

Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3071 K

Output: 731 lm

Peak: 841 cd

Power: 11.8 W

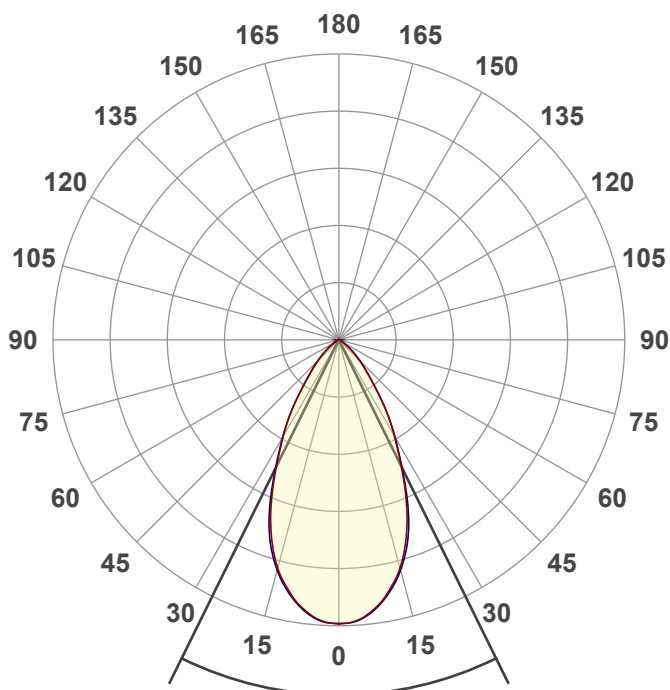
PF: 0.94



NU1-RA-WD-07LM-3018-97-55D-NA-NL-WH-WH

Date and time:

