

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 93.0

Color temperature:

3010 K

Output: 1130 lm

Peak: 5077 cd

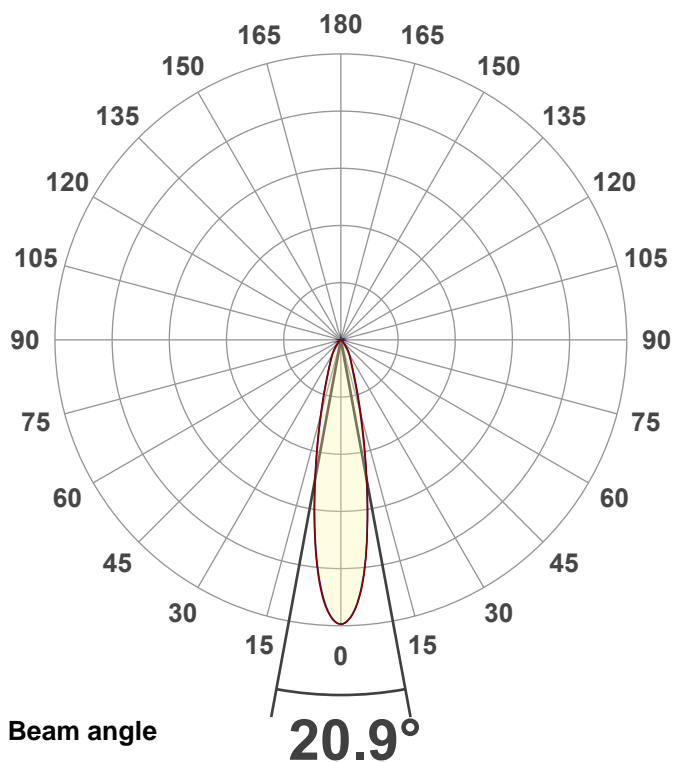
Power: 15.4 W

PF: 0.97



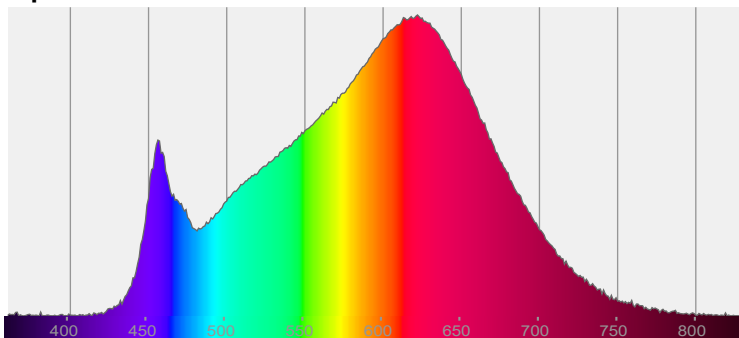
NU4-RD-TW-10LM-2765-95-15D-HET-WH-WH

Date and time:  
3/30/2023 11:11:14 AM

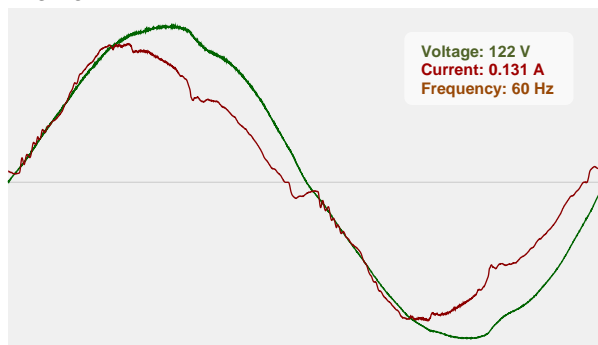


