

Light efficiency:

40 Lumen/Watt

Light quality:

CRI: 91.5

Color temperature:

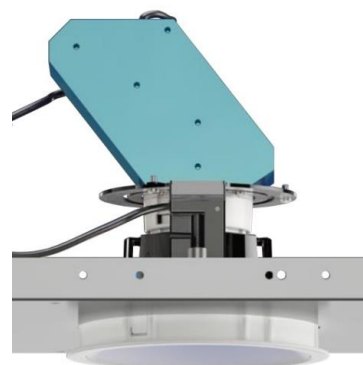
2985 K

Output: 1017 lm

Peak: 3806 cd

Power: 25.7 W

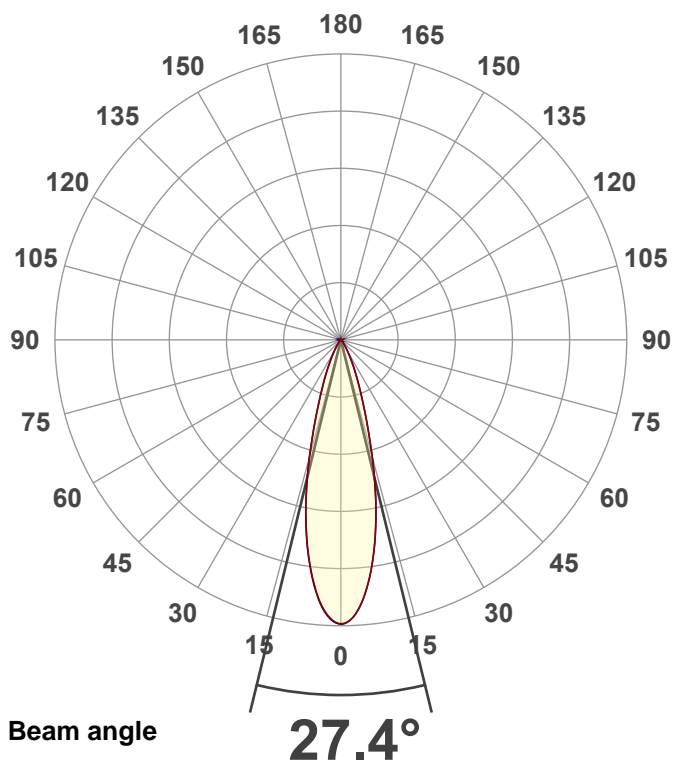
PF: 0.96



NU4-RD-RGBW-10LM-30K-90-25D-NL-WH-WH

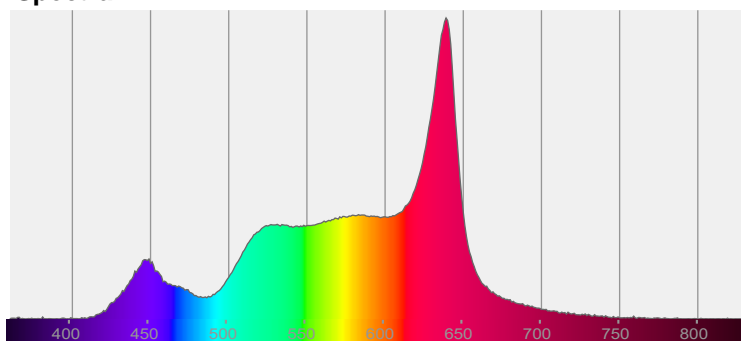
Date and time:

