

Light efficiency:

79 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3026 K

Output: 1965 lm

Peak: 5712 cd

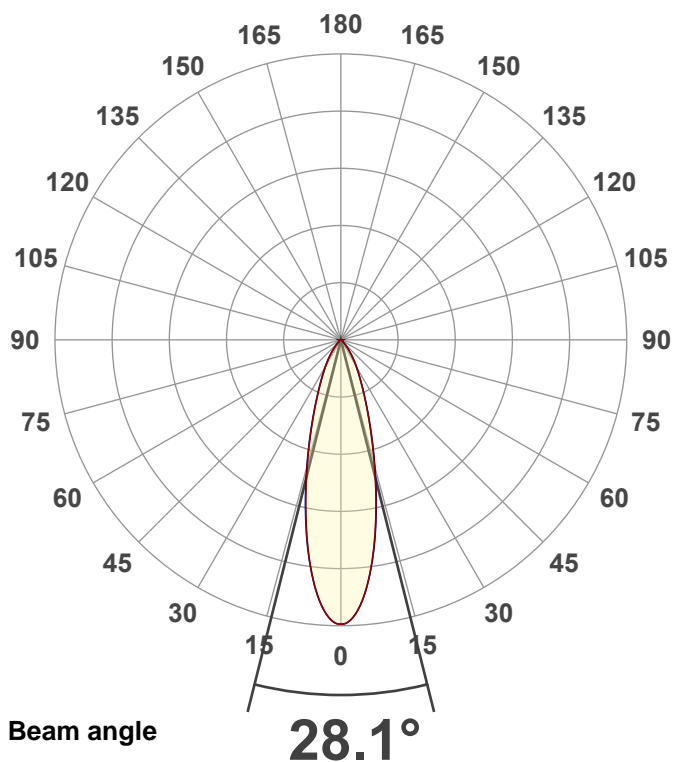
Power: 24.9 W

PF: 0.98



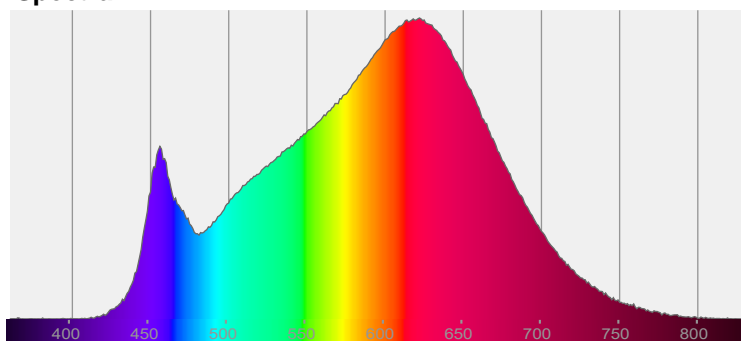
NU4-RD-TW-20LM-2765-95-25D-HET-WH-WH

Date and time:  
3/27/2023 1:28:12 PM

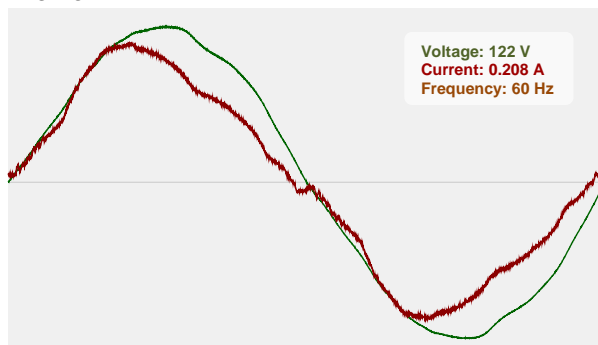


