

Light efficiency:

38 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3015 K

Output: 1430 lm

Peak: 3780 cd

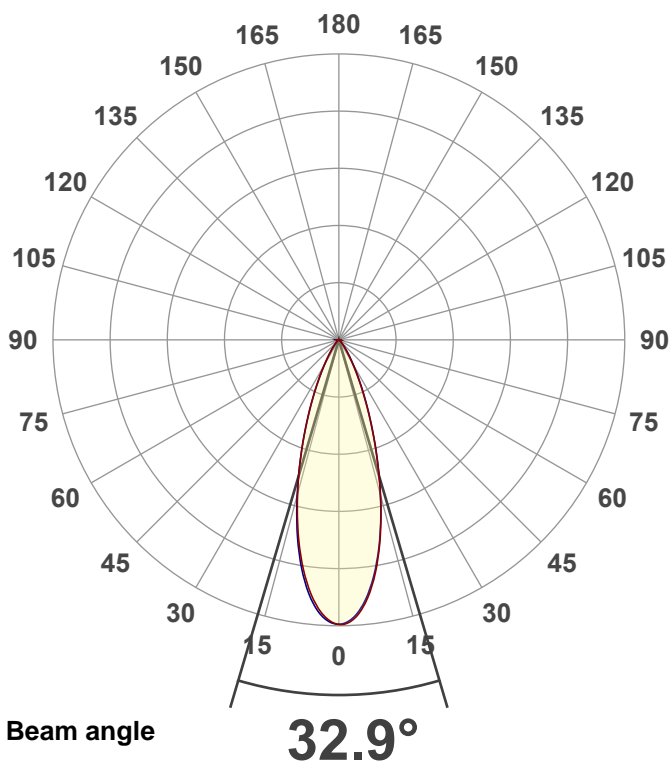
Power: 37.3 W

PF: 0.98



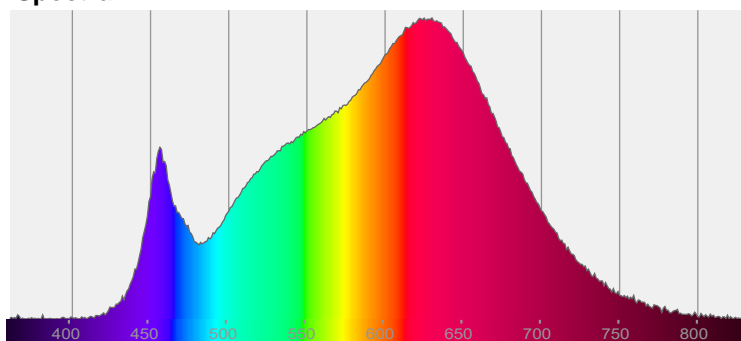
NU3-RA-WD-30LM-3018-97-30D-NA-HET-WH-WH

Date and time:  
6/30/2022 11:37:53 AM

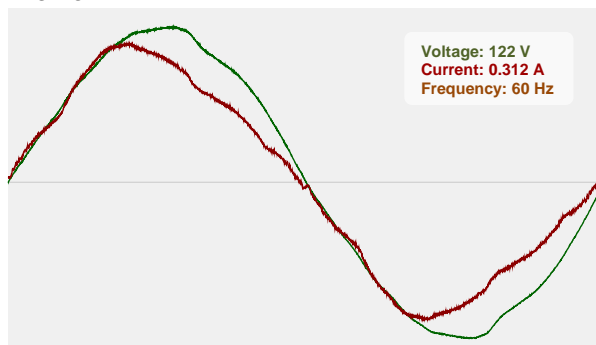


