

Light efficiency:

40 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3006 K

Output: 1511 lm

Peak: 2086 cd

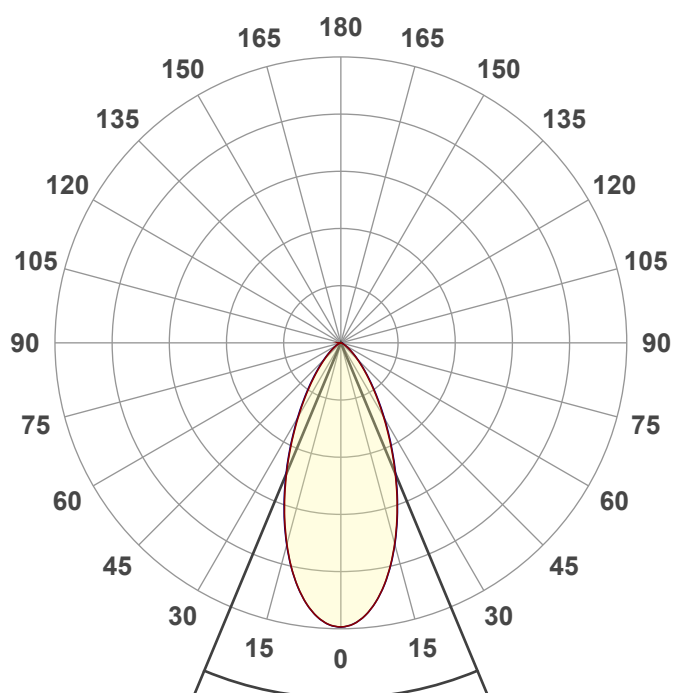
Power: 37.4 W

PF: 0.98



NU3-RA-WD-30LM-3018-97-30D-NA-DL-WH-WH

Date and time:
6/30/2022 10:14:34 AM



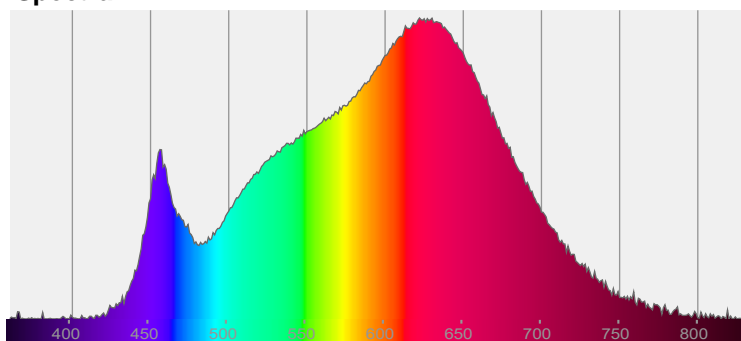
Beam angle

45.2°

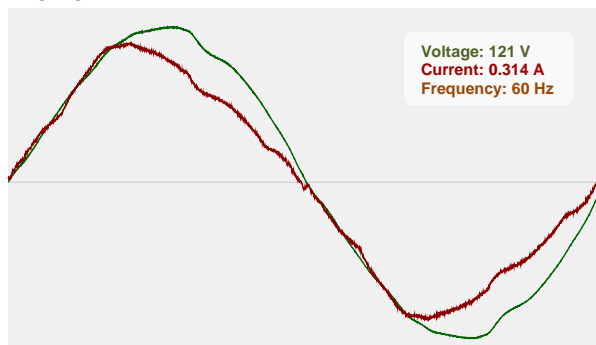


CIE 1931
x: 0.435
