

Light efficiency:

45 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3086 K

Output: 863 lm

Peak: 1729 cd

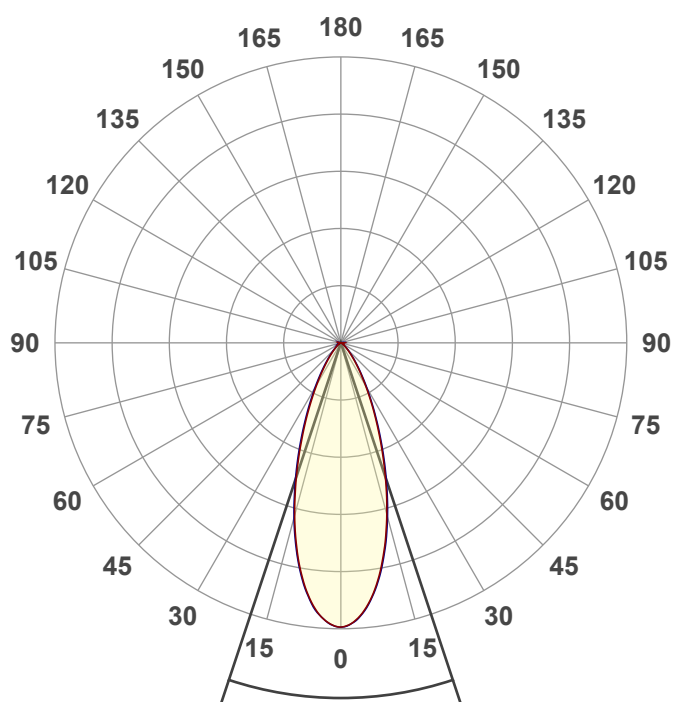
Power: 19.1 W

PF: 0.97



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

Date and time:
7/13/2022 10:16:48 AM



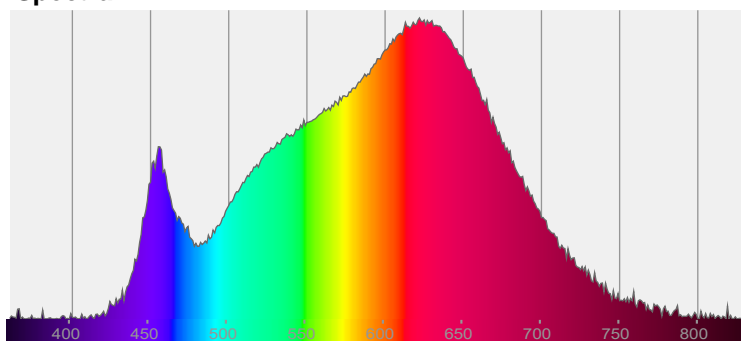