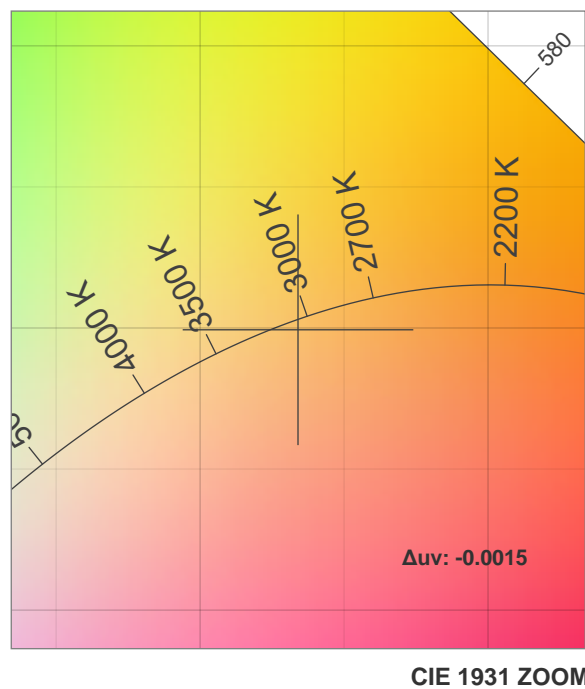
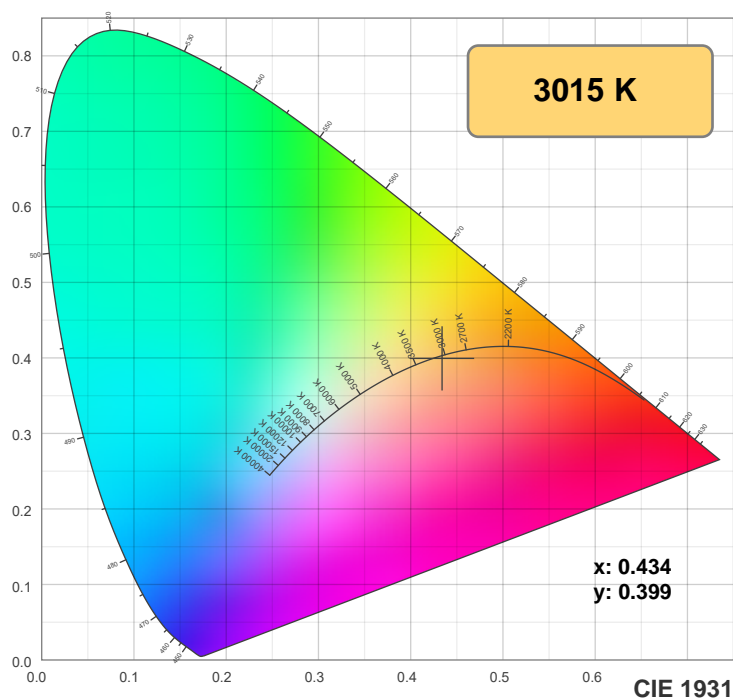
CIE 1931  
x: 0.434  
y: 0.399

Spectra

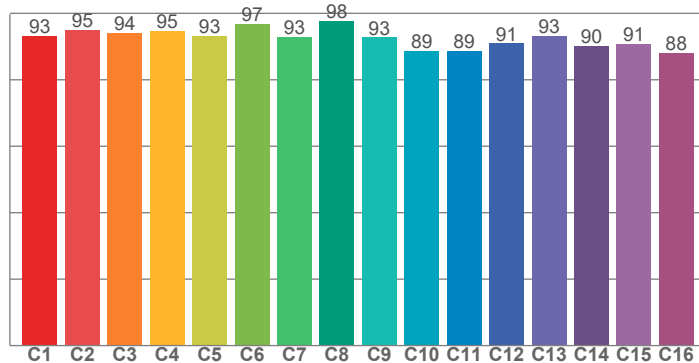


Power

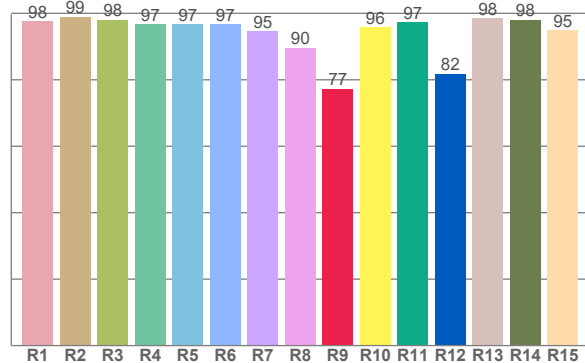




TM30: 92.6



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
97.6	99.0	98.1	96.7	96.8	96.8	94.5	89.7	77.3	95.9	97.4	81.8	98.5	98.0	95.0