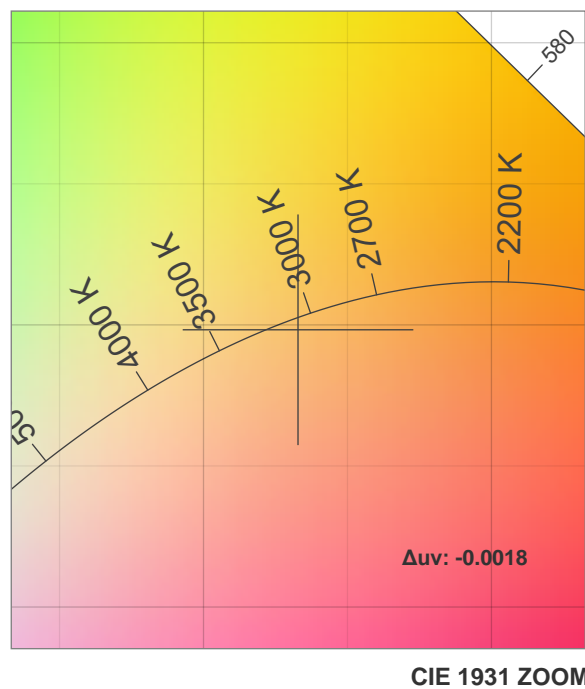
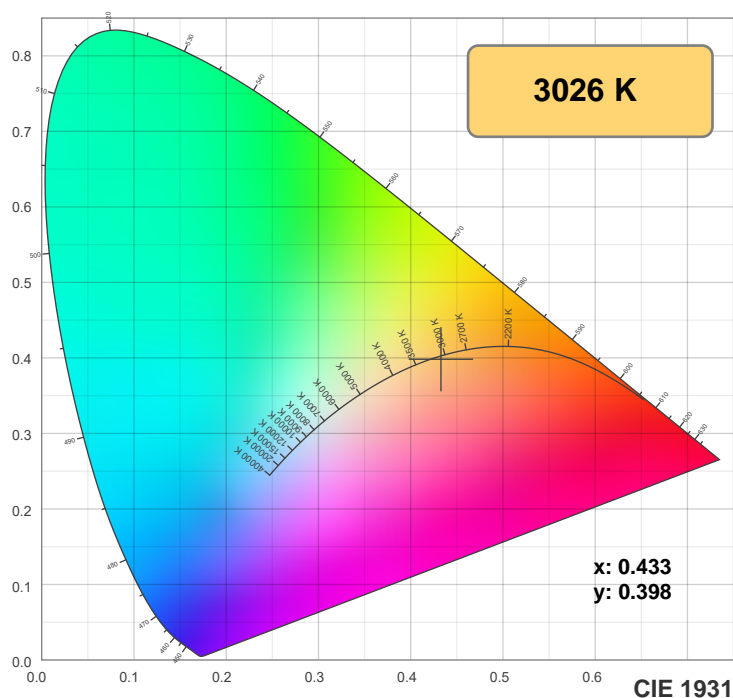
CIE 1931  
x: 0.433  
y: 0.398

Spectra

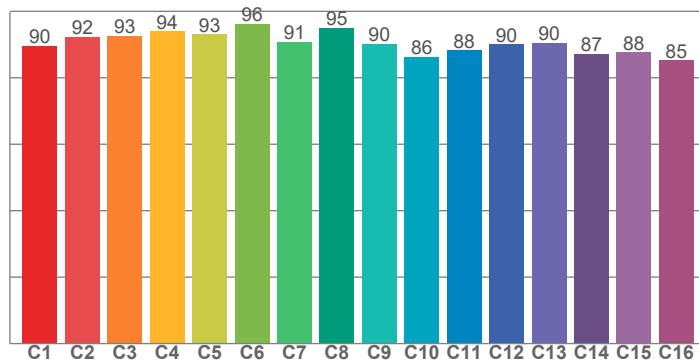


Power

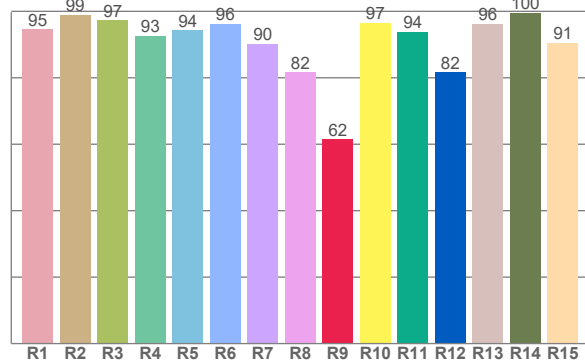




TM30: 90.7



CRI: 93.3 (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
94.6	99.0	97.3	92.6	94.3	96.3	90.3	81.7	61.6	96.6	93.8	81.6	96.2	99.6	90.5