Beam angle

36.8°

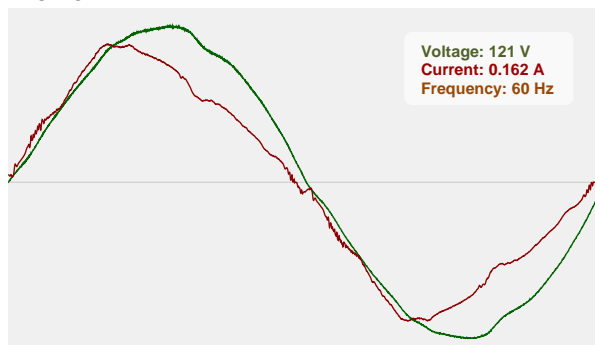


CIE 1931
x: 0.431
y: 0.401

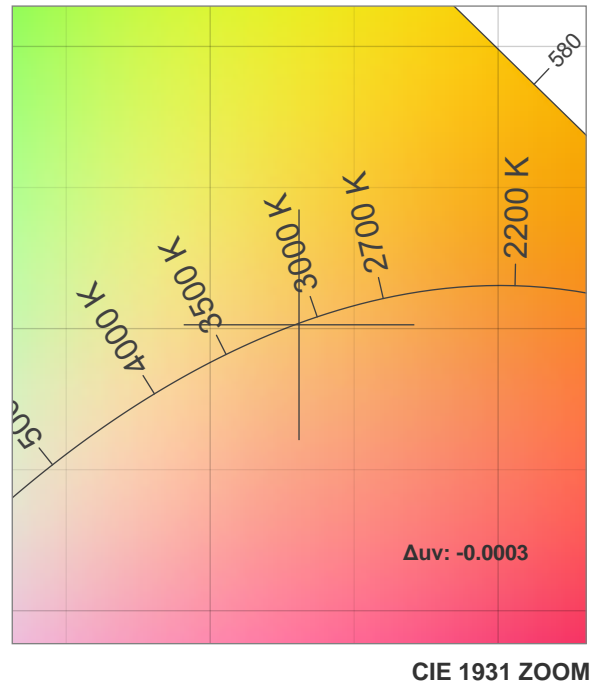
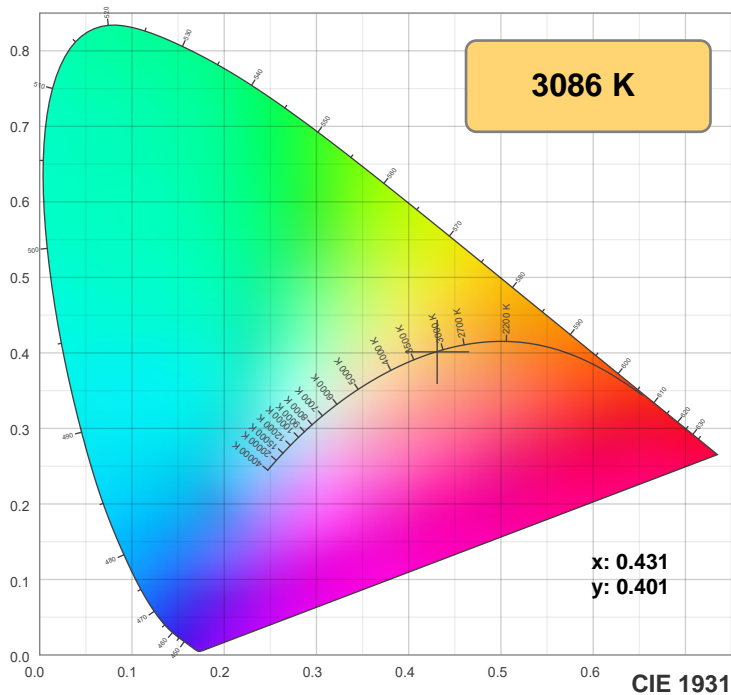
Spectra



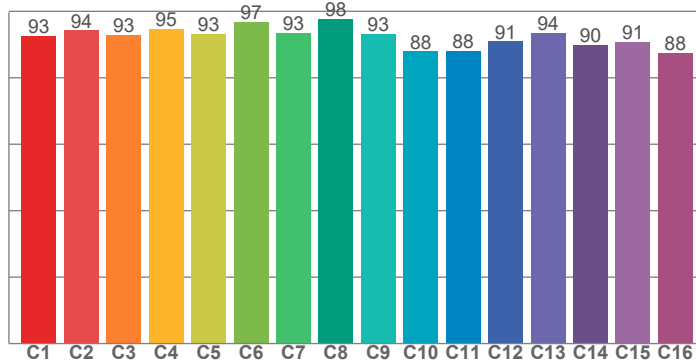
Power



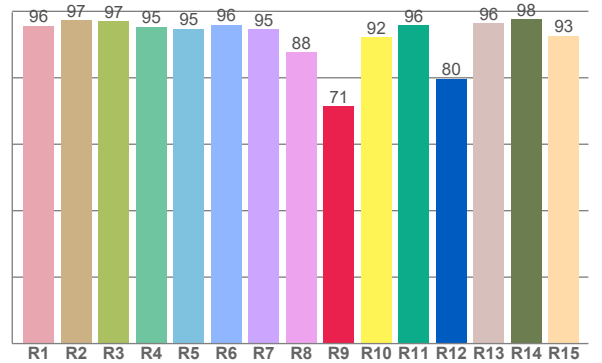
Voltage: 121 V
Current: 0.162 A
Frequency: 60 Hz



