

Light efficiency:

43 Lumen/Watt

Light quality:

CRI: 96.2

Color temperature:

2980 K

Output: 1606 lm

Peak: 3536 cd

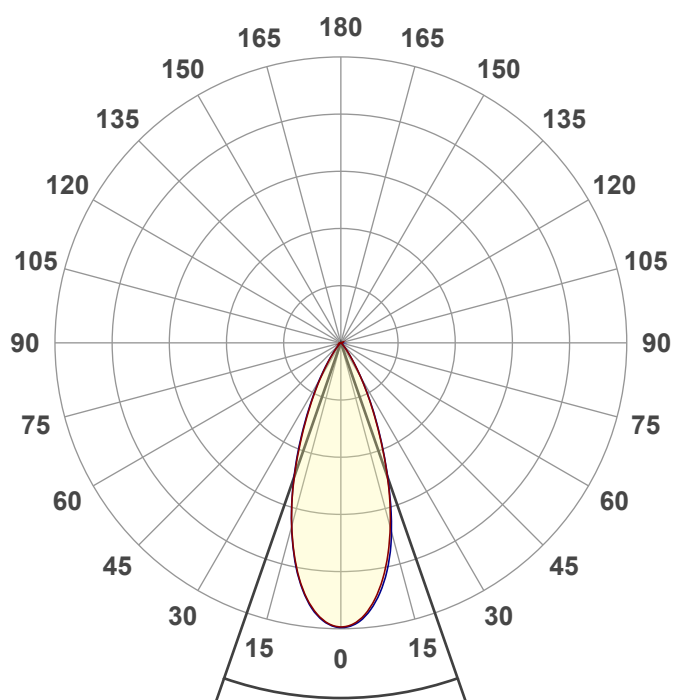
Power: 37.3 W

PF: 0.98



NU3-RA-WD-30LM-3018-97-40D-HETA-NL-WH-WH

Date and time:  
7/12/2022 9:24:12 AM



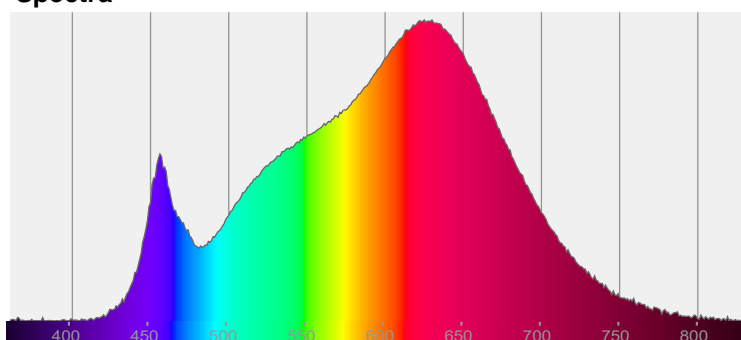
Beam angle

38.4°

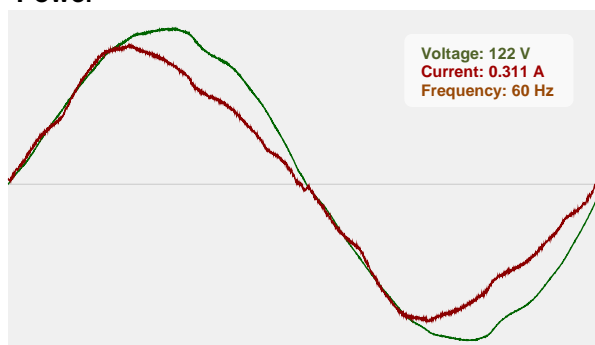