9/3/2024 9:48:23 AM



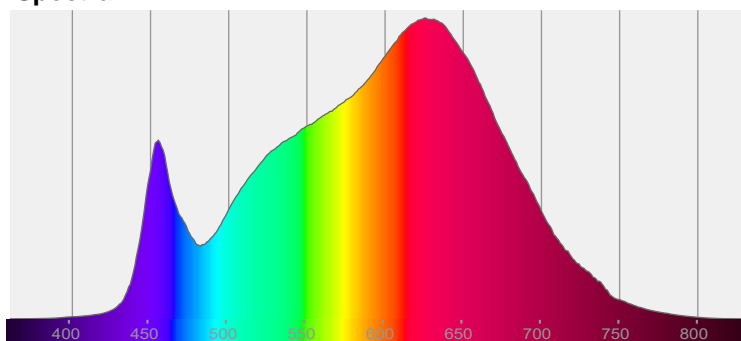
Beam angle

52.5°

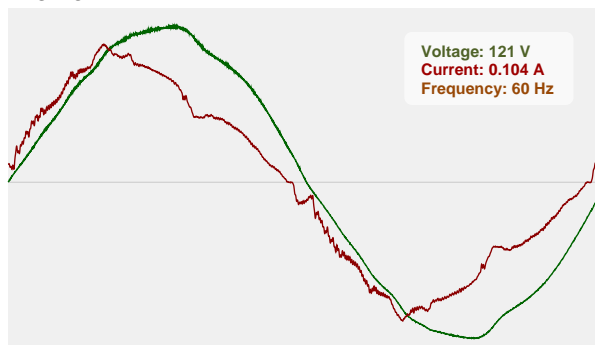


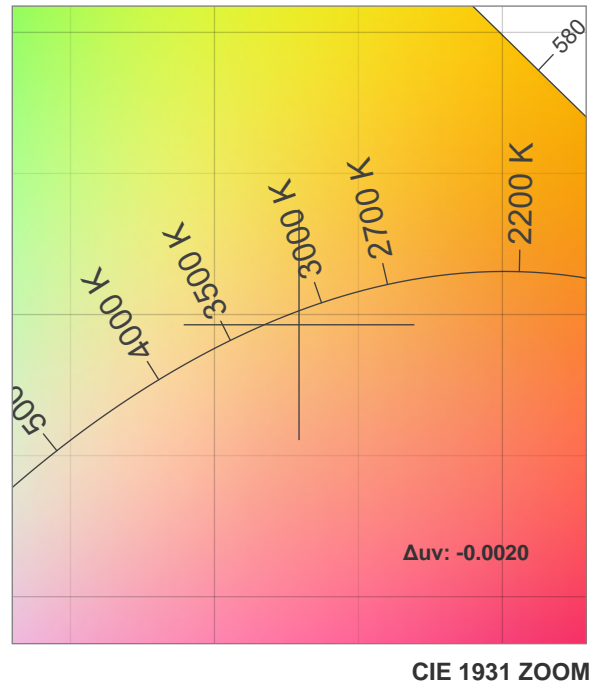
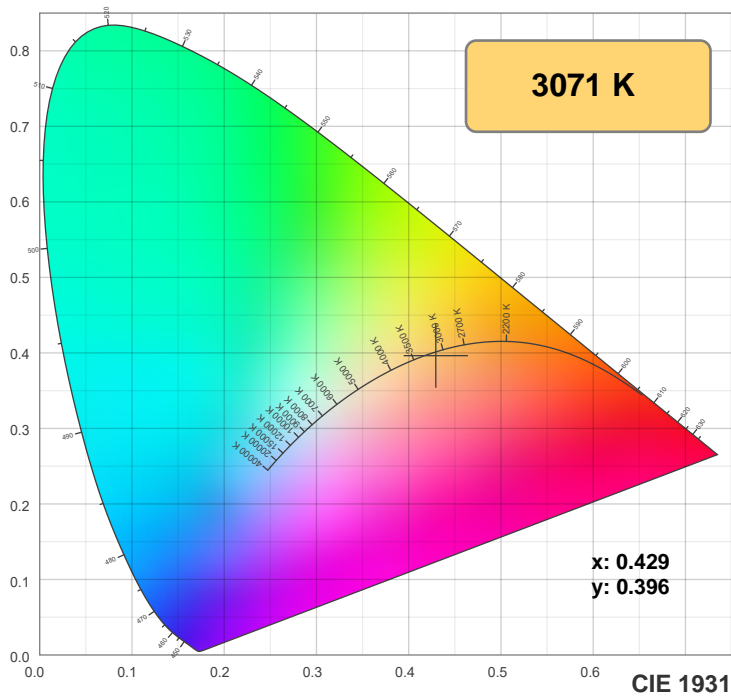
CIE 1931  
x: 0.429  
y: 0.396

Spectra

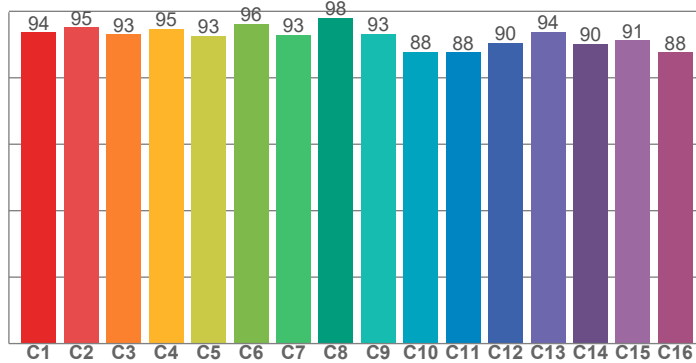


Power

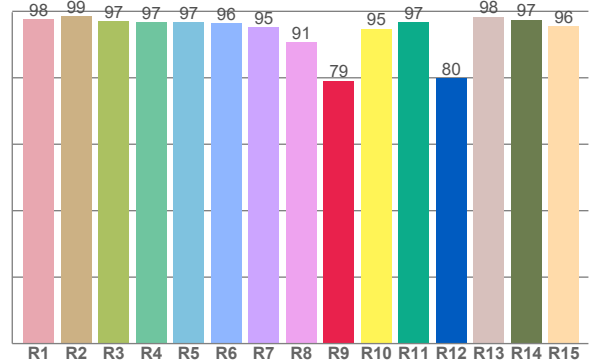




**TM30: 92.5**



**CRI: 96.1 (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
97.7	98.6	97.1	96.8	96.7	96.3	95.1	90.7	79.2	94.8	96.8	79.9	98.4	97.4	95.6