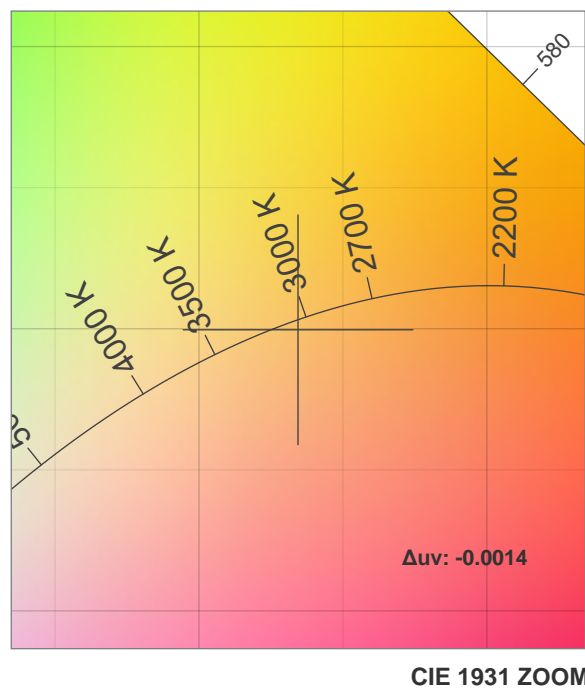
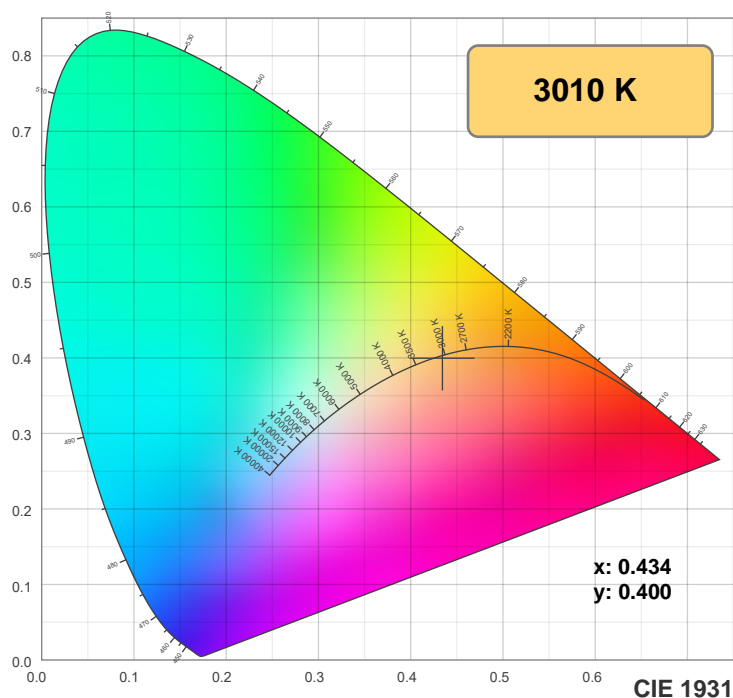
CIE 1931  
x: 0.434  
y: 0.400

Spectra

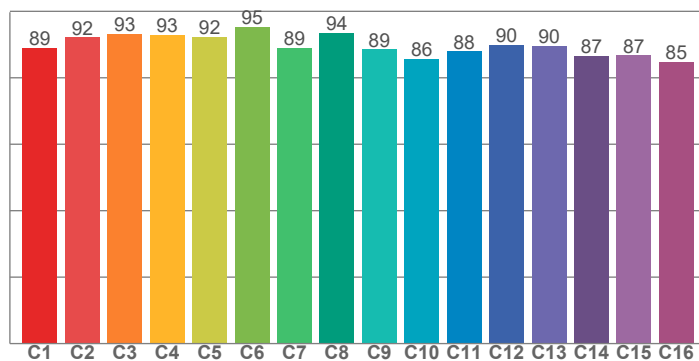


Power

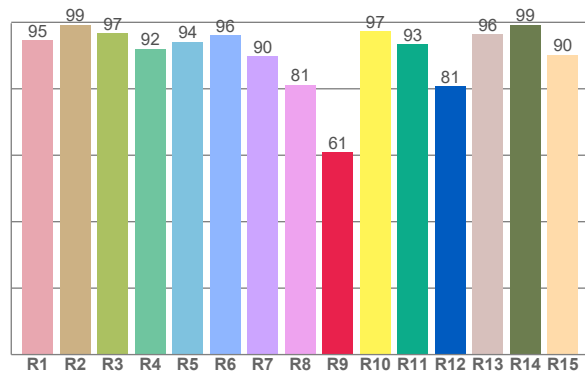




TM30: 90.0



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
94.5	99.3	96.8	92.0	94.1	96.2	89.8	81.2	60.9	97.3	93.4	80.7	96.3	99.2	90.3

