

Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3080 K

Output: 943 lm

Peak: 1392 cd

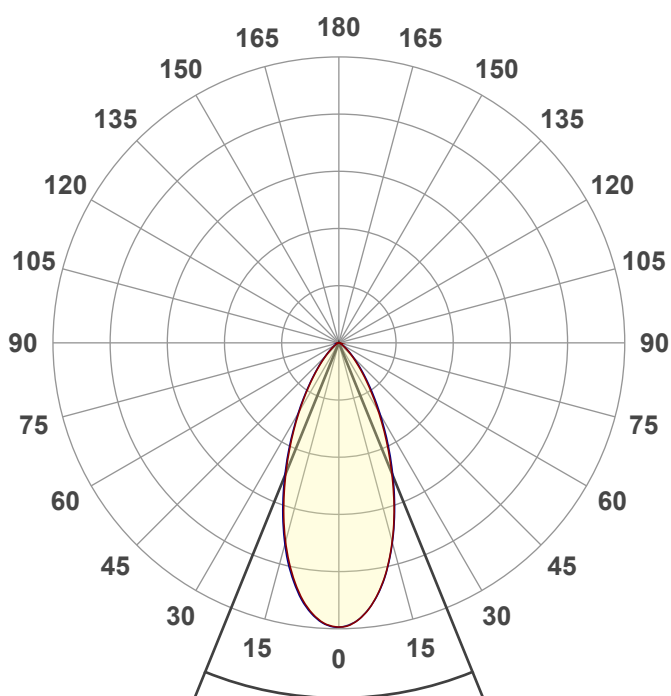
Power: 19.1 W

PF: 0.97



NU3-RA-WD-15LM-3018-97-35D-NA-DL-WH-WH

Date and time:  
7/13/2022 10:36:49 AM



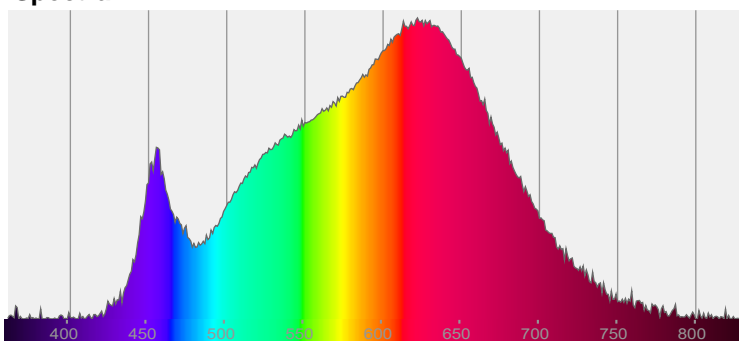
Beam angle

44.2°

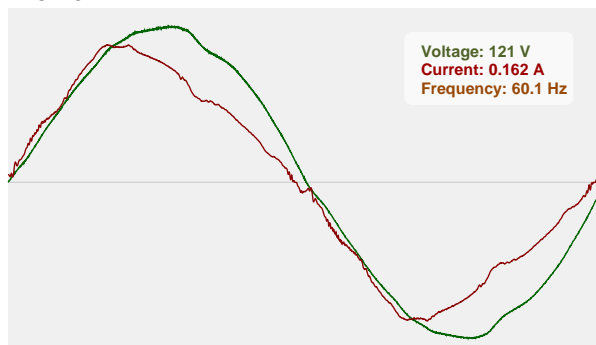