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

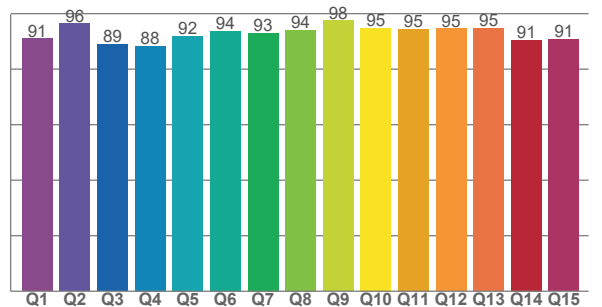
TM30 C values, 16 binned values out of total of 99 C values

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	96.5	89.0	88.4	91.9	93.7	93.1	94.2	97.6	94.8	94.5	94.7	94.7	90.6	90.8

CQS: 92.4



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
3086 K	94.8	71.4	92.4	99.5	92.4	0.431	0.401	0.248	0.346	-0.0003

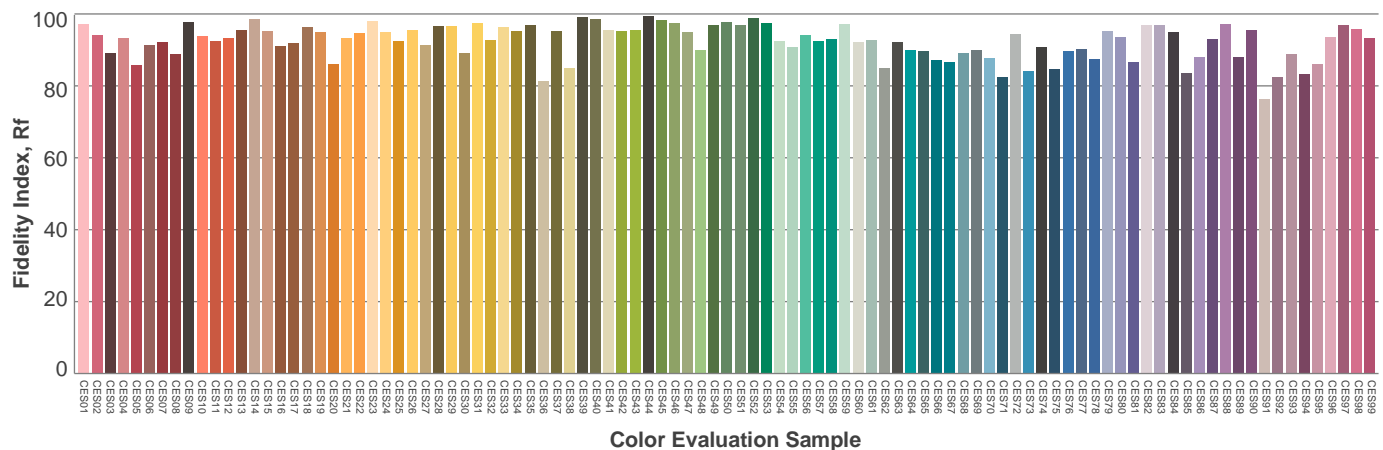
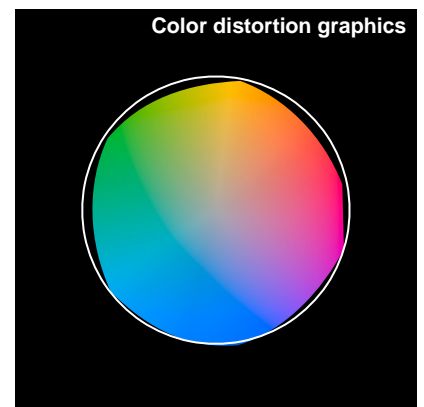
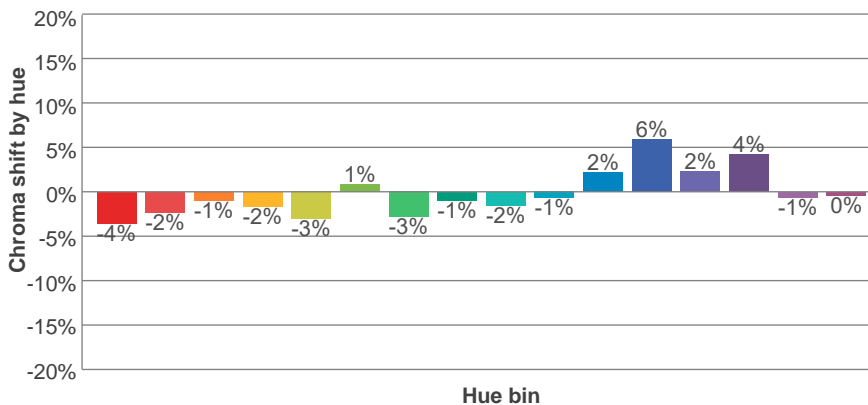
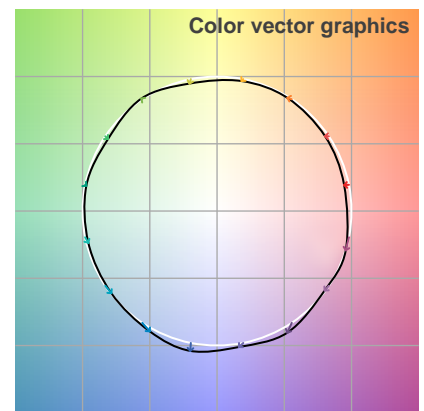
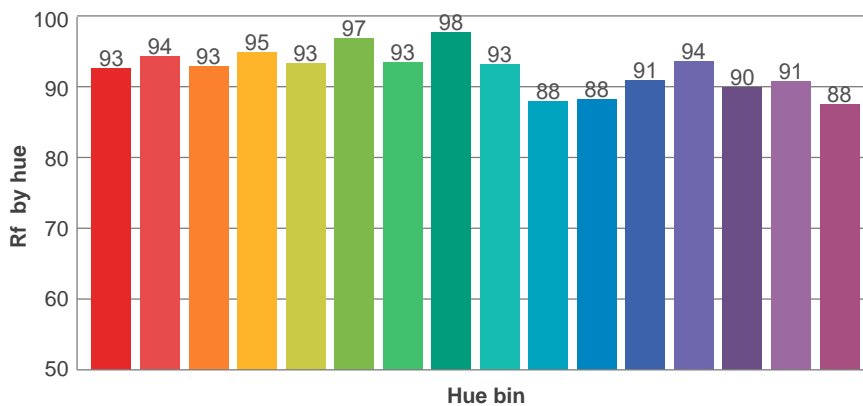
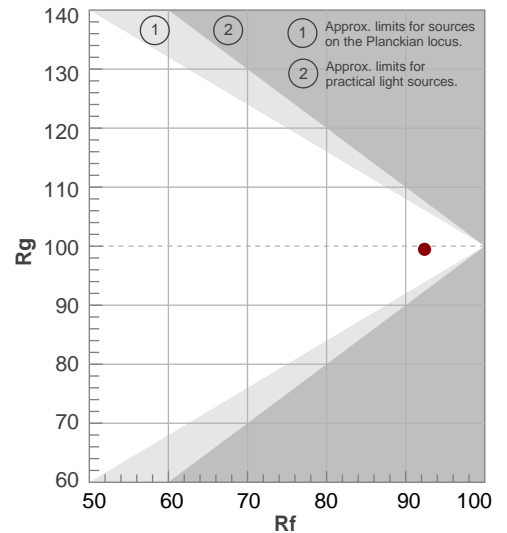
Rf 92.4