5/9/2022 11:03:01 AM

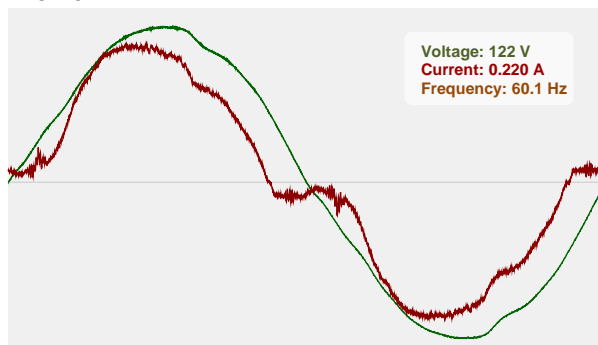


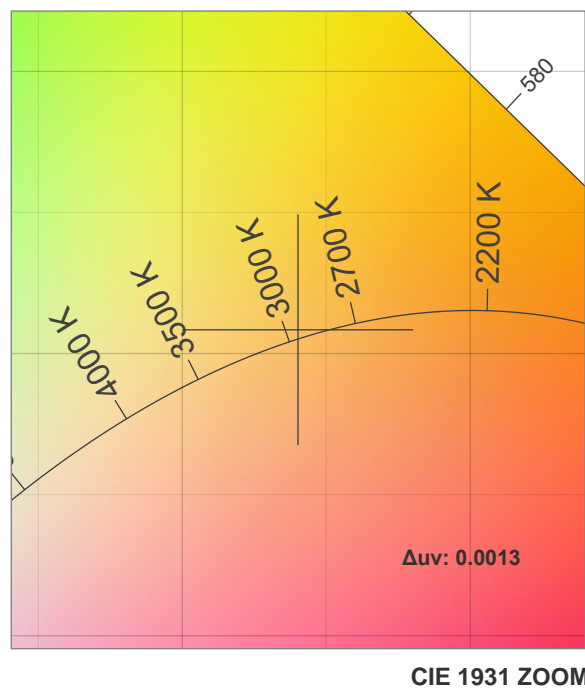
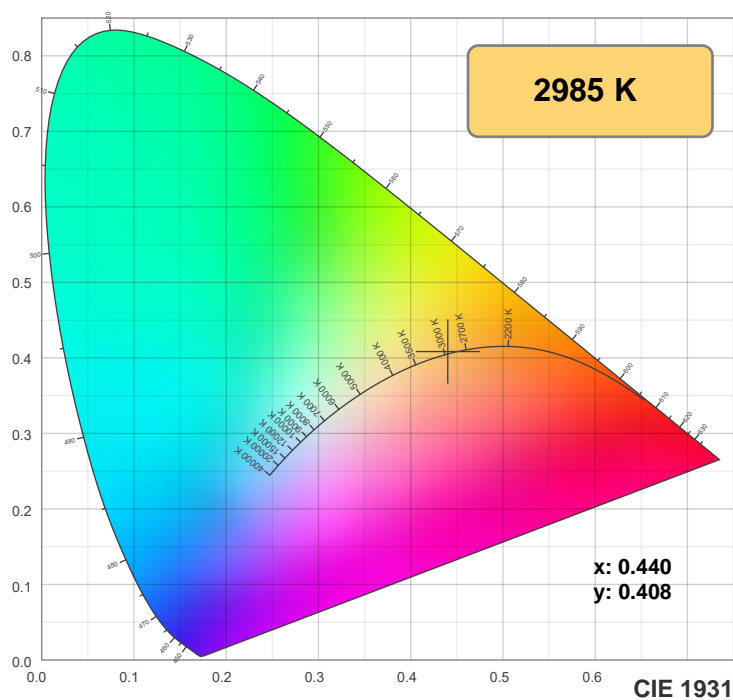
CIE 1931  
x: 0.440  
y: 0.408

Spectra

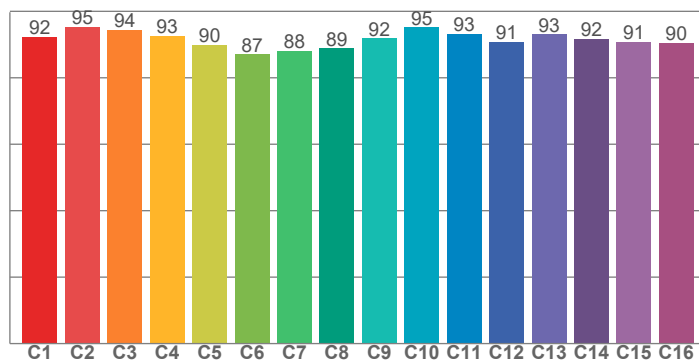


Power

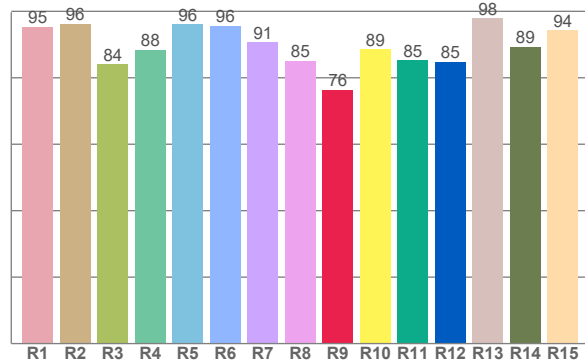




TM30: 91.9



CRI: 91.5 (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
95.3	96.3	84.1	88.5	96.2	95.6	90.7	85.1	76.4	88.5	85.3	84.8	98.0	89.3	94.3