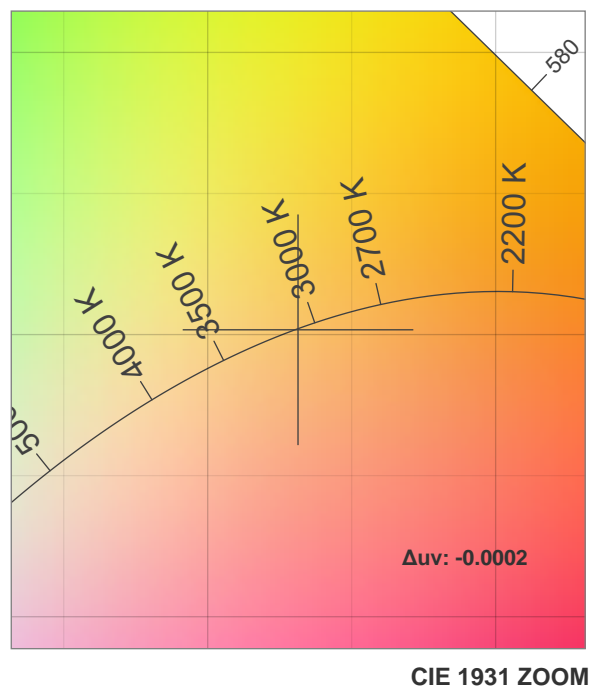
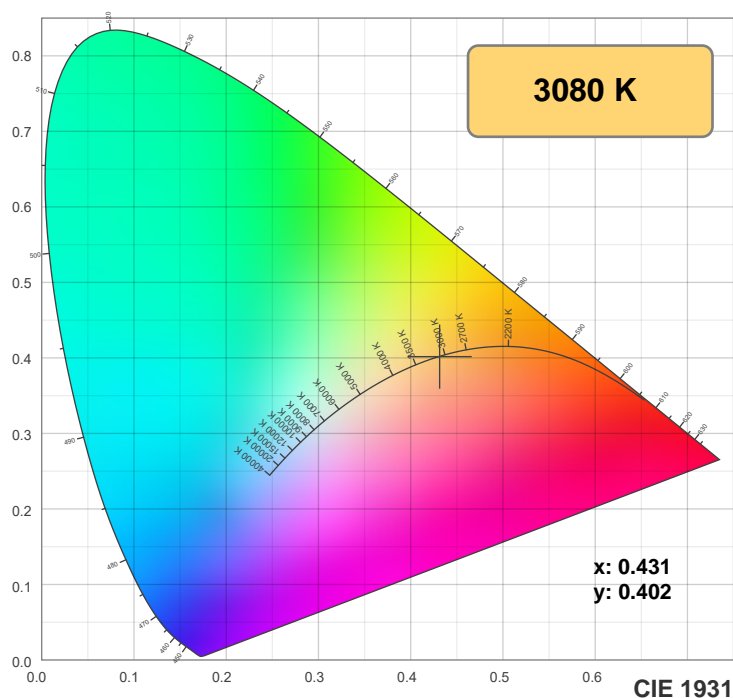
CIE 1931  
x: 0.431  
y: 0.402

Spectra

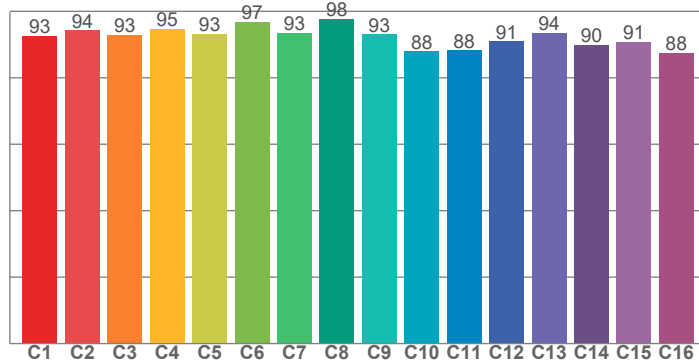


Power

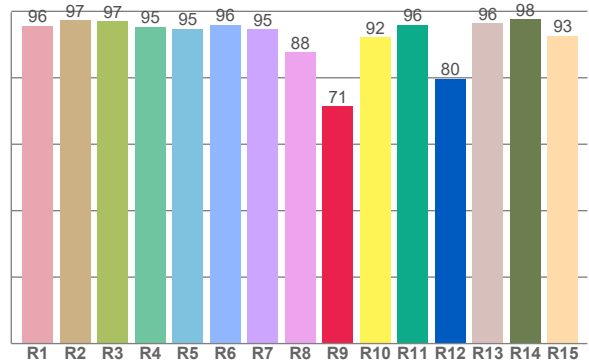




TM30: 92.4



CRI: 94.8 (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
95.7	97.4	97.1	95.4	94.8	96.0	94.6	87.7	71.4	92.1	95.9	79.7	96.3	97.5	92.6