y: 0.400

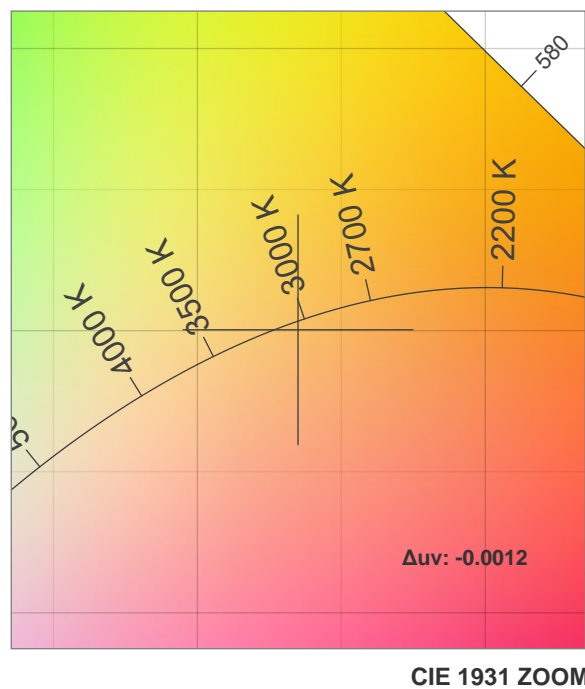
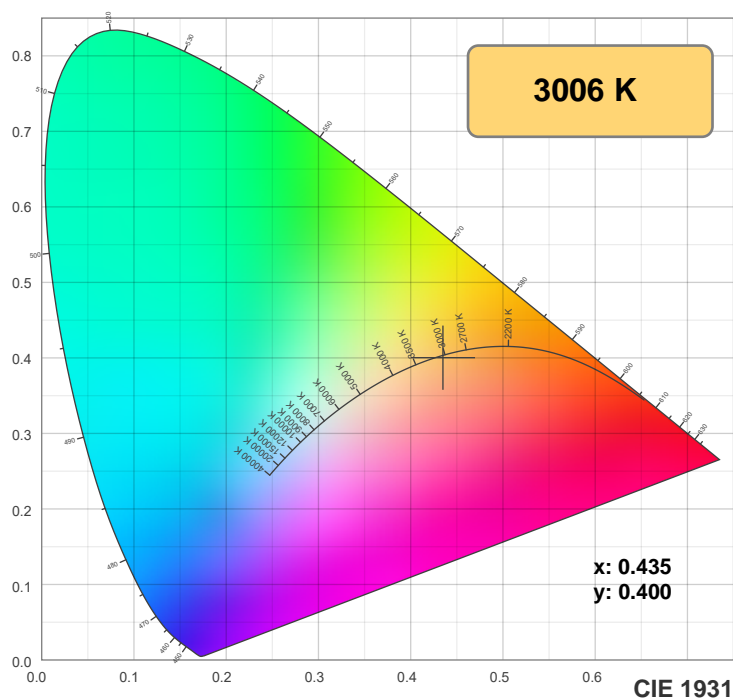
Spectra



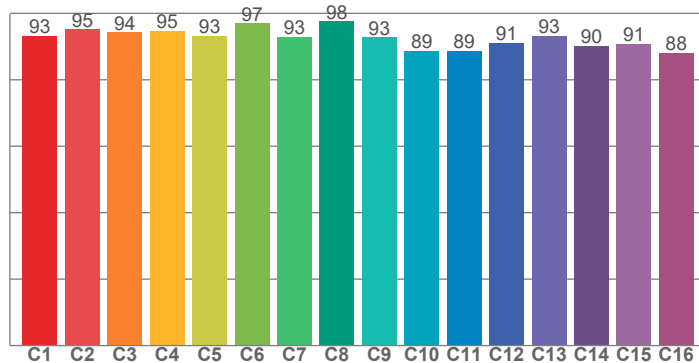
Power



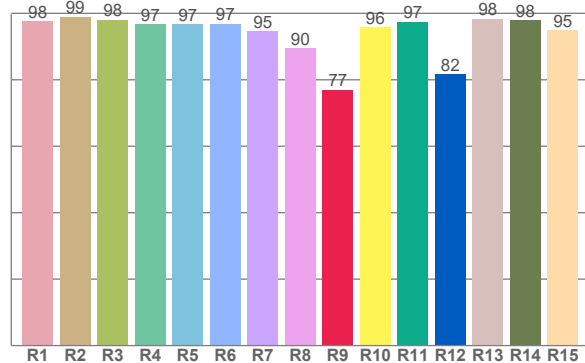
Voltage: 121 V
Current: 0.314 A
Frequency: 60 Hz



TM30: 92.6



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
97.5	99.0	98.1	96.7	96.7	96.9	94.6	89.6	77.0	95.7	97.4	81.7	98.4	98.0	94.8

