

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 96.3

Color temperature:

2997 K

Output: 1647 lm

Peak: 3840 cd

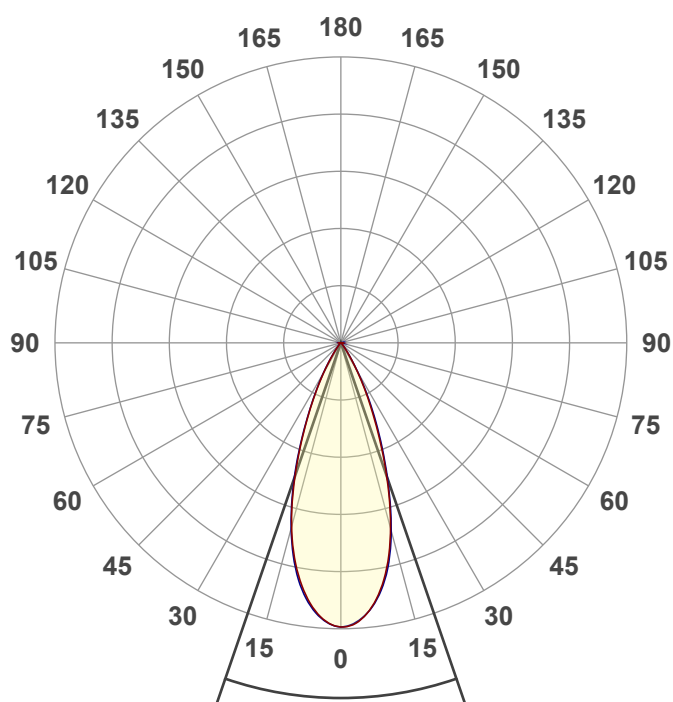
Power: 37.4 W

PF: 0.98



NU3-RA-WD-30LM-3018-97-40D-NA-SBL-WH-WH

Date and time:  
6/30/2022 10:39:14 AM



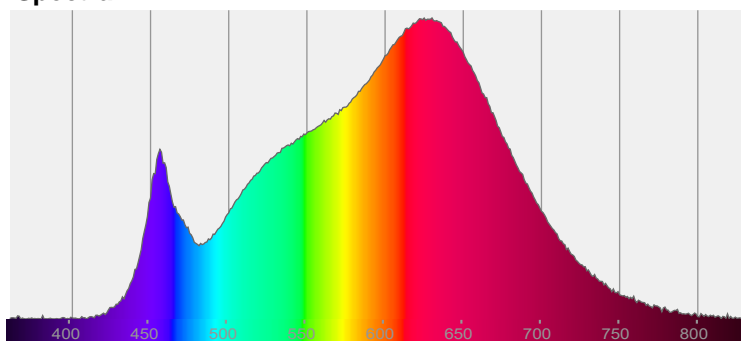
Beam angle

38°

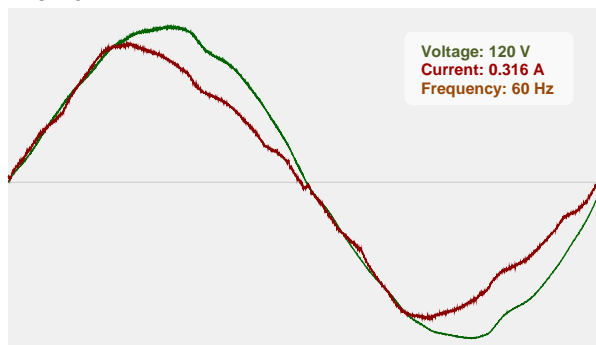