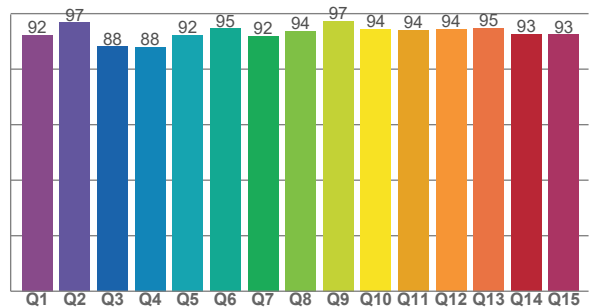
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	95.1	93.0	94.7	92.7	96.2	93.0	98.0	93.3	87.9	87.7	90.4	93.7	90.2	91.2	87.6

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.4	96.8	88.1	88.0	92.3	94.7	91.9	93.7	97.4	94.5	94.2	94.4	94.9	92.6	92.5

**CQS: 92.6**



## 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
3071 K	96.1	79.2	92.5	100.6	92.6	0.429	0.396	0.249	0.345	-0.0020

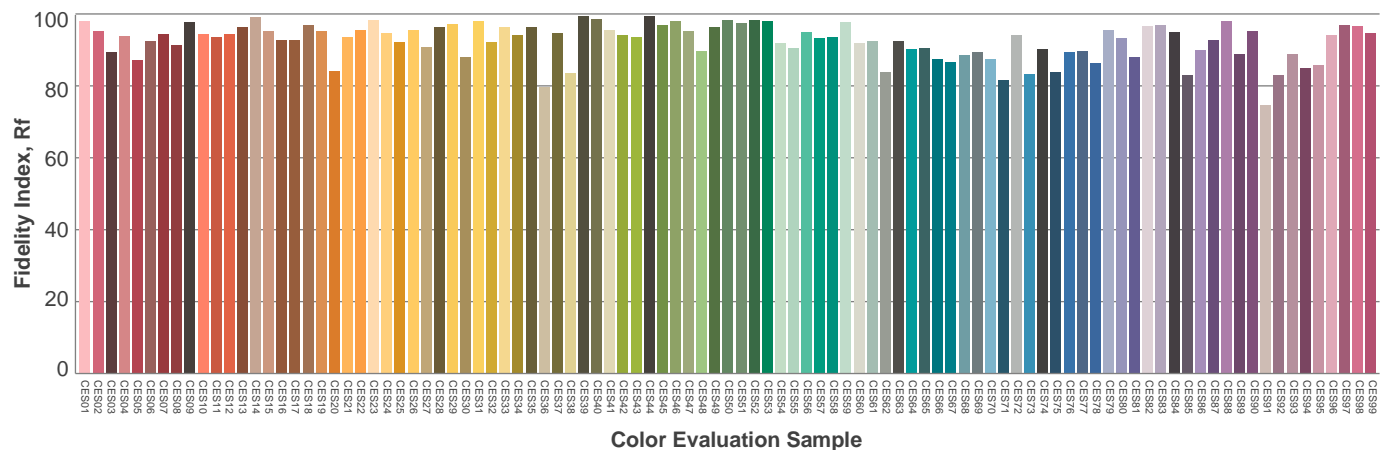
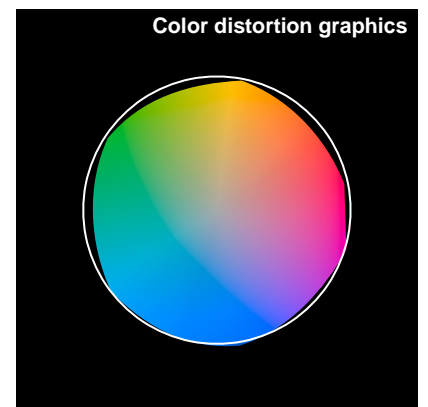
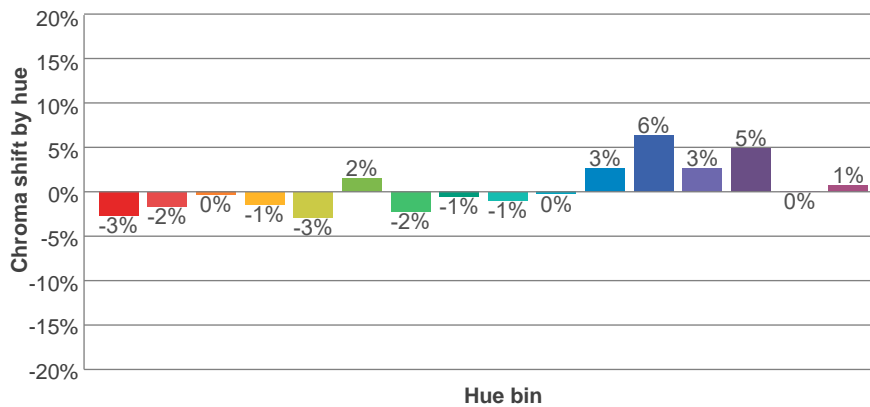
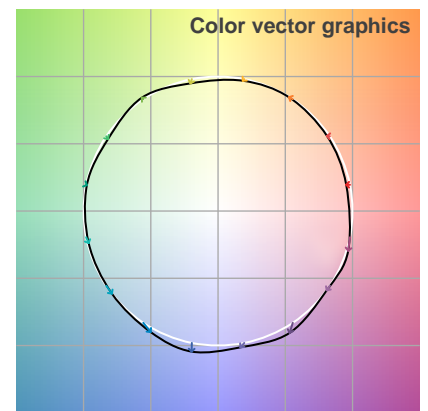
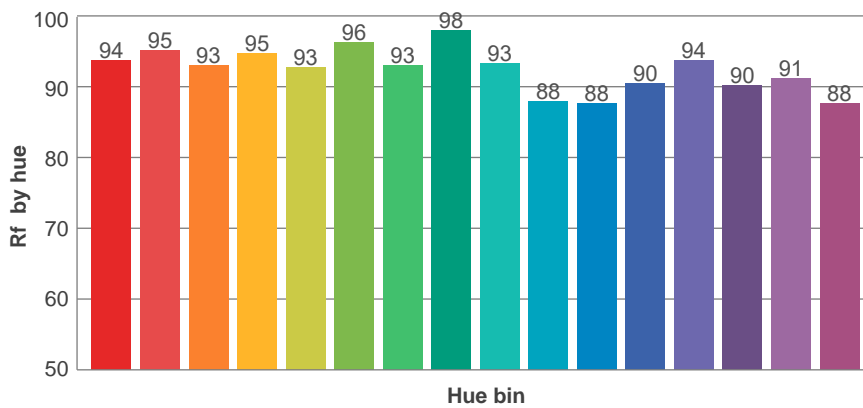
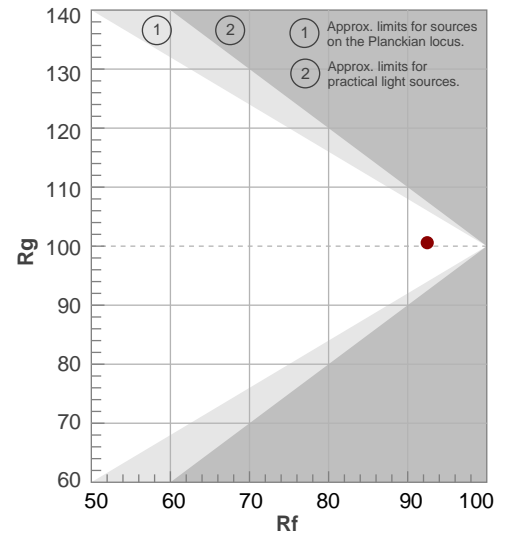
**Rf 92.5**