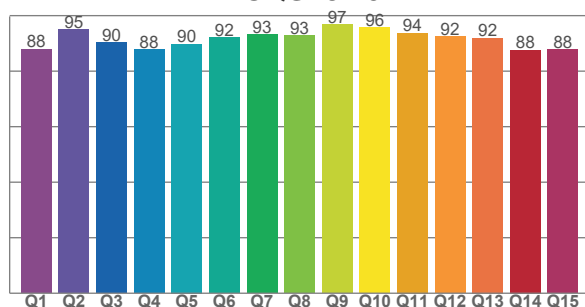
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.7	92.3	92.5	93.9	93.0	96.2	90.9	95.0	90.2	86.3	88.3	90.1	90.4	87.1	87.6	85.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.9	94.9	90.3	87.7	89.9	92.0	93.1	92.8	96.8	95.7	93.8	92.4	91.9	87.6	87.7

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	$\Delta uv$
3026 K	93.3	61.6	90.7	97.6	91.0	0.433	0.398	0.250	0.346	-0.0018

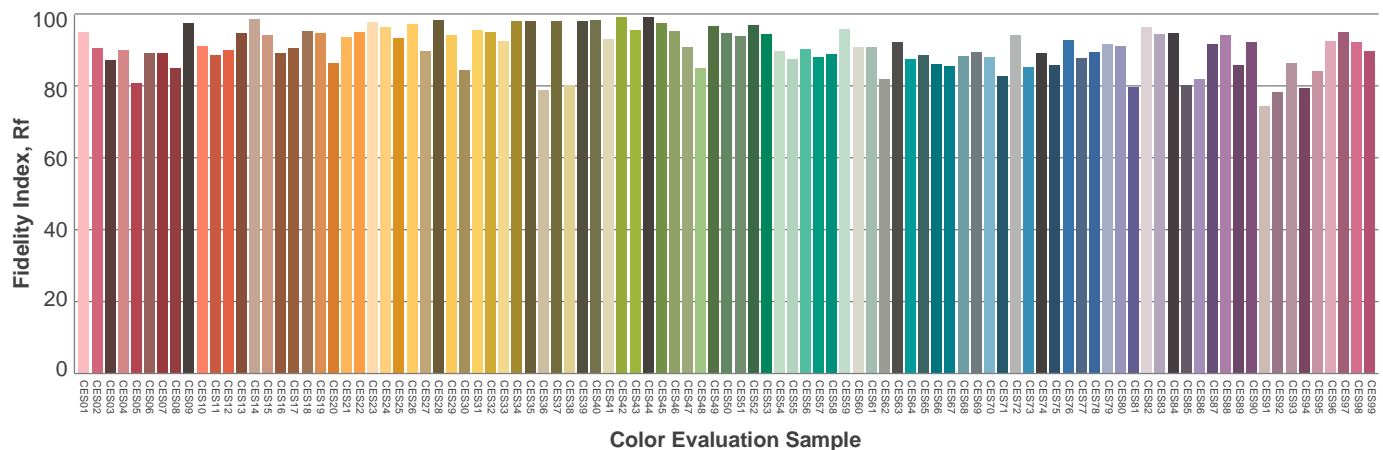
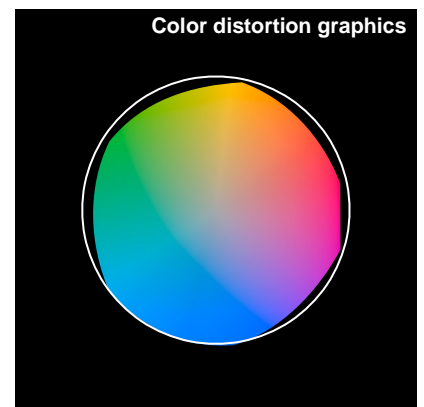
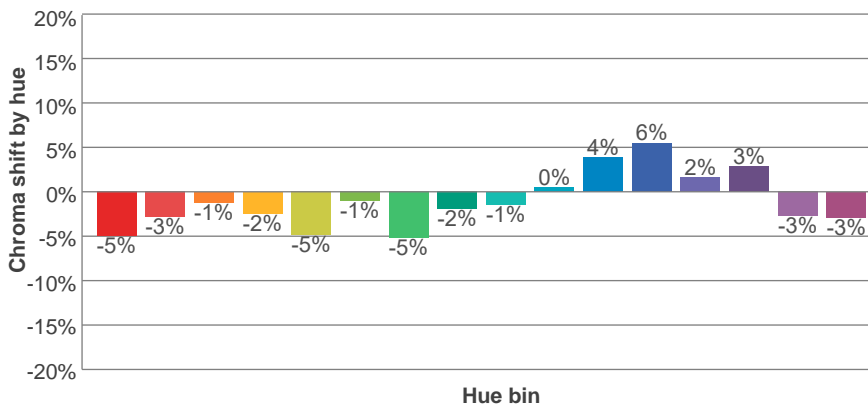
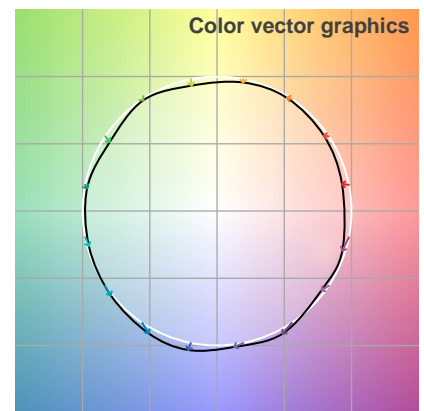
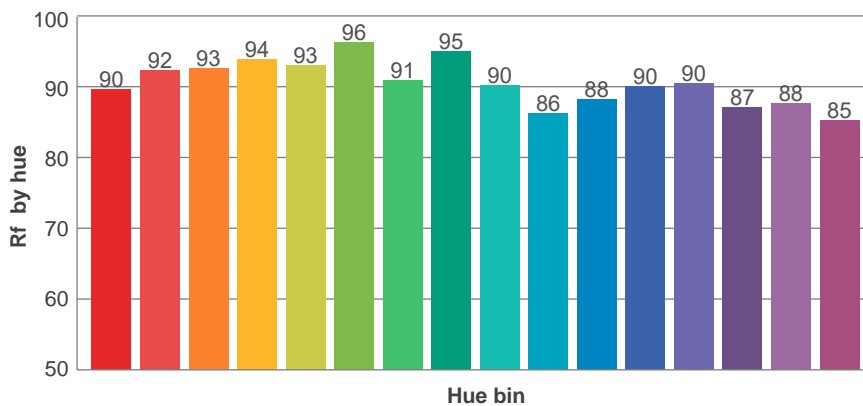
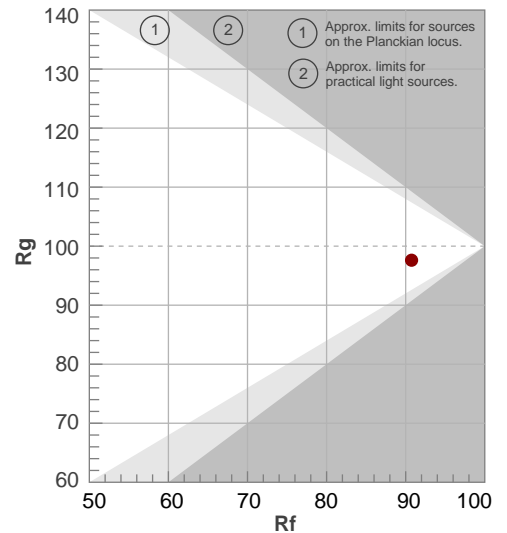
**Rf 90.7**