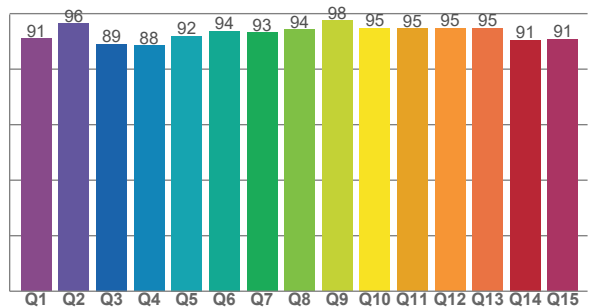
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.6	94.3	92.9	94.8	93.3	96.9	93.5	97.7	93.1	87.9	88.2	90.9	93.5	89.9	90.8	87.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.0	96.4	89.0	88.4	91.9	93.7	93.1	94.2	97.5	94.8	94.6	94.7	94.7	90.6	90.8

CQS: 92.5



## 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	$\Delta uv$
3080 K	94.8	71.4	92.4	99.4	92.5	0.431	0.402	0.248	0.346	-0.0002

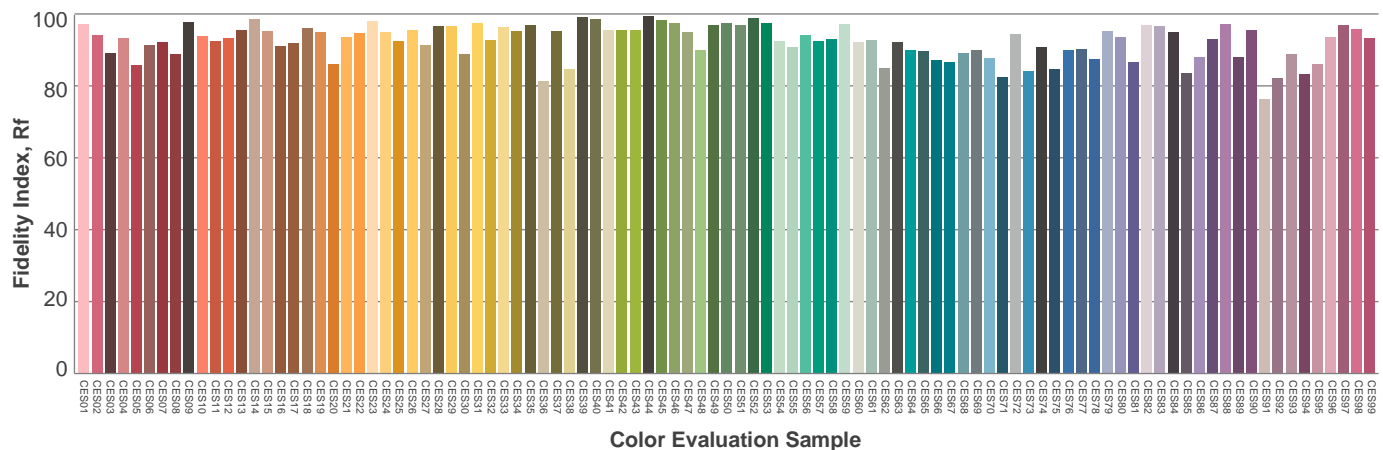
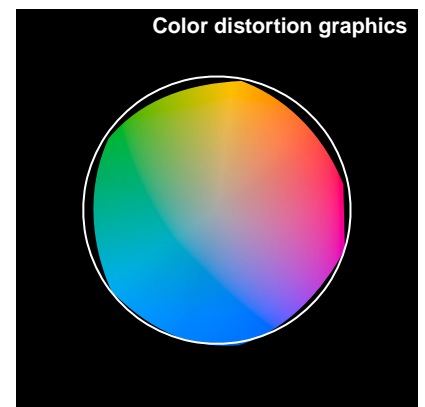
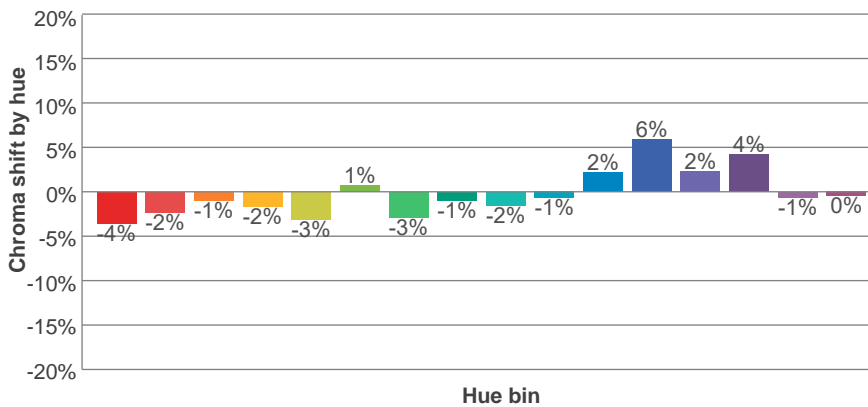
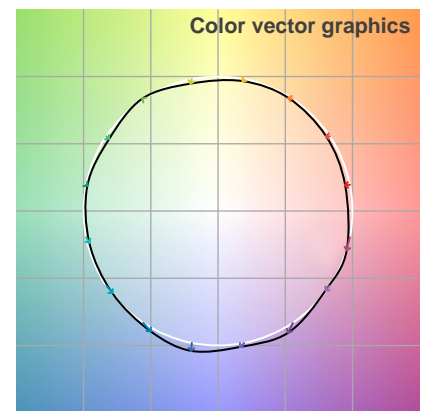
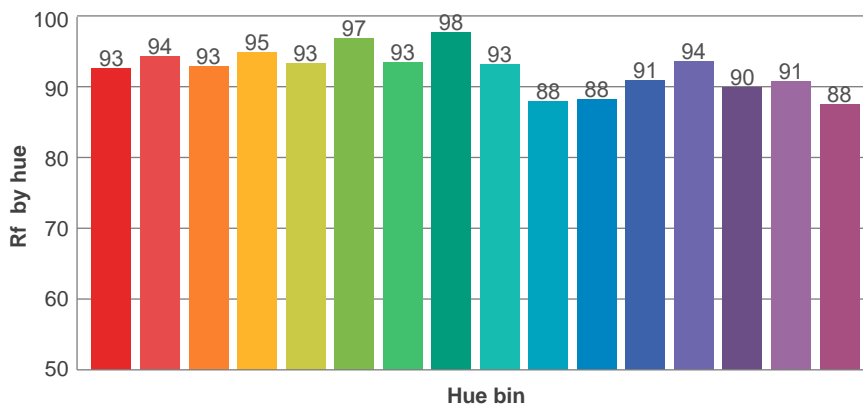
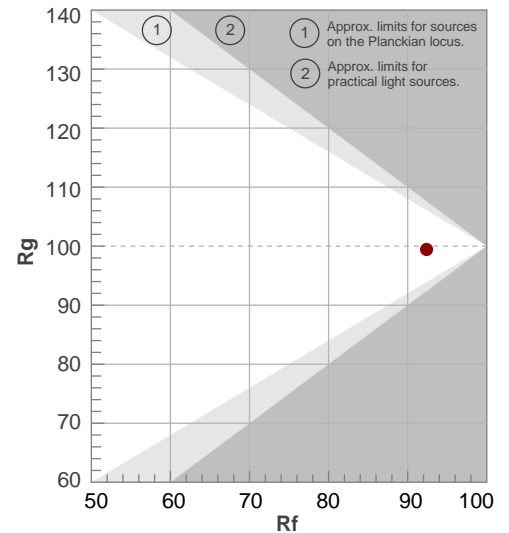
**Rf 92.4**