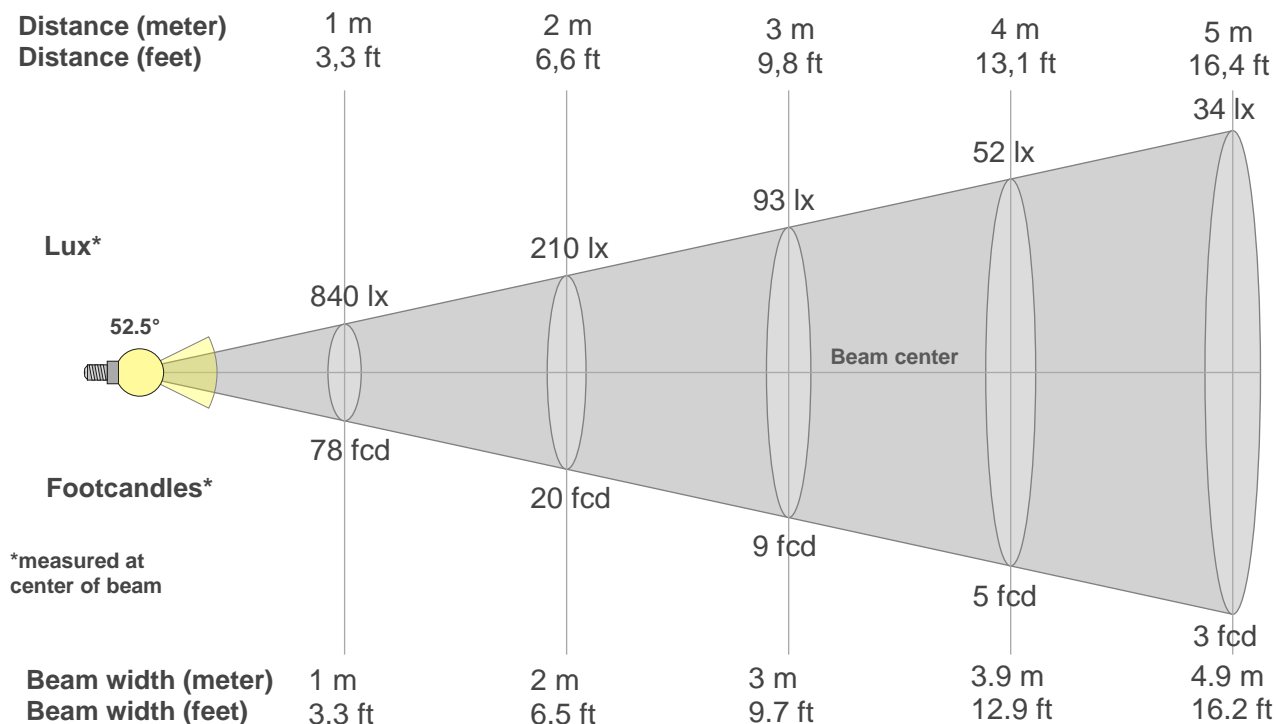
Fidelity index Rf

**Rg 100.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	95	-2%	1%
3	93	0%	3%
4	95	-1%	1%
5	93	-3%	2%
6	96	2%	0%
7	93	-2%	1%
8	98	-1%	0%
9	93	-1%	5%
10	88	0%	7%
11	88	3%	8%
12	90	6%	1%
13	94	3%	-3%
14	90	5%	-6%
15	91	0%	-4%
16	88	1%	-10%





#### 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
840lx	210lx	93lx	52lx	34lx	23lx	17lx	13lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx	2lx
78fcd	19.5fcd	8.7fcd	4.9fcd	3.1fcd	2.2fcd	1.6fcd	1.2fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd

#### 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°
840	837	829	815	797	774	746	716	679	636	588	536	480	425	373	329	288	246	204	167
100%	100%	99%	97%	95%	92%	89%	85%	81%	76%	70%	64%	57%	51%	44%	39%	34%	29%	24%	20%

#### 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°
840	838	831	818	800	778	752	722	687	647	601	548	490	431	378	332	289	246	205	169
100%	100%	99%	97%	95%	93%	89%	86%	82%	77%	72%	65%	58%	51%	45%	40%	34%	29%	24%	20%

#### 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°
840	837	829	815	797	774	746	716	679	636	588	536	480	425	373	329	288	246	204	167
100%	100%	99%	97%	95%	92%	89%	85%	81%	76%	70%	64%	57%	51%	44%	39%	34%	29%	24%	20%

#### 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°
840	838	831	818	800	778	752	722	687	647	601	548	490	431	378	332	289	246	205	169
100%	100%	99%	97%	95%	93%	89%	86%	82%	77%	72%	65%	58%	51%	45%	40%	34%	29%	24%	20%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52.5°	91.1°	113°	97.8%	90.2%