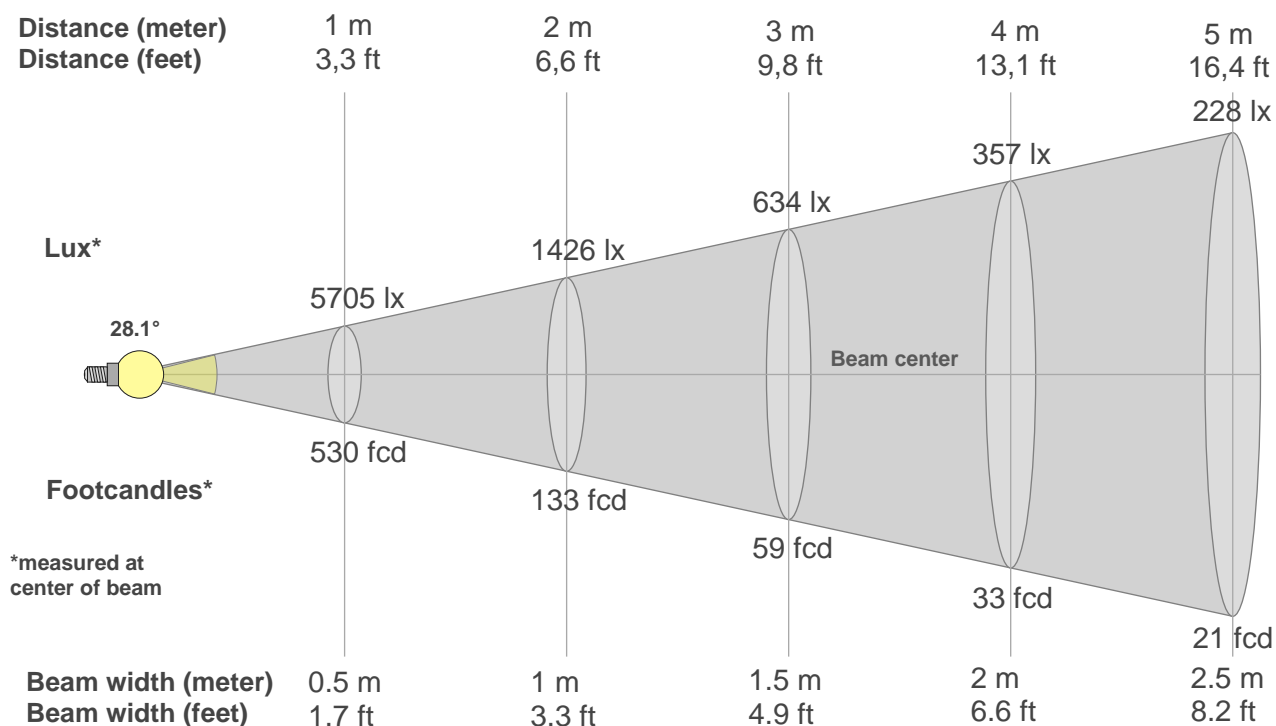
Fidelity index Rf

**Rg 97.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	1%
2	92	-3%	2%
3	93	-1%	3%
4	94	-2%	0%
5	93	-5%	0%
6	96	-1%	0%
7	91	-5%	2%
8	95	-2%	2%
9	90	-1%	7%
10	86	0%	8%
11	88	4%	8%
12	90	6%	-1%
13	90	2%	-7%
14	87	3%	-10%
15	88	-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
5705lx	1426lx	634lx	357lx	228lx	158lx	116lx	89lx	70lx	57lx	47lx	40lx	34lx	29lx	25lx	22lx	20lx	18lx	16lx	14lx
530.1fc	132.5fc	58.9fc	33.1fc	21.2fc	14.7fc	10.8fc	8.3fc	6.5fc	5.3fc	4.4fc	3.7fc	3.1fc	2.7fc	2.4fc	2.1fc	1.8fc	1.6fc	1.5fc	1.3fc

#### 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°
5705	5621	5369	4978	4491	3947	3390	2853	2371	1950	1598	1311	1078	894	745	620	512	415	328	252
100%	99%	94%	87%	79%	69%	59%	50%	42%	34%	28%	23%	19%	16%	13%	11%	9%	7%	6%	4%

#### 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°
5705	5618	5364	4980	4498	3967	3418	2884	2399	1977	1617	1324	1088	900	748	620	507	410	323	250
100%	98%	94%	87%	79%	70%	60%	51%	42%	35%	28%	23%	19%	16%	13%	11%	9%	7%	6%	4%

#### 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°
5705	5621	5369	4978	4491	3947	3390	2853	2371	1950	1598	1311	1078	894	745	620	512	415	328	252
100%	99%	94%	87%	79%	69%	59%	50%	42%	34%	28%	23%	19%	16%	13%	11%	9%	7%	6%	4%

#### 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°
5705	5618	5364	4980	4498	3967	3418	2884	2399	1977	1617	1324	1088	900	748	620	507	410	323	250
100%	98%	94%	87%	79%	70%	60%	51%	42%	35%	28%	23%	19%	16%	13%	11%	9%	7%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28.1°	61.7°	83.4°	99.6%	97.6%