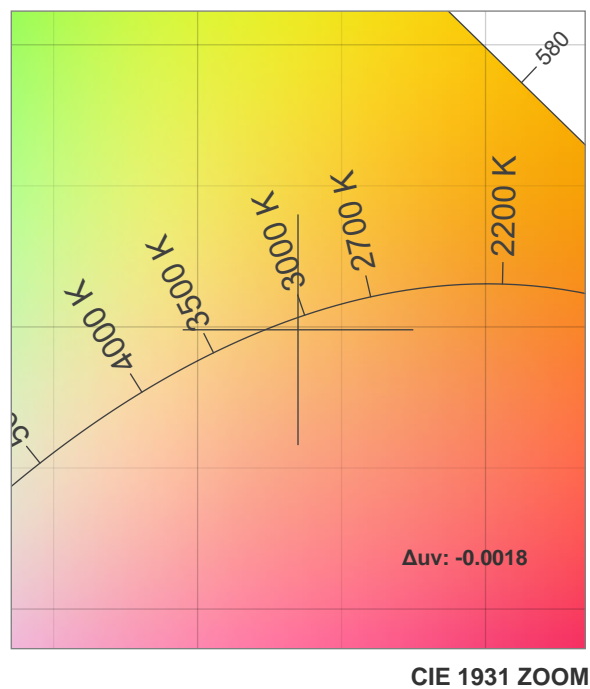
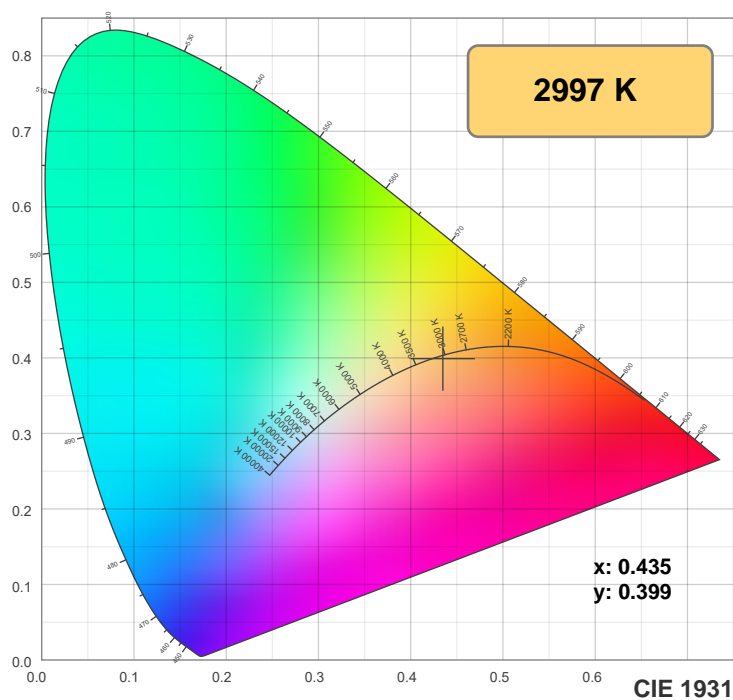
CIE 1931  
x: 0.435  
y: 0.399

Spectra

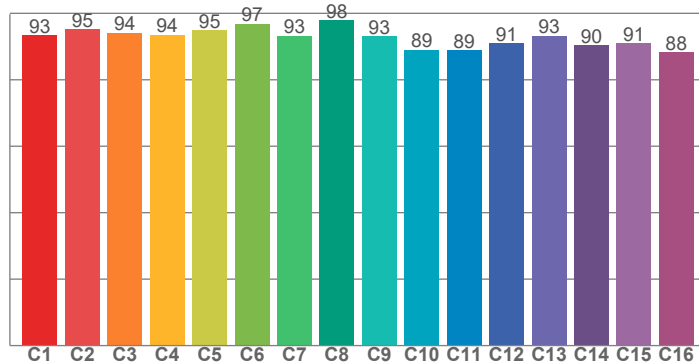


Power

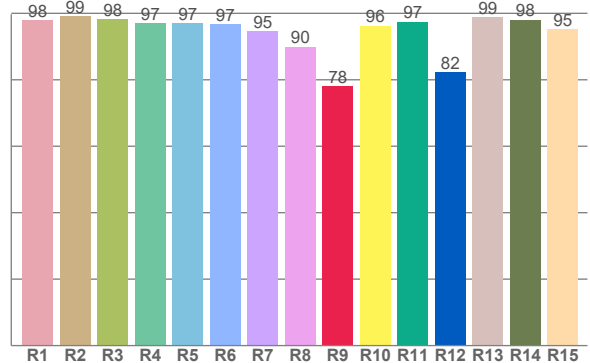




TM30: 92.8



CRI: 96.3 (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
97.8	99.1	98.1	96.9	97.0	96.7	94.5	89.9	78.0	96.3	97.5	82.3	98.7	98.0	95.3