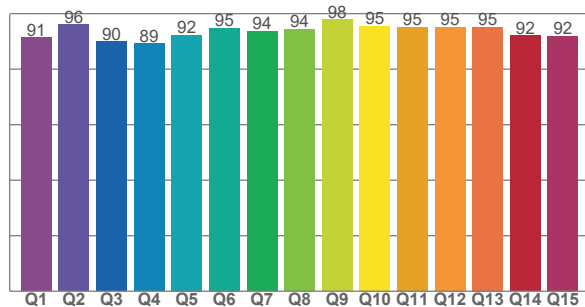
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.2	95.1	94.2	94.7	93.2	96.9	93.0	97.6	92.7	88.7	88.7	91.1	93.2	90.3	90.8	88.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.3	96.1	90.0	89.2	92.4	94.9	93.6	94.3	97.8	95.5	95.1	95.1	95.2	92.0	91.9

CQS: 93.1



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
3006 K	96.1	77.0	92.6	99.5	93.1	0.435	0.400	0.251	0.346	-0.0012

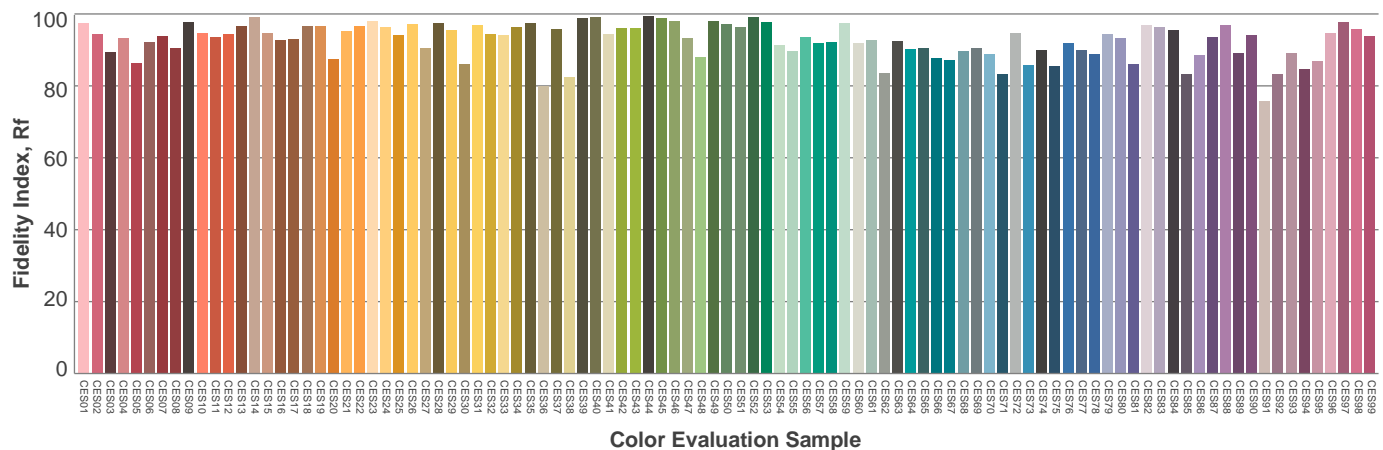
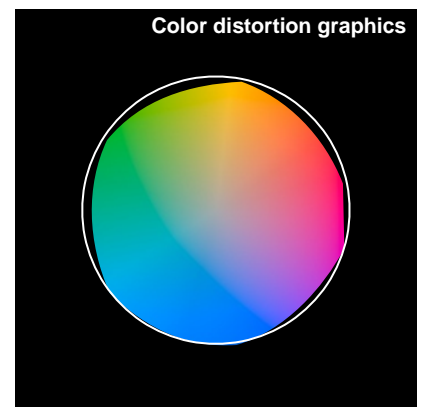
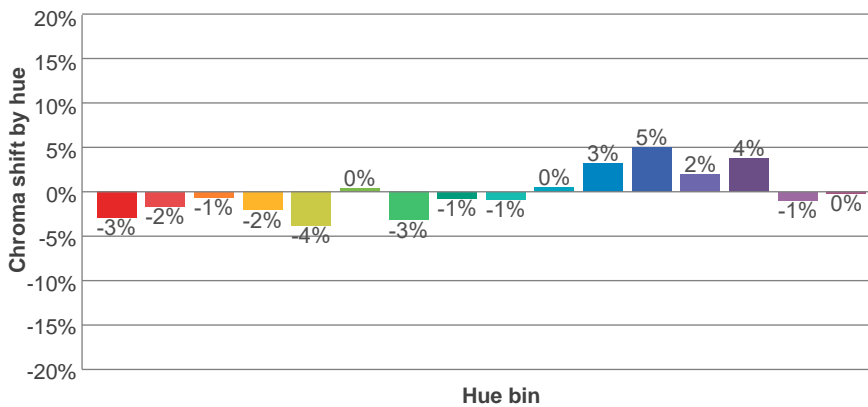
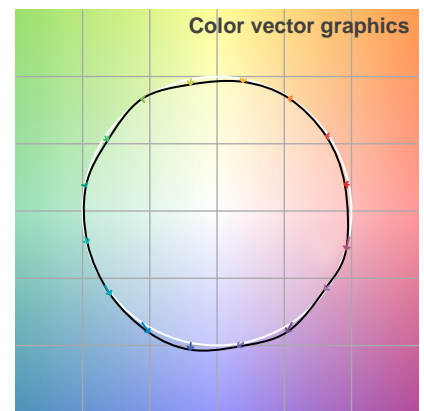
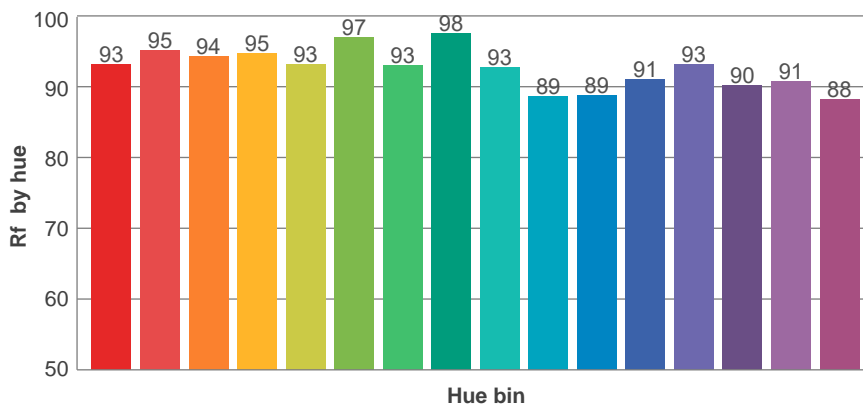
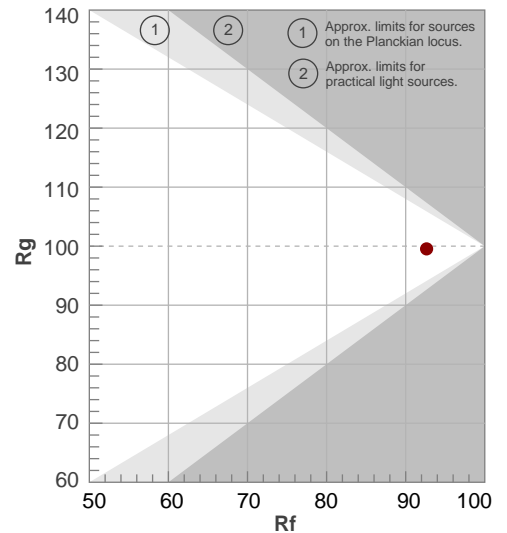
Rf 92.6