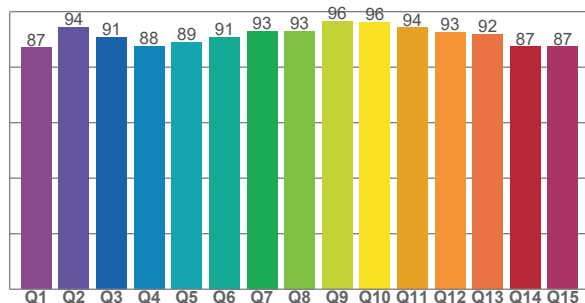
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.9	92.2	93.2	92.9	92.3	95.3	89.0	93.6	88.6	85.8	87.9	89.9	89.7	86.7	86.7	84.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.0	94.5	90.9	87.6	88.9	90.9	93.1	93.1	96.5	96.3	94.2	92.7	92.0	87.4	87.5

CQS: 90.8



## 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	$\Delta uv$
3010 K	93.0	60.9	90.0	96.9	90.8	0.434	0.400	0.251	0.346	-0.0014

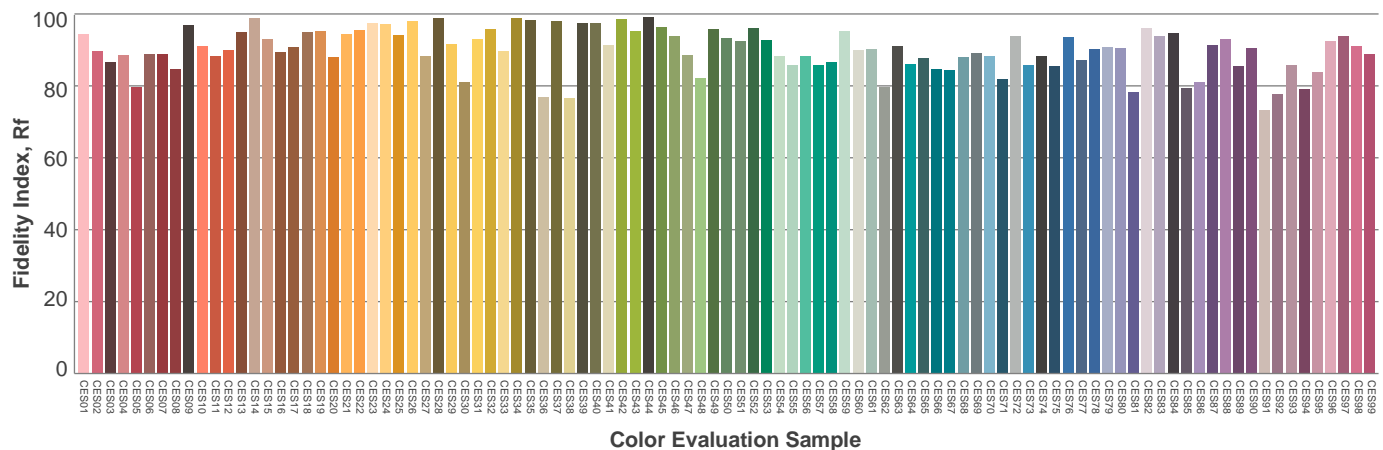
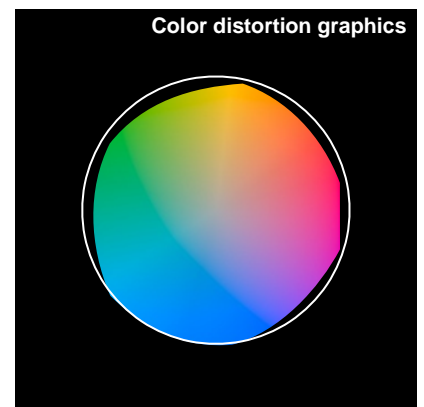
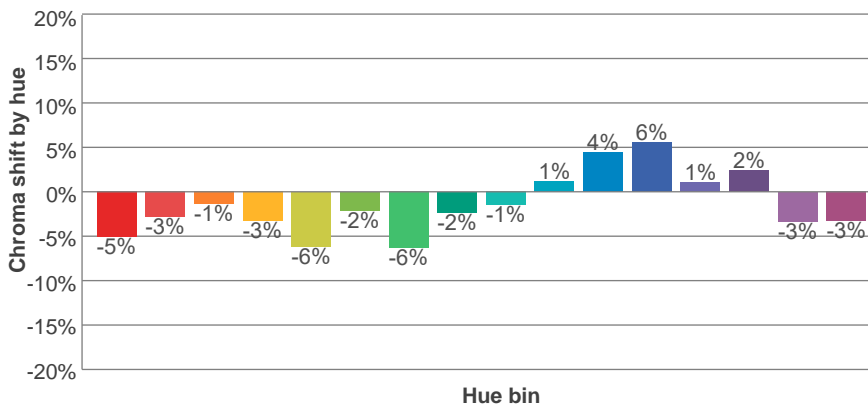
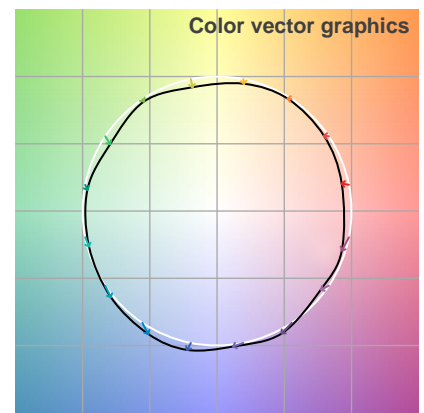
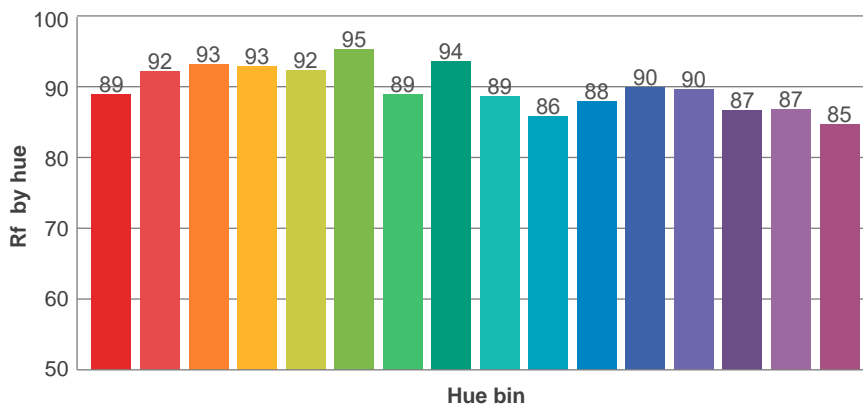
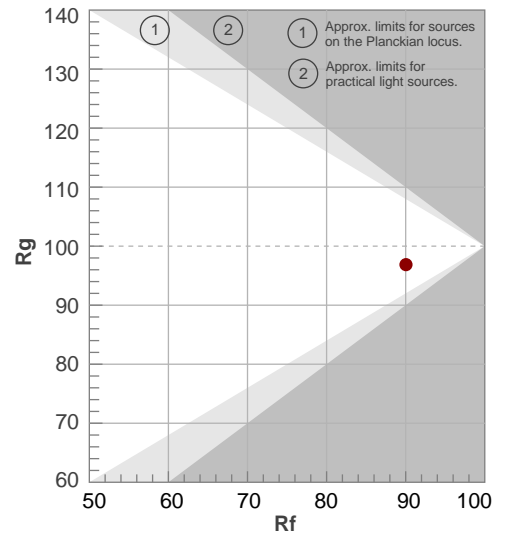
**Rf 90.0**