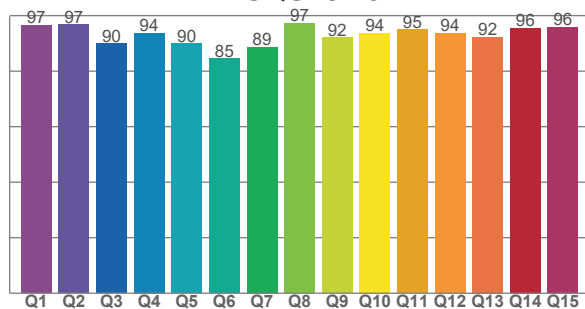
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.3	95.3	94.4	92.6	89.9	87.0	88.1	88.9	91.9	95.1	93.2	90.8	93.1	91.7	90.8	90.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.5	96.8	89.9	93.8	89.9	84.6	88.8	97.2	92.1	93.7	95.0	93.8	92.3	95.5	95.8

CQS: 92.0



## 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
2985 K	91.5	76.4	91.9	106.3	92.0	0.440	0.408	0.251	0.349	0.0013

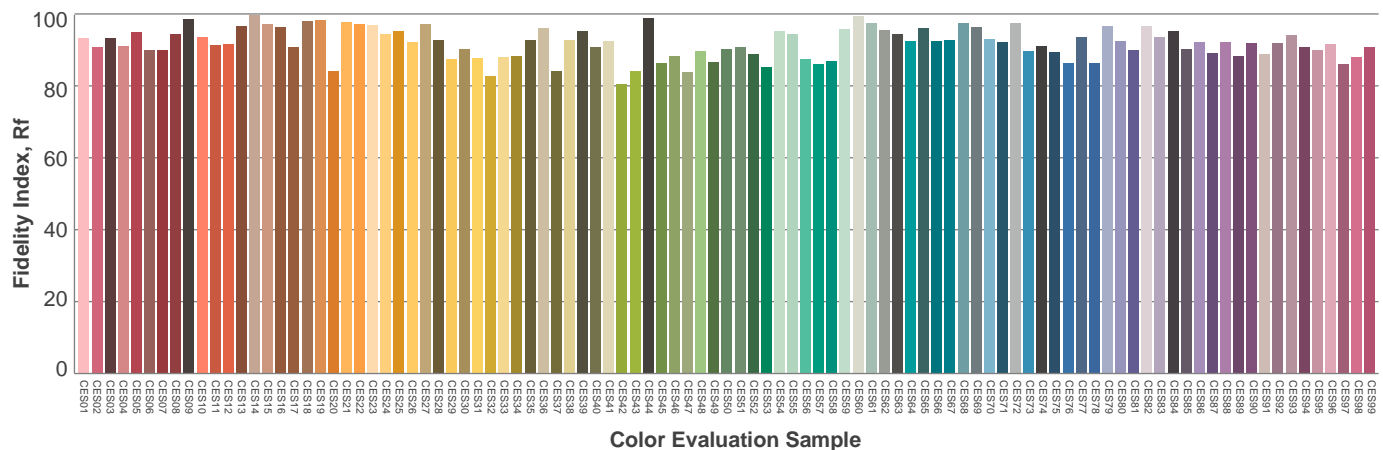
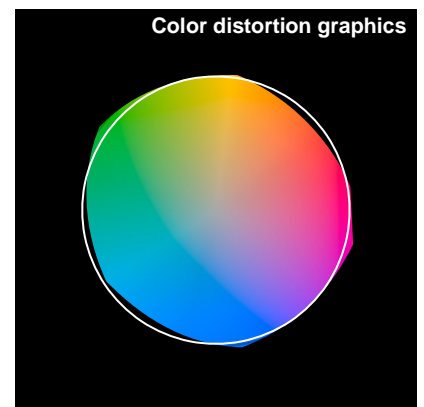
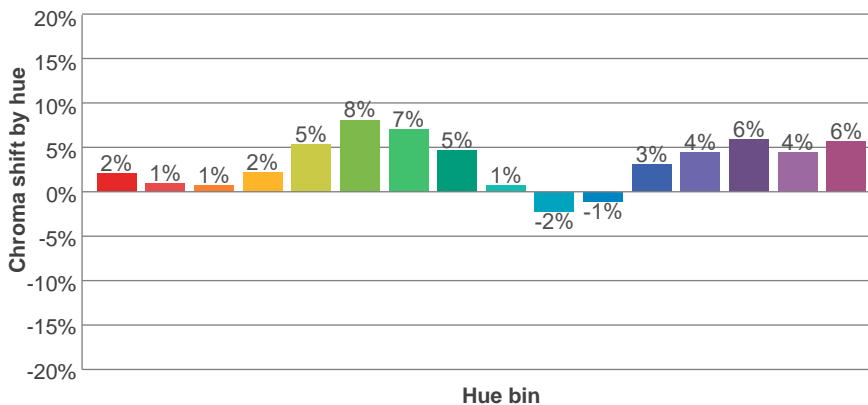
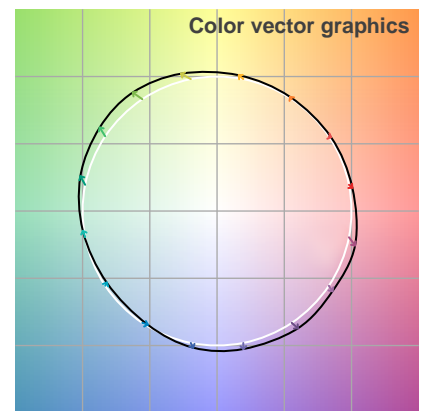
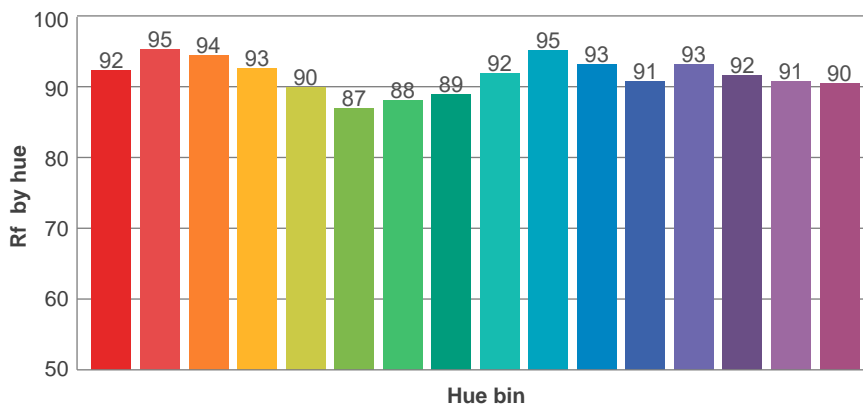
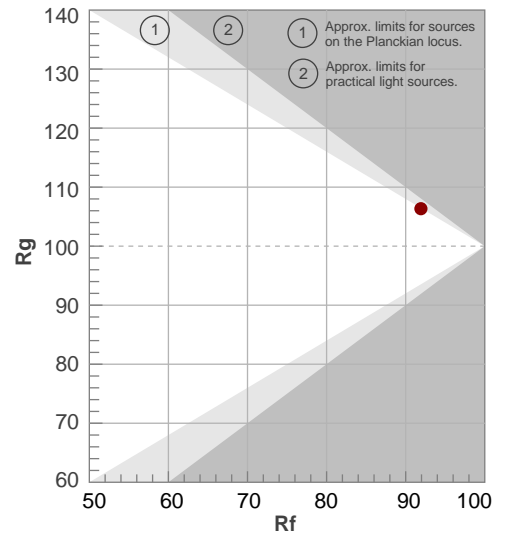
**Rf 91.9**