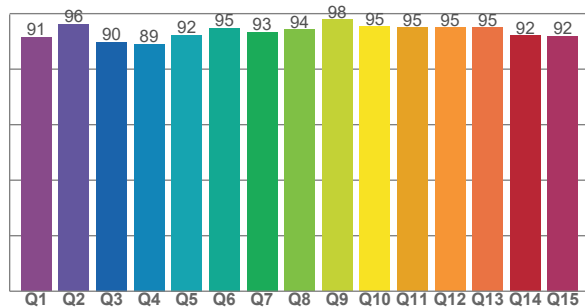
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.2	95.1	94.1	94.7	93.2	96.9	93.0	97.7	92.8	88.7	88.7	91.0	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
91.5	96.1	89.8	89.1	92.3	94.9	93.4	94.2	97.8	95.3	95.0	94.9	95.0	92.1	91.9

CQS: 93.0



## 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	$\Delta uv$
3015 K	96.1	77.3	92.6	99.7	93.0	0.434	0.399	0.251	0.346	-0.0015

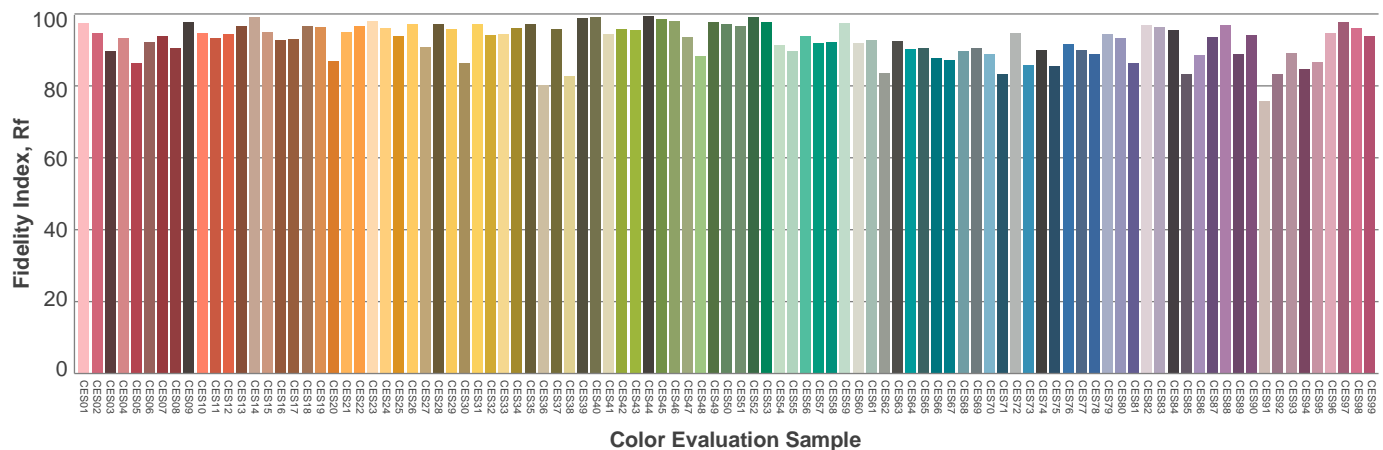
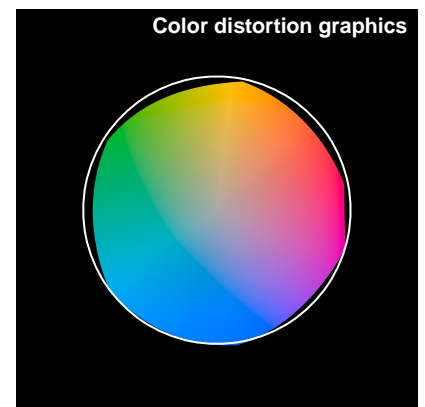
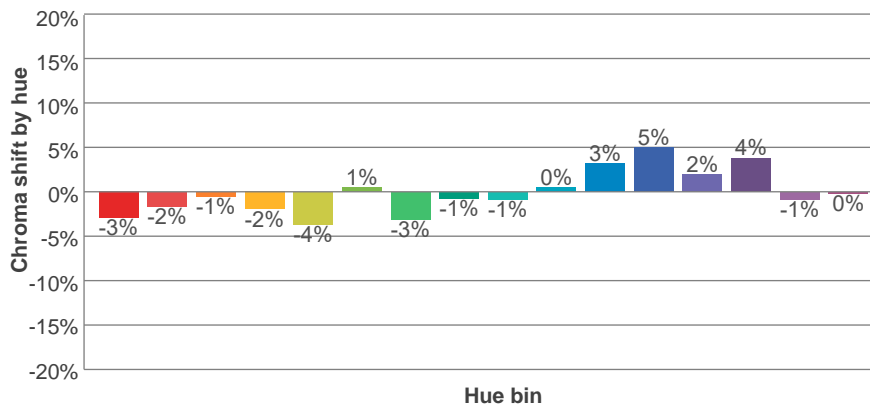
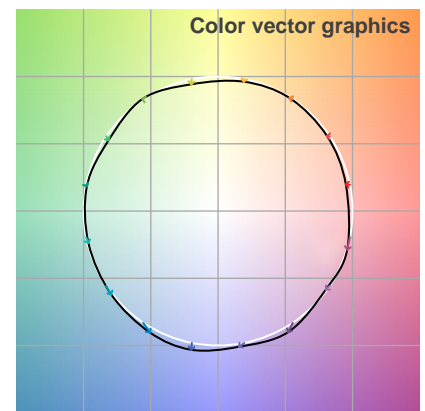
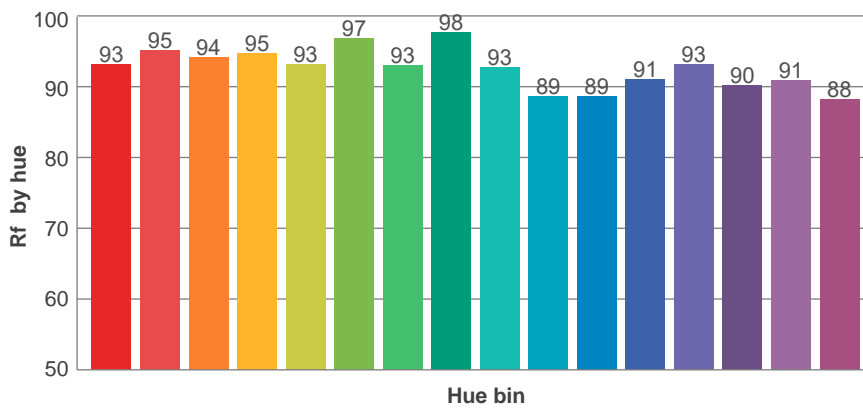
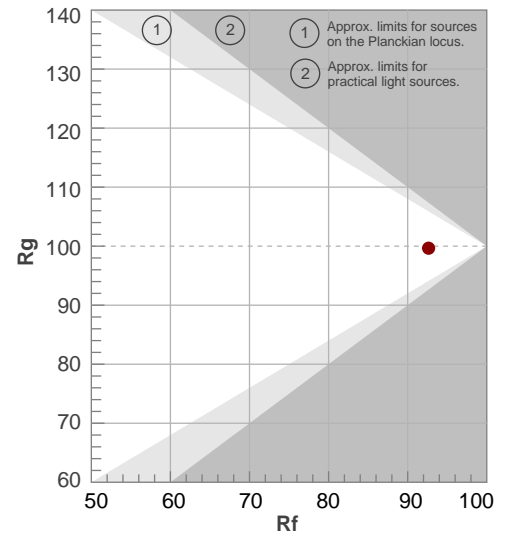
**Rf 92.6**

