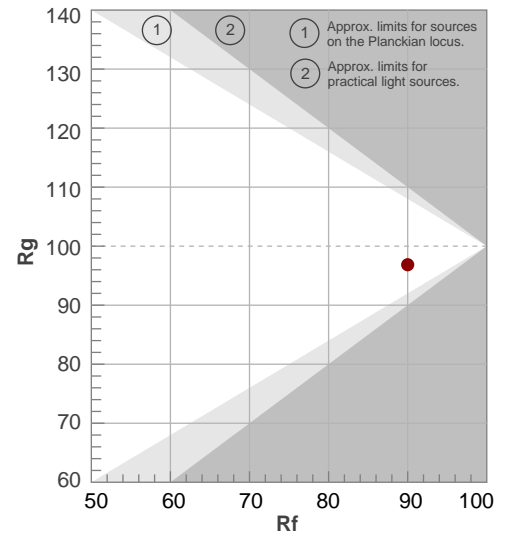
Rf 90.0

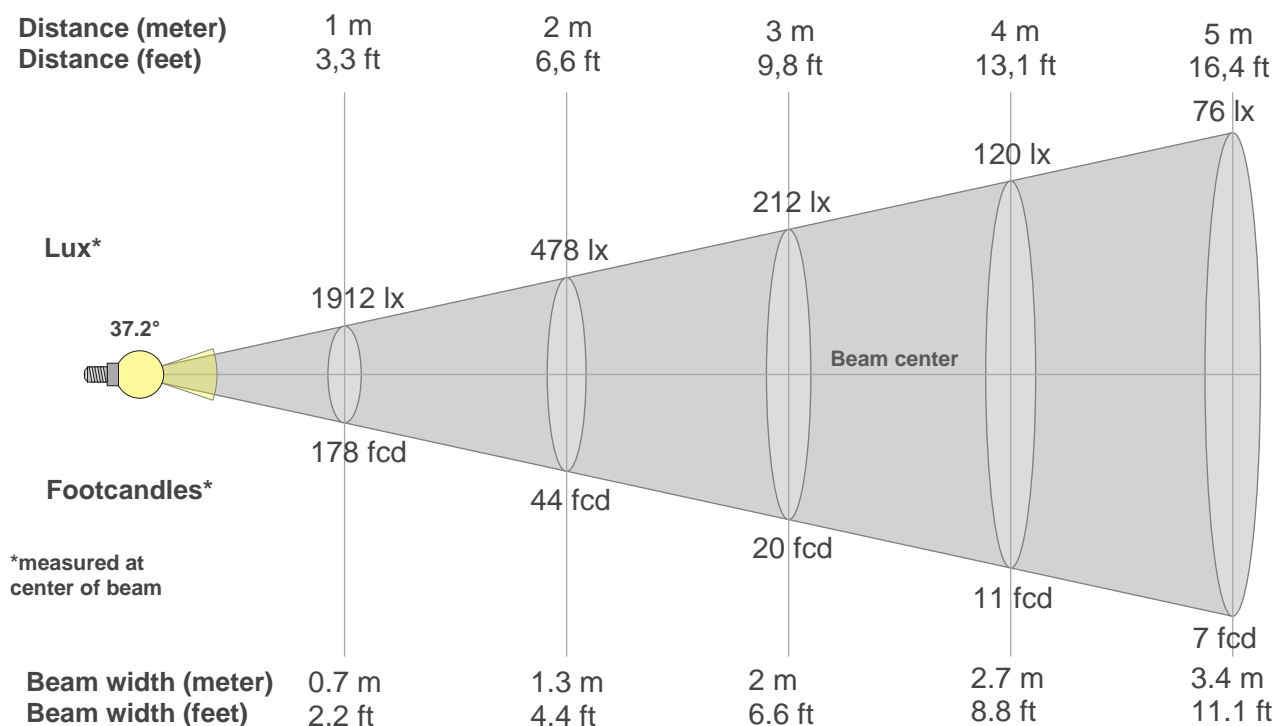
Fidelity index Rf

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	93	-2%	3%
9	88	-1%	8%
10	85	1%	9%
11	88	5%	8%
12	90	6%	-2%
13	90	1%	-8%
14	87	2%	-10%
15	87	-3%	-5%
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
1912lx	478lx	212lx	120lx	76lx	53lx	39lx	30lx	24lx	19lx	16lx	13lx	11lx	10lx	8lx	7lx	7lx	6lx	5lx	5lx
177.7fcd	44.4fcd	19.7fcd	11.1fcd	7.1fcd	4.9fcd	3.6fcd	2.8fcd	2.2fcd	1.8fcd	1.5fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

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°
1912	1892	1843	1771	1670	1551	1420	1281	1140	1005	876	756	652	560	482	414	358	311	268	232
100%	99%	96%	93%	87%	81%	74%	67%	60%	53%	46%	40%	34%	29%	25%	22%	19%	16%	14%	12%

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°
1912	1894	1846	1771	1665	1543	1409	1267	1124	985	856	738	634	544	467	403	348	301	261	225
100%	99%	97%	93%	87%	81%	74%	66%	59%	52%	45%	39%	33%	28%	24%	21%	18%	16%	14%	12%

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°
1912	1900	1861	1788	1691	1572	1437	1293	1148	1007	874	754	647	555	476	411	356	309	268	232
100%	99%	97%	93%	88%	82%	75%	68%	60%	53%	46%	39%	34%	29%	25%	21%	19%	16%	14%	12%

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°
1912	1897	1850	1775	1677	1556	1419	1273	1126	986	854	736	630	539	464	399	344	297	256	222
100%	99%	97%	93%	88%	81%	74%	67%	59%	52%	45%	38%	33%	28%	24%	21%	18%	16%	13%	12%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37.2°	80.8°	111.4°	98.2%	89.9%