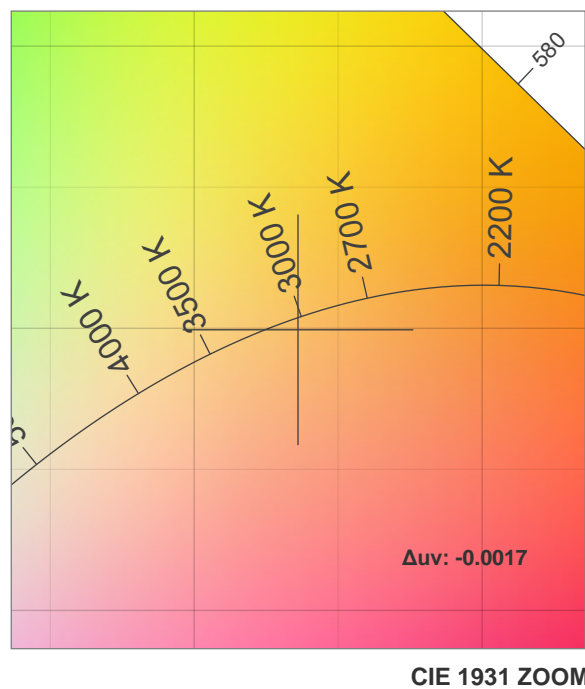
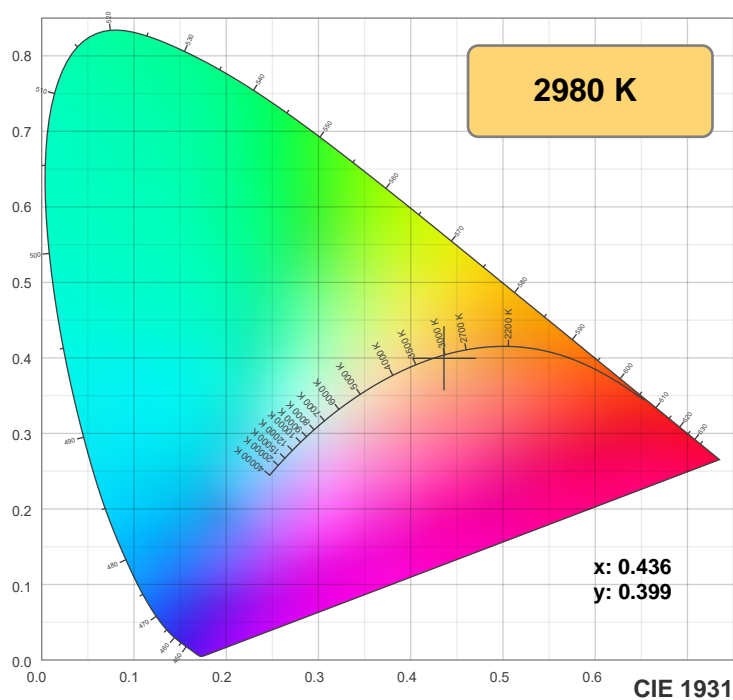
CIE 1931  
x: 0.436  
y: 0.399

Spectra

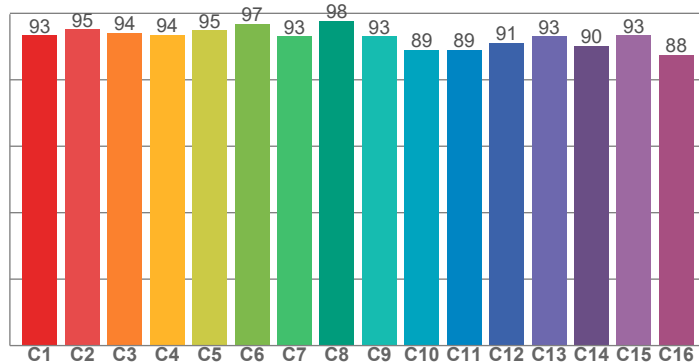


Power

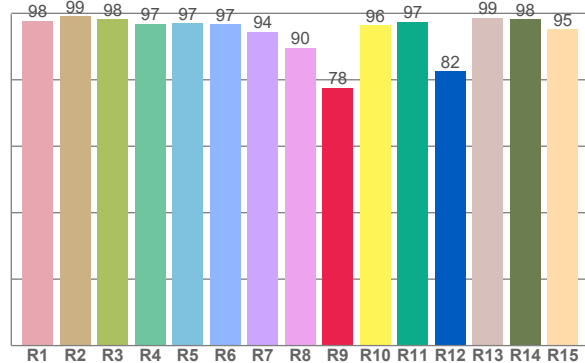




TM30: 92.8



CRI: 96.2 (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	99.2	98.2	96.9	97.0	96.8	94.4	89.7	77.6	96.4	97.5	82.5	98.7	98.1	95.2