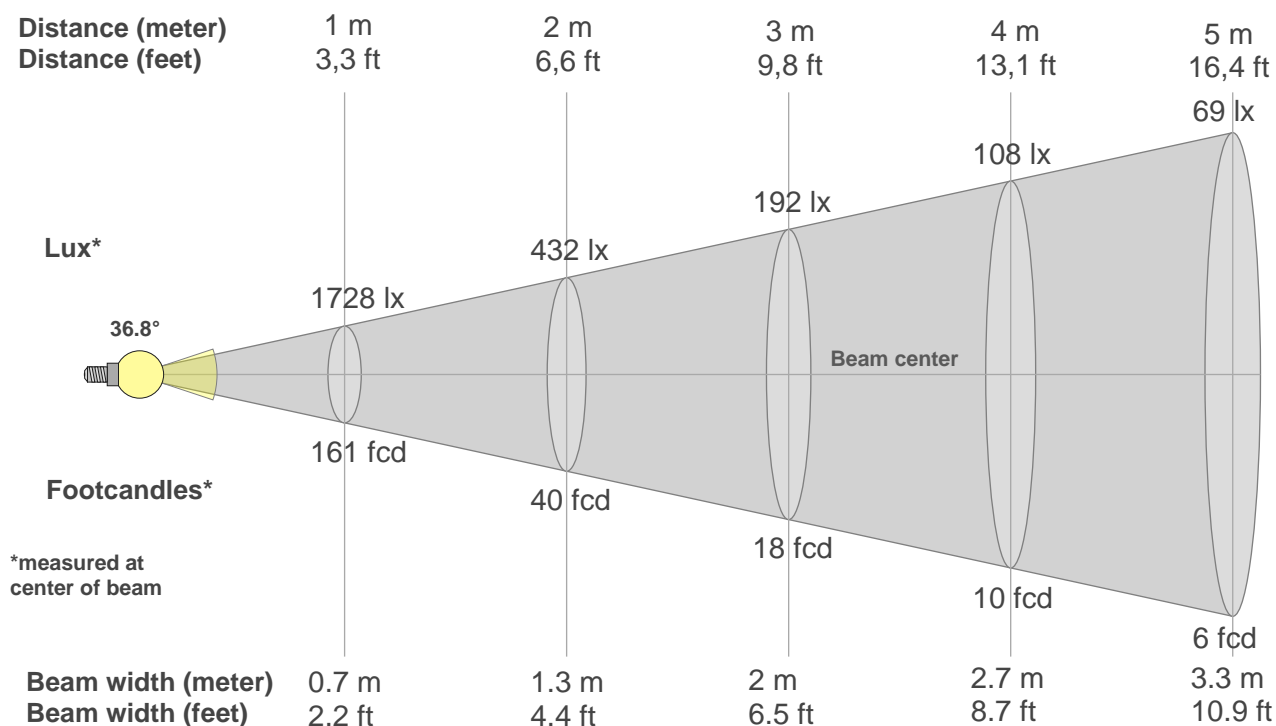
Fidelity index Rf

Rg 99.5

Gammut index Rg

Hue Bin	R _f	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%	0%
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
1728lx	432lx	192lx	108lx	69lx	48lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
160.6fcd	40.1fcd	17.8fcd	10fcd	6.4fcd	4.5fcd	3.3fcd	2.5fcd	2fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd

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°
1728	1711	1665	1596	1506	1397	1275	1146	1014	883	758	643	539	449	369	301	243	198	158	127
100%	99%	96%	92%	87%	81%	74%	66%	59%	51%	44%	37%	31%	26%	21%	17%	14%	11%	9%	7%

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°
1728	1712	1669	1602	1513	1408	1288	1161	1031	900	777	660	557	464	383	316	257	209	169	137
100%	99%	97%	93%	88%	81%	75%	67%	60%	52%	45%	38%	32%	27%	22%	18%	15%	12%	10%	8%

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°
1728	1713	1673	1606	1517	1408	1284	1154	1018	884	755	636	532	439	359	292	236	190	152	121
100%	99%	97%	93%	88%	81%	74%	67%	59%	51%	44%	37%	31%	25%	21%	17%	14%	11%	9%	7%

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°
1728	1714	1673	1612	1524	1417	1296	1168	1034	901	775	659	554	462	381	314	255	208	168	135
100%	99%	97%	93%	88%	82%	75%	68%	60%	52%	45%	38%	32%	27%	22%	18%	15%	12%	10%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36.8°	70.6°	95.4°	98.8%	94.8%