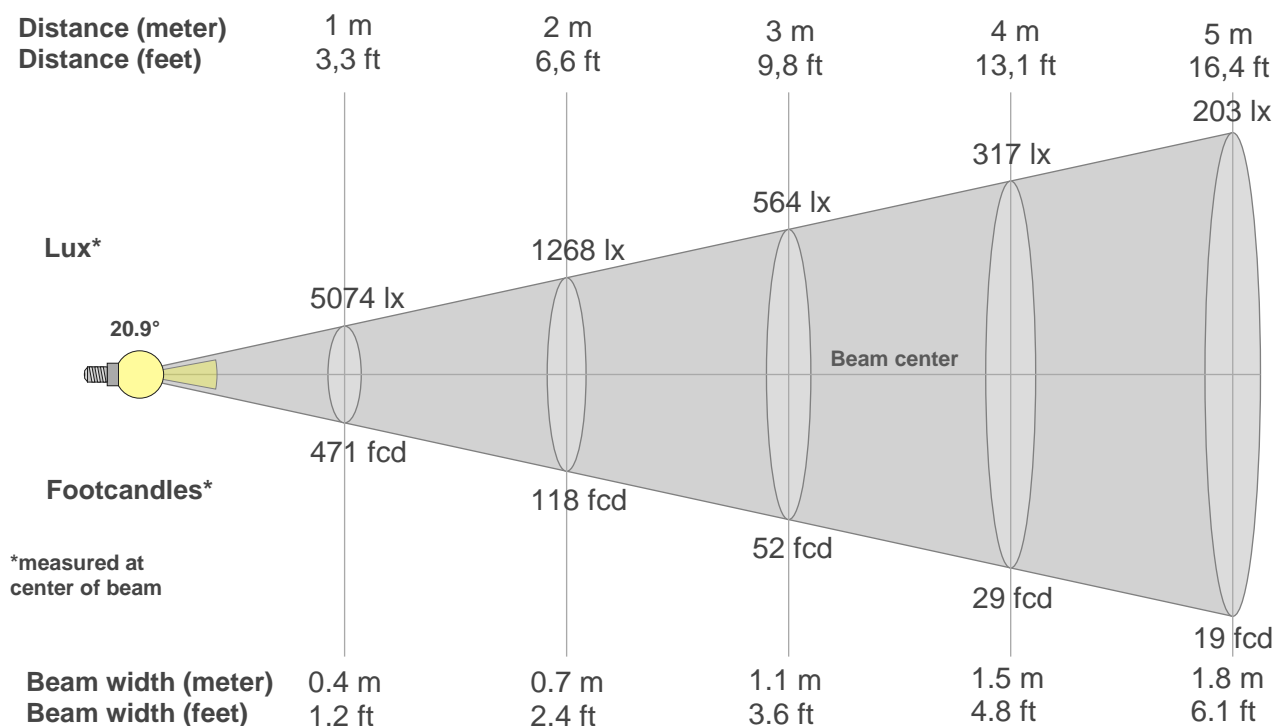
Fidelity index Rf

**Rg 96.9**

Gammut index Rg

Hue Bin	R <sub>f</sub>	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%	7%
10	86	1%	9%
11	88	4%	8%
12	90	6%	-2%
13	90	1%	-8%
14	87	2%	-11%
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
5074lx	1268lx	564lx	317lx	203lx	141lx	104lx	79lx	63lx	51lx	42lx	35lx	30lx	26lx	23lx	20lx	18lx	16lx	14lx	13lx
471.4fcd	117.8fcd	52.4fcd	29.5fcd	18.9fcd	13.1fcd	9.6fcd	7.4fcd	5.8fcd	4.7fcd	3.9fcd	3.3fcd	2.8fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.5fcd	1.3fcd	1.2fcd

#### 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°
5074	4959	4631	4094	3395	2700	2083	1586	1206	921	719	578	480	409	353	304	260	218	178	139
100%	98%	91%	81%	67%	53%	41%	31%	24%	18%	14%	11%	9%	8%	7%	6%	5%	4%	3%	3%

#### 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°
5074	4954	4616	4073	3390	2674	2033	1516	1127	846	656	532	445	385	334	291	250	208	166	129
100%	98%	91%	80%	67%	53%	40%	30%	22%	17%	13%	10%	9%	8%	7%	6%	5%	4%	3%	3%

#### 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°
5074	4955	4614	4063	3386	2699	2097	1607	1226	945	743	602	501	423	364	311	262	218	176	137
100%	98%	91%	80%	67%	53%	41%	32%	24%	19%	15%	12%	10%	8%	7%	6%	5%	4%	3%	3%

#### 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°
5074	4948	4584	4026	3353	2670	2055	1560	1180	905	710	575	480	412	355	307	260	216	173	134
100%	98%	90%	79%	66%	53%	41%	31%	23%	18%	14%	11%	9%	8%	7%	6%	5%	4%	3%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20.9°	46.5°	76.9°	99.5%	97.6%