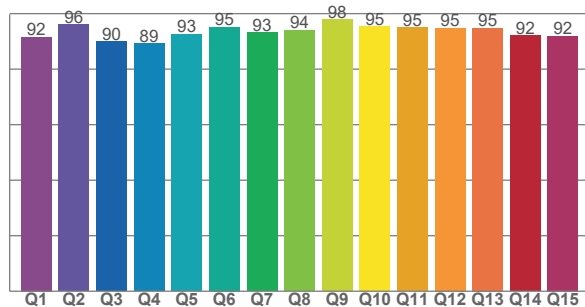
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.3	95.2	94.1	93.6	94.9	96.8	93.1	97.8	93.0	89.0	89.0	91.0	93.1	90.3	93.4	87.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.5	96.1	90.0	89.3	92.5	95.2	93.2	94.0	97.9	95.3	94.9	94.8	94.9	92.1	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	$\Delta uv$
2980 K	96.2	77.6	92.8	99.7	93.1	0.436	0.399	0.252	0.346	-0.0017

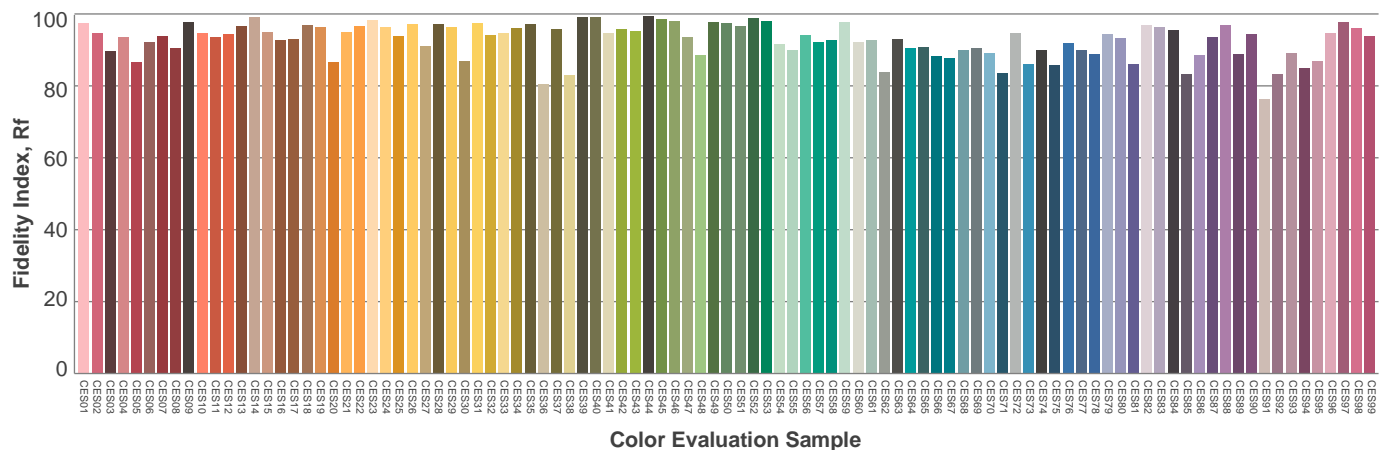
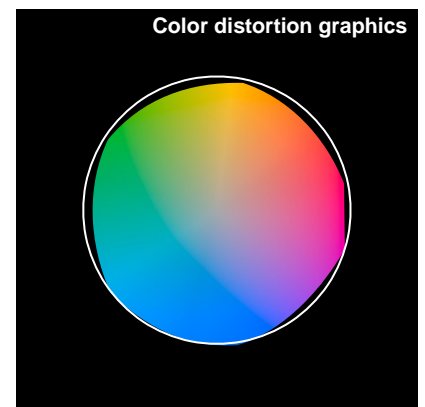
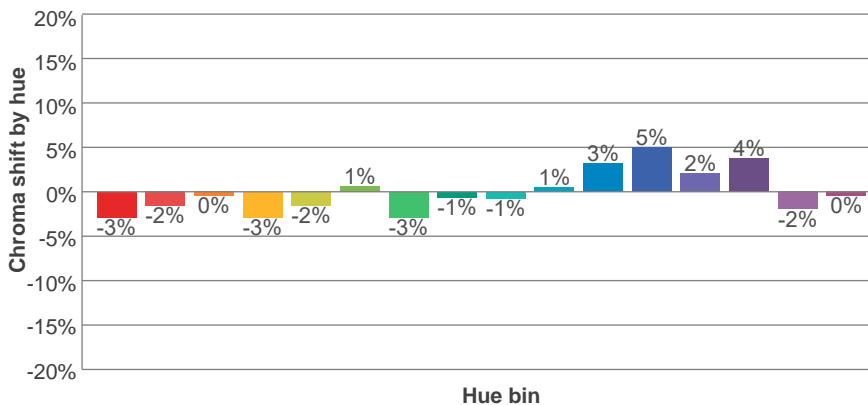
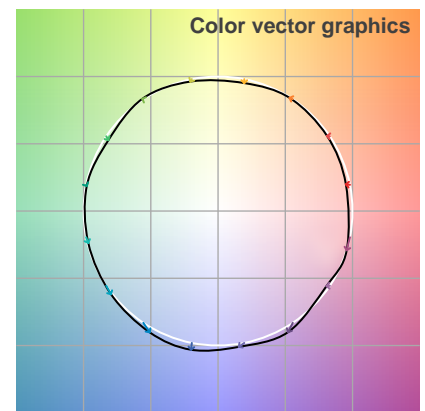
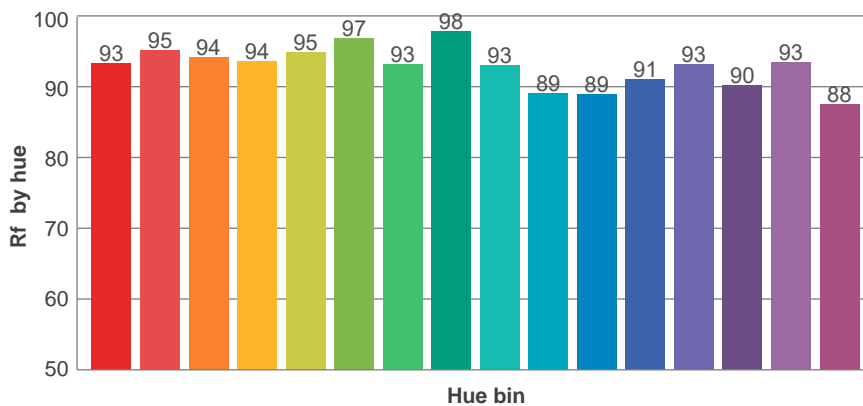
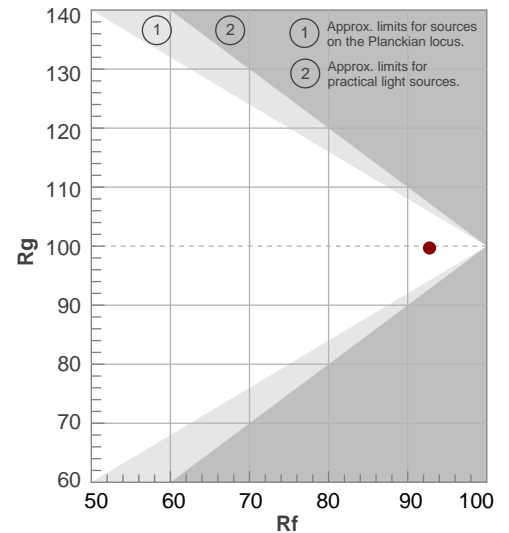
**Rf 92.8**

