

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

2997 K

Output: 1445 lm

Peak: 3735 cd

Power: 37.2 W

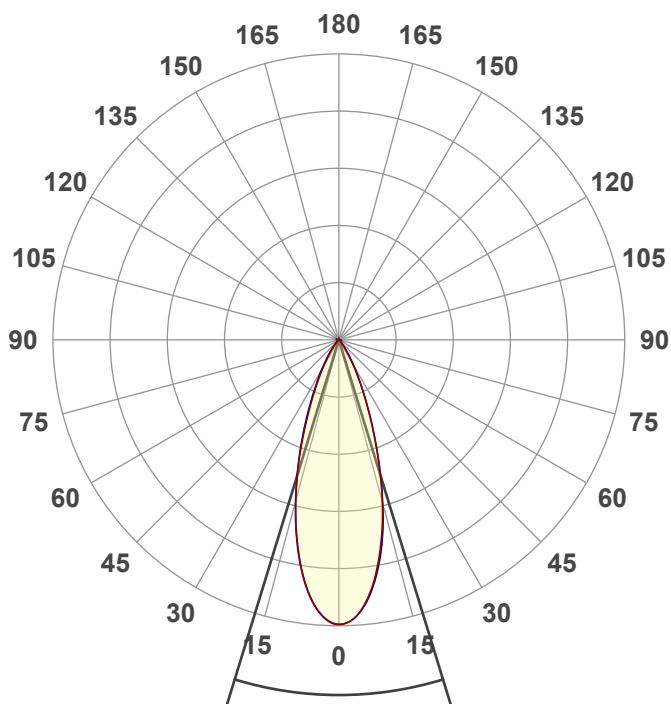
PF: 0.98



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

Date and time:

7/12/2022 9:12:55 AM



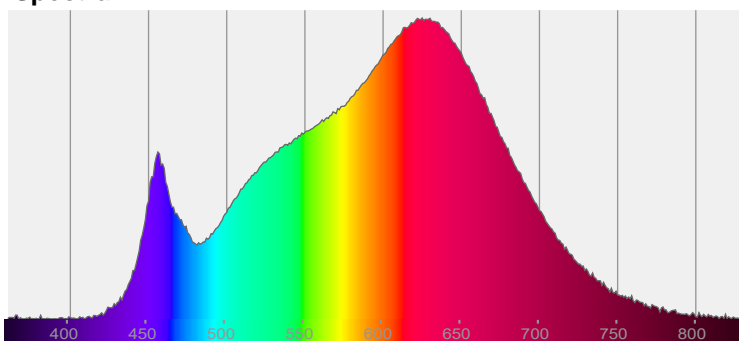
Beam angle

34.1°

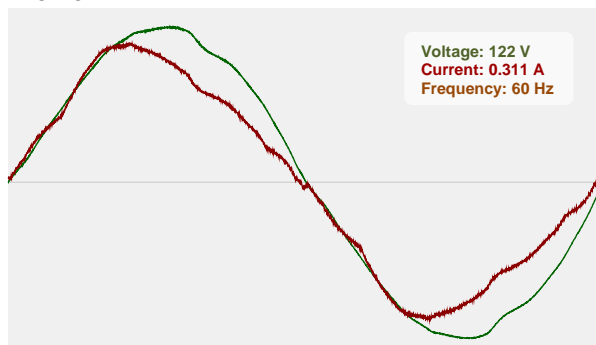


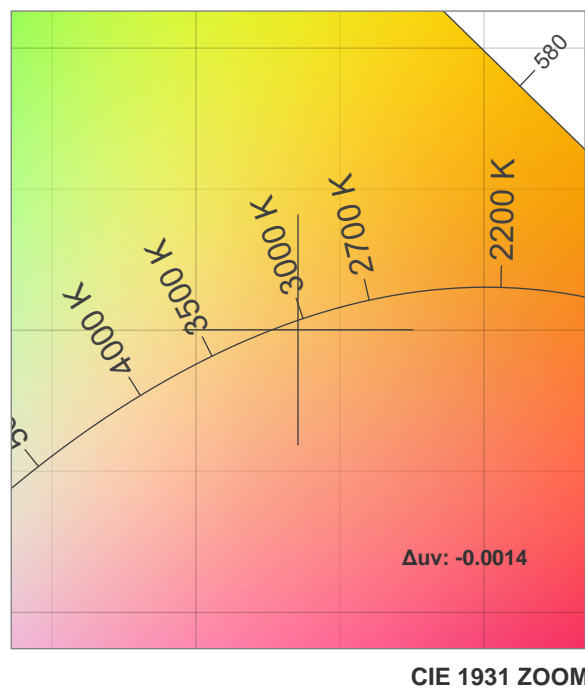
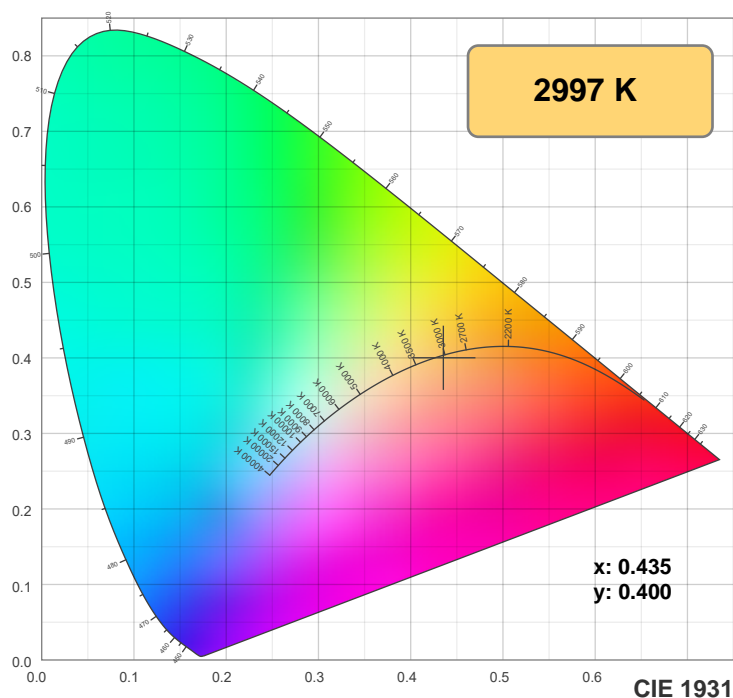
CIE 1931  
x: 0.435  
y: 0.400