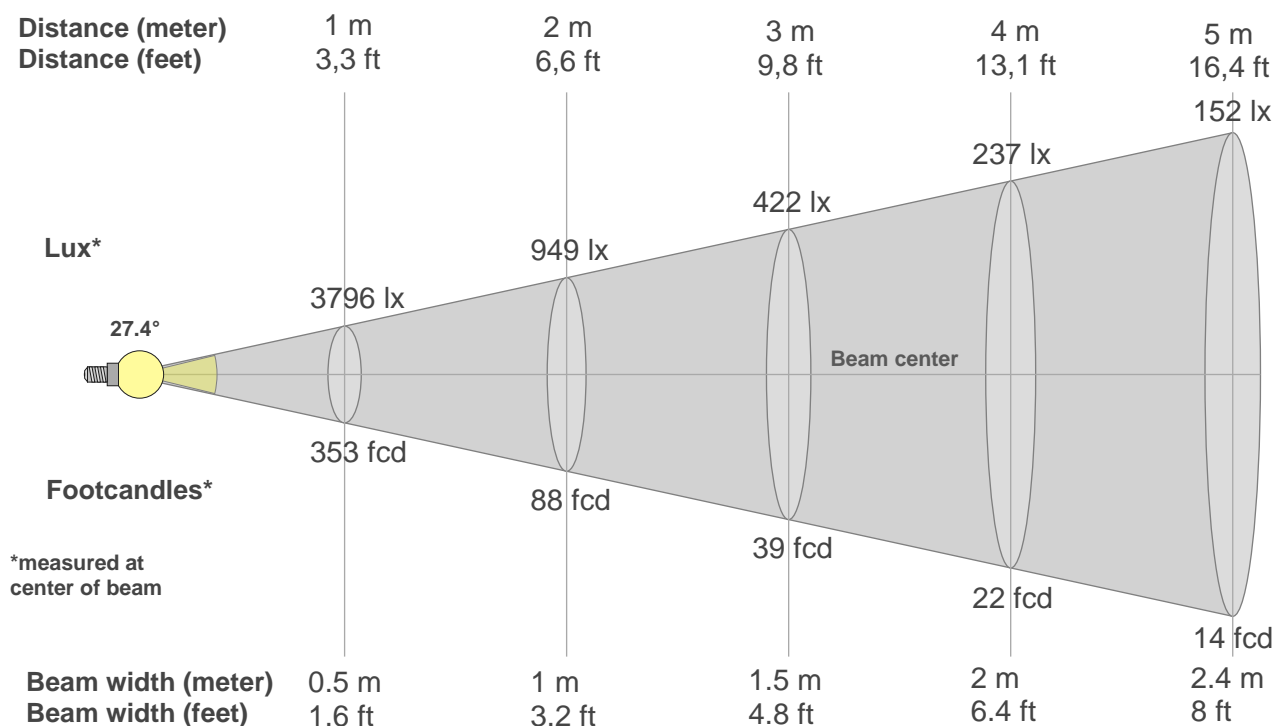
Fidelity index Rf

**Rg 106.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	92	2%	-3%
2	95	1%	-1%
3	94	1%	2%
4	93	2%	4%
5	90	5%	6%
6	87	8%	3%
7	88	7%	-3%
8	89	5%	-5%
9	92	1%	-5%
10	95	-2%	-1%
11	93	-1%	4%
12	91	3%	2%
13	93	4%	-1%
14	92	6%	2%
15	91	4%	-2%
16	90	6%	-5%





#### 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
3796lx	949lx	422lx	237lx	152lx	105lx	77lx	59lx	47lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx	9lx
352.6fcd	88.2fcd	39.2fcd	22fcd	14.1fcd	9.8fcd	7.2fcd	5.5fcd	4.4fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

#### 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°
3796	3743	3575	3326	3013	2652	2255	1834	1424	1089	824	621	467	344	257	188	136	97	68	48
100%	99%	94%	88%	79%	70%	59%	48%	38%	29%	22%	16%	12%	9%	7%	5%	4%	3%	2%	1%

#### 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°
3796	3734	3574	3330	3017	2654	2252	1833	1436	1094	828	632	483	363	268	195	141	102	72	53
100%	98%	94%	88%	79%	70%	59%	48%	38%	29%	22%	17%	13%	10%	7%	5%	4%	3%	2%	1%

#### 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°
3796	3727	3565	3317	3003	2646	2249	1835	1436	1093	824	626	470	349	258	189	136	96	67	48
100%	98%	94%	87%	79%	70%	59%	48%	38%	29%	22%	16%	12%	9%	7%	5%	4%	3%	2%	1%

#### 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°
3796	3748	3585	3329	3013	2649	2252	1834	1416	1078	811	612	461	339	247	180	132	95	67	47
100%	99%	94%	88%	79%	70%	59%	48%	37%	28%	21%	16%	12%	9%	7%	5%	3%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.4°	50.9°	68.3°	99.6%	98.8%