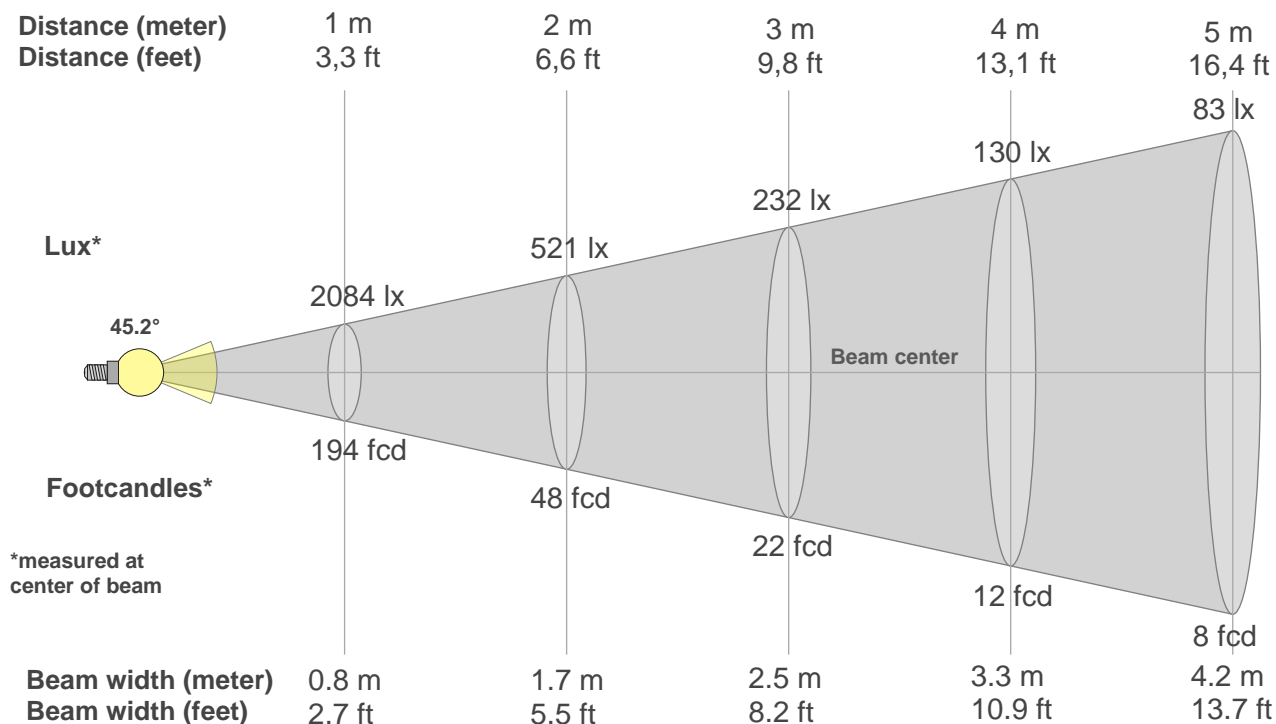
Fidelity index Rf

Rg 99.5

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	-1%	2%
4	95	-2%	0%
5	93	-4%	1%
6	97	0%	1%
7	93	-3%	2%
8	98	-1%	1%
9	93	-1%	5%
10	89	0%	7%
11	89	3%	8%
12	91	5%	1%
13	93	2%	-5%
14	90	4%	-7%
15	91	-1%	-4%
16	88	0%	-9%





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
2084lx	521lx	232lx	130lx	83lx	58lx	43lx	33lx	26lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
193.6fcd	48.4fcd	21.5fcd	12.1fcd	7.7fcd	5.4fcd	4fcd	3fcd	2.4fcd	1.9fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd

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°
2084	2070	2033	1976	1902	1811	1703	1585	1462	1334	1205	1076	953	836	727	626	538	459	389	327
100%	99%	98%	95%	91%	87%	82%	76%	70%	64%	58%	52%	46%	40%	35%	30%	26%	22%	19%	16%

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°
2084	2068	2032	1977	1903	1813	1706	1590	1468	1341	1213	1087	964	847	739	640	551	471	400	337
100%	99%	98%	95%	91%	87%	82%	76%	70%	64%	58%	52%	46%	41%	35%	31%	26%	23%	19%	16%

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°
2084	2070	2036	1981	1908	1817	1709	1590	1465	1336	1205	1076	952	833	722	622	533	453	383	321
100%	99%	98%	95%	92%	87%	82%	76%	70%	64%	58%	52%	46%	40%	35%	30%	26%	22%	18%	15%

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°
2084	2072	2037	1982	1908	1818	1711	1594	1472	1345	1215	1087	963	845	735	635	546	467	397	335
100%	99%	98%	95%	92%	87%	82%	77%	71%	65%	58%	52%	46%	41%	35%	30%	26%	22%	19%	16%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45.2°	86.3°	113.1°	98.1%	90.6%