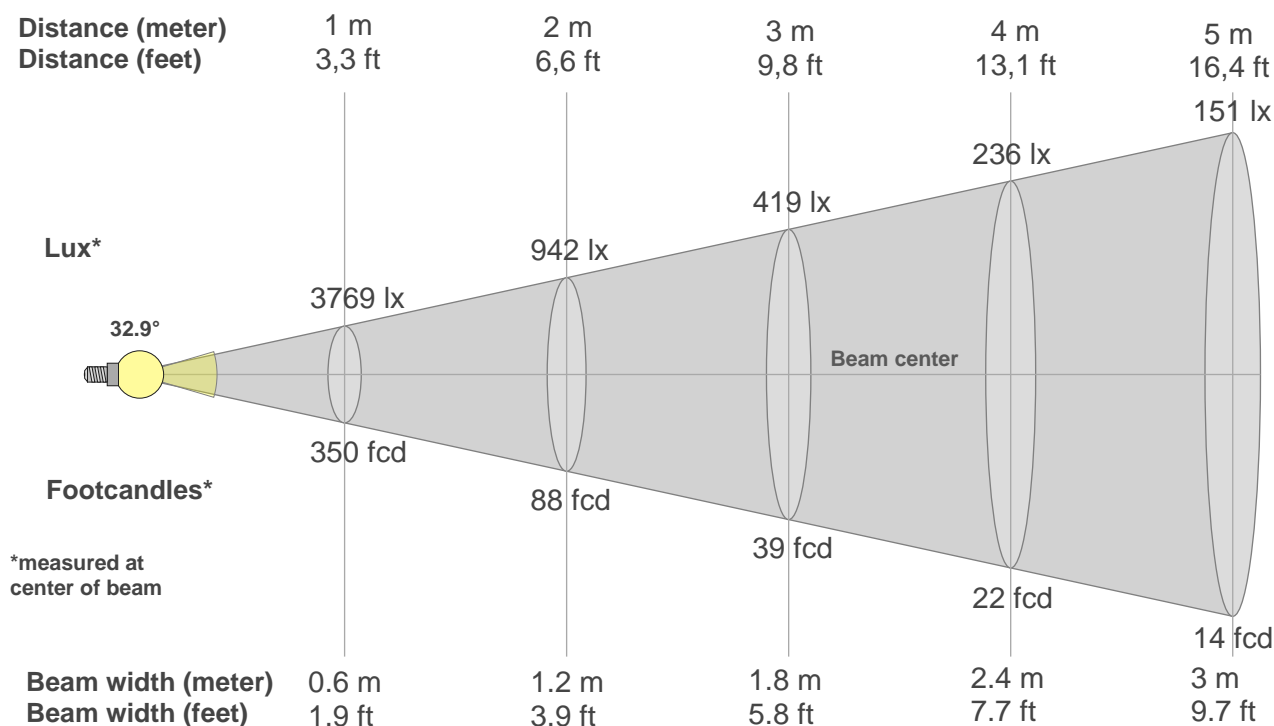
Fidelity index Rf

**Rg 99.7**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	-1%	3%
4	95	-2%	0%
5	93	-4%	1%
6	97	1%	0%
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%	-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
3769lx	942lx	419lx	236lx	151lx	105lx	77lx	59lx	47lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
350.1fcd	87.5fcd	38.9fcd	21.9fcd	14fcd	9.7fcd	7.1fcd	5.5fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	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°
3769	3750	3659	3484	3249	2968	2652	2311	1965	1637	1336	1066	831	646	492	368	270	197	145	106
100%	99%	97%	92%	86%	79%	70%	61%	52%	43%	35%	28%	22%	17%	13%	10%	7%	5%	4%	3%

#### 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°
3769	3728	3623	3455	3221	2942	2634	2306	1969	1646	1350	1086	857	666	515	394	298	223	164	123
100%	99%	96%	92%	85%	78%	70%	61%	52%	44%	36%	29%	23%	18%	14%	10%	8%	6%	4%	3%

#### 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°
3769	3719	3605	3423	3184	2909	2606	2283	1959	1649	1358	1095	866	680	526	402	303	227	172	130
100%	99%	96%	91%	84%	77%	69%	61%	52%	44%	36%	29%	23%	18%	14%	11%	8%	6%	5%	3%

#### 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°
3769	3743	3643	3468	3238	2964	2653	2314	1974	1648	1347	1075	850	660	504	378	278	208	155	115
100%	99%	97%	92%	86%	79%	70%	61%	52%	44%	36%	29%	23%	18%	13%	10%	7%	6%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.9°	60.2°	79°	99.3%	97.4%