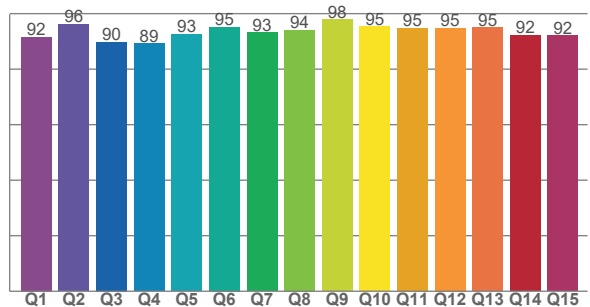
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	95.2	94.1	93.6	94.9	96.8	93.1	97.8	93.1	89.0	88.9	91.0	93.2	90.3	91.0	88.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.2	89.9	89.2	92.5	95.2	93.2	94.1	97.8	95.3	94.9	94.9	94.9	92.2	92.0

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
2997 K	96.3	78.0	92.8	99.9	93.1	0.435	0.399	0.251	0.346	-0.0018

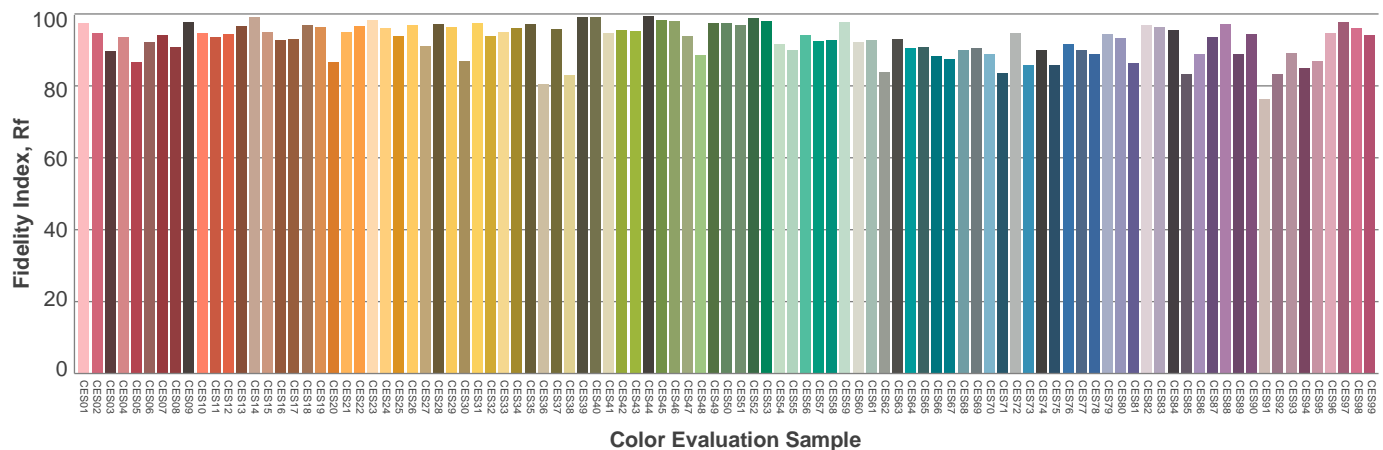
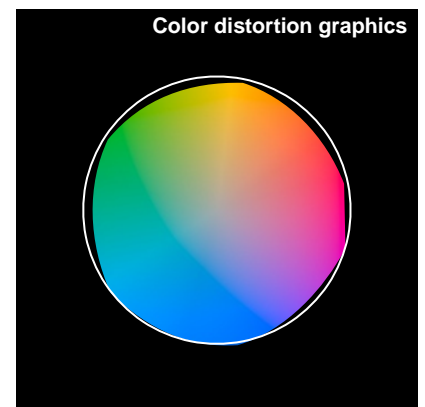
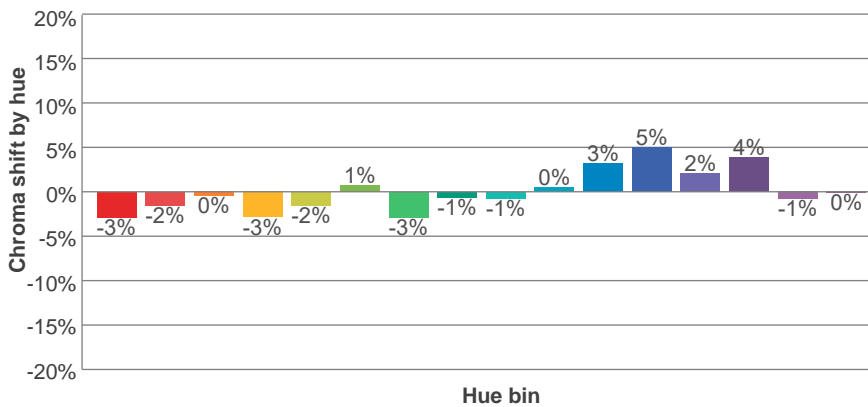
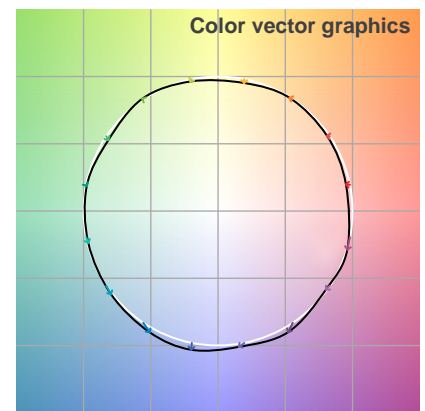
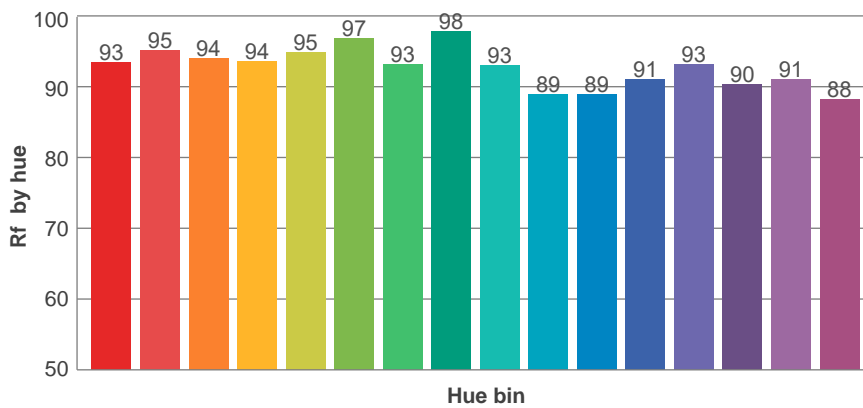
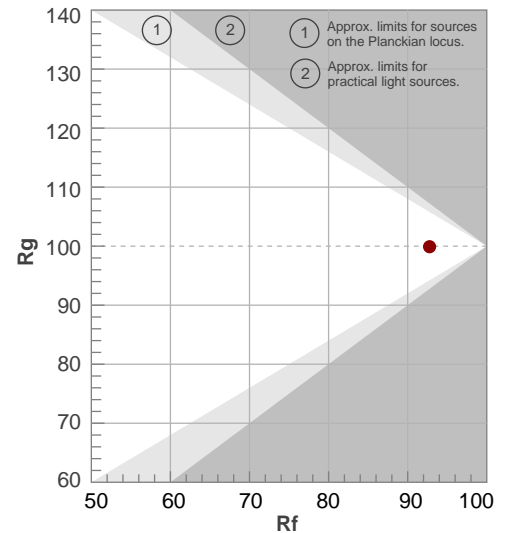
**Rf 92.8**