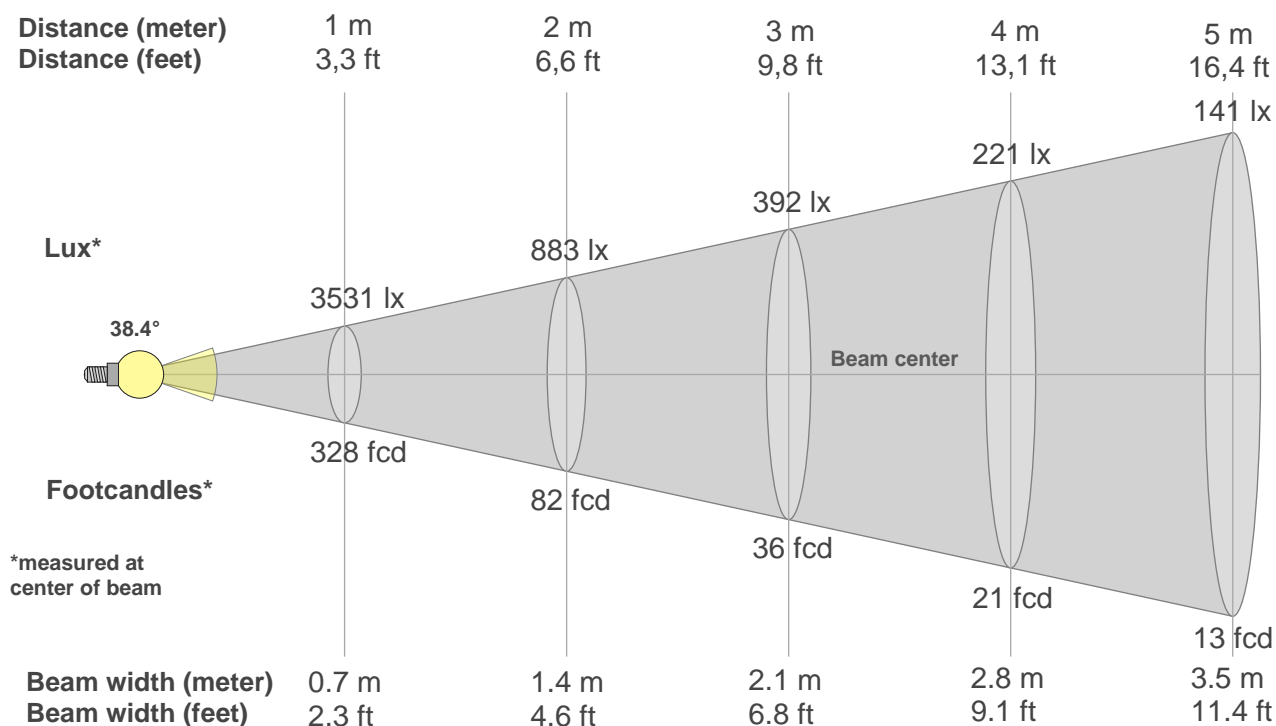
Fidelity index Rf

**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	0%	3%
4	94	-3%	-1%
5	95	-2%	1%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	4%
10	89	1%	7%
11	89	3%	8%
12	91	5%	0%
13	93	2%	-5%
14	90	4%	-7%
15	93	-2%	-2%
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
3531lx	883lx	392lx	221lx	141lx	98lx	72lx	55lx	44lx	35lx	29lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
328fcd	82fcd	36.4fcd	20.5fcd	13.1fcd	9.1fcd	6.7fcd	5.1fcd	4fcd	3.3fcd	2.7fcd	2.3fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

#### 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°
3531	3504	3435	3323	3172	2985	2756	2502	2228	1940	1637	1349	1090	861	663	498	364	258	178	119
100%	99%	97%	94%	90%	85%	78%	71%	63%	55%	46%	38%	31%	24%	19%	14%	10%	7%	5%	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°
3531	3515	3462	3356	3212	3035	2823	2575	2275	1963	1656	1366	1105	879	680	507	362	250	175	119
100%	100%	98%	95%	91%	86%	80%	73%	64%	56%	47%	39%	31%	25%	19%	14%	10%	7%	5%	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°
3531	3501	3428	3315	3164	2974	2742	2489	2220	1937	1639	1355	1097	869	674	510	376	269	187	128
100%	99%	97%	94%	90%	84%	78%	71%	63%	55%	46%	38%	31%	25%	19%	14%	11%	8%	5%	4%

#### 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°
3531	3507	3444	3334	3174	2980	2754	2499	2226	1944	1662	1387	1125	898	706	542	401	284	201	140
100%	99%	98%	94%	90%	84%	78%	71%	63%	55%	47%	39%	32%	25%	20%	15%	11%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38.4°	64.8°	79.8°	99.8%	98.7%