Spectra

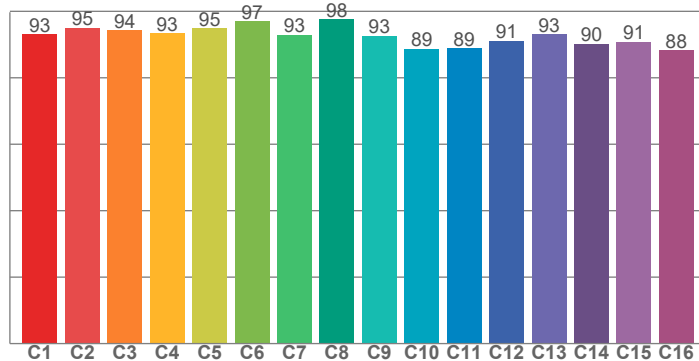


Power

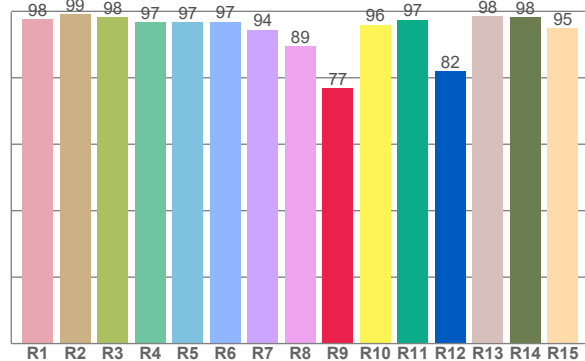




TM30: 92.6



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	99.1	98.3	96.7	96.7	96.9	94.4	89.4	76.8	96.0	97.4	82.0	98.4	98.1	94.8

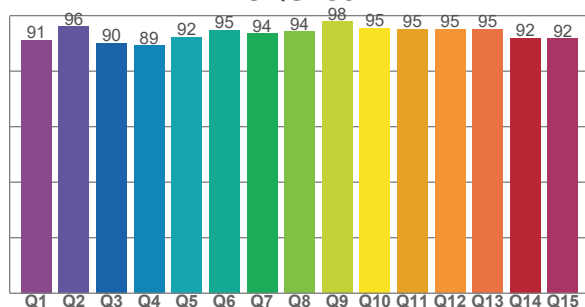
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.1	95.1	94.2	93.4	94.9	96.9	93.0	97.6	92.7	88.7	88.8	91.1	93.1	90.2	90.7	88.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.3	96.0	90.1	89.2	92.3	94.9	93.6	94.3	97.9	95.5	95.1	95.1	95.1	91.9	91.8

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	$\Delta uv$
2997 K	96.1	76.8	92.6	99.6	93.1	0.435	0.400	0.251	0.346	-0.0014

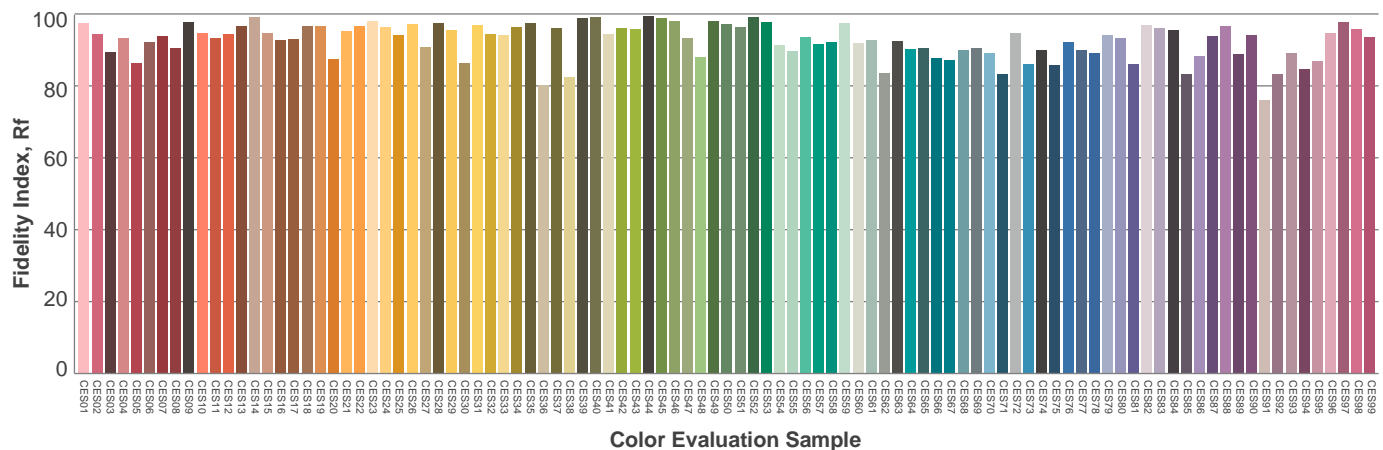