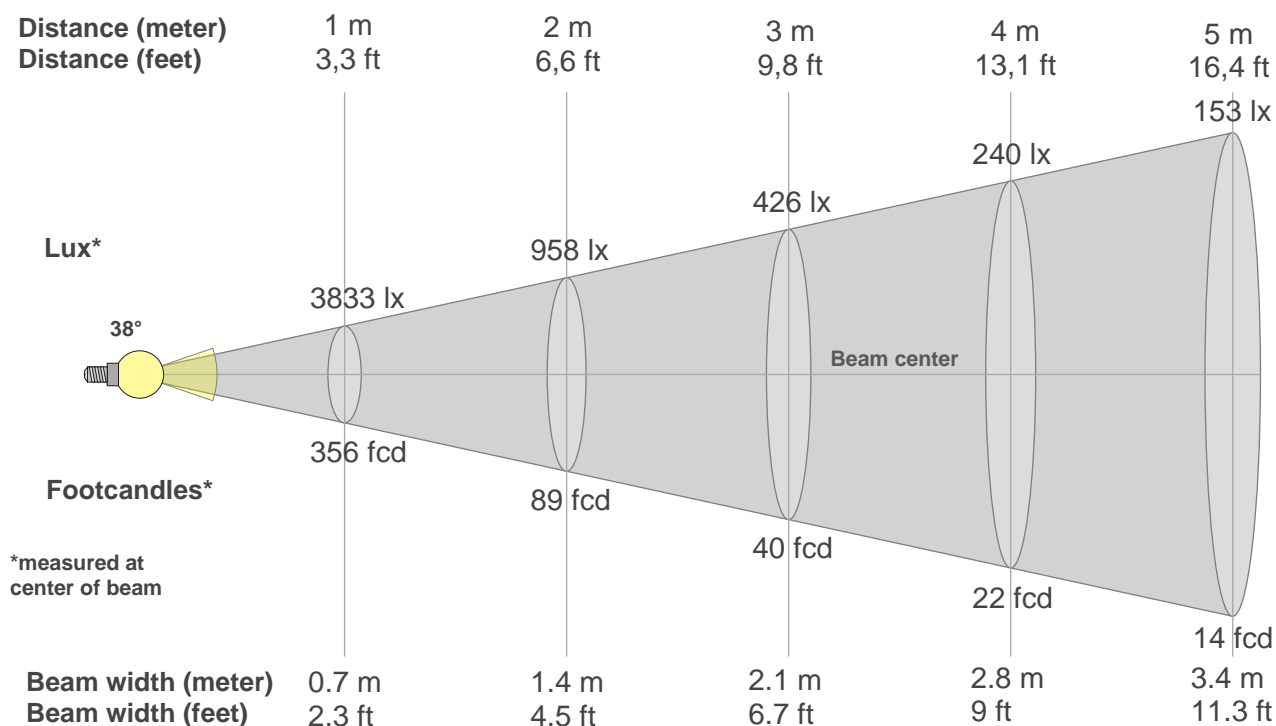
Fidelity index Rf

**Rg 99.9**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	0%	3%
4	94	-3%	0%
5	95	-2%	1%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	4%
10	89	0%	7%
11	89	3%	8%
12	91	5%	1%
13	93	2%	-4%
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
3833lx	958lx	426lx	240lx	153lx	106lx	78lx	60lx	47lx	38lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
356.1fcd	89fcd	39.6fcd	22.3fcd	14.2fcd	9.9fcd	7.3fcd	5.6fcd	4.4fcd	3.6fcd	2.9fcd	2.5fcd	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°
3833	3815	3749	3637	3483	3281	3034	2746	2423	2078	1726	1394	1099	845	627	438	290	187	119	75
100%	100%	98%	95%	91%	86%	79%	72%	63%	54%	45%	36%	29%	22%	16%	11%	8%	5%	3%	2%

#### 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°
3833	3814	3743	3637	3492	3305	3075	2789	2456	2110	1769	1448	1154	895	663	465	307	191	114	70
100%	100%	98%	95%	91%	86%	80%	73%	64%	55%	46%	38%	30%	23%	17%	12%	8%	5%	3%	2%

#### 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°
3833	3804	3721	3593	3426	3224	2989	2721	2410	2074	1732	1404	1103	849	640	459	312	200	125	82
100%	99%	97%	94%	89%	84%	78%	71%	63%	54%	45%	37%	29%	22%	17%	12%	8%	5%	3%	2%

#### 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°
3833	3801	3727	3614	3461	3266	3021	2742	2434	2104	1766	1430	1129	871	656	475	323	213	137	88
100%	99%	97%	94%	90%	85%	79%	72%	63%	55%	46%	37%	29%	23%	17%	12%	8%	6%	4%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38°	61.9°	74.3°	99.5%	98.5%