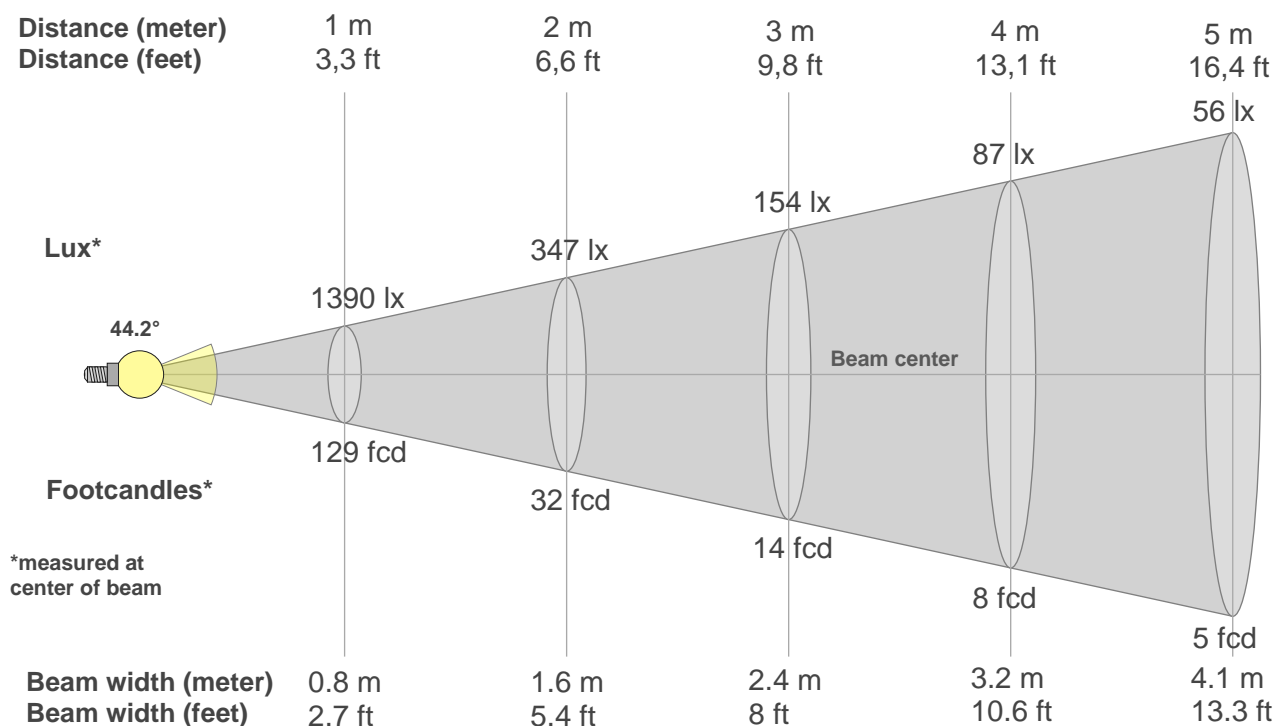
Fidelity index Rf

**Rg 99.4**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	94	-2%	2%
3	93	-1%	3%
4	95	-2%	1%
5	93	-3%	2%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-2%	4%
10	88	-1%	7%
11	88	2%	8%
12	91	6%	1%
13	94	2%	-4%
14	90	4%	-7%
15	91	-1%	-5%
16	88	0%	-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
1390lx	347lx	154lx	87lx	56lx	39lx	28lx	22lx	17lx	14lx	11lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
129.1fcd	32.3fcd	14.3fcd	8.1fcd	5.2fcd	3.6fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	0.3fcd

#### 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°
1390	1384	1360	1320	1267	1204	1132	1051	965	875	784	695	609	529	454	387	327	273	227	187
100%	100%	98%	95%	91%	87%	81%	76%	69%	63%	56%	50%	44%	38%	33%	28%	23%	20%	16%	13%

#### 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°
1390	1381	1359	1320	1268	1207	1134	1054	970	882	794	708	625	546	472	405	345	292	244	203
100%	99%	98%	95%	91%	87%	82%	76%	70%	63%	57%	51%	45%	39%	34%	29%	25%	21%	18%	15%

#### 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°
1390	1382	1359	1321	1271	1205	1131	1050	964	875	783	695	610	530	456	388	327	274	228	188
100%	99%	98%	95%	91%	87%	81%	76%	69%	63%	56%	50%	44%	38%	33%	28%	24%	20%	16%	14%

#### 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°
1390	1384	1363	1327	1278	1214	1142	1063	977	888	797	708	623	542	467	398	337	283	235	195
100%	100%	98%	96%	92%	87%	82%	76%	70%	64%	57%	51%	45%	39%	34%	29%	24%	20%	17%	14%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44.2°	82.5°	107.7°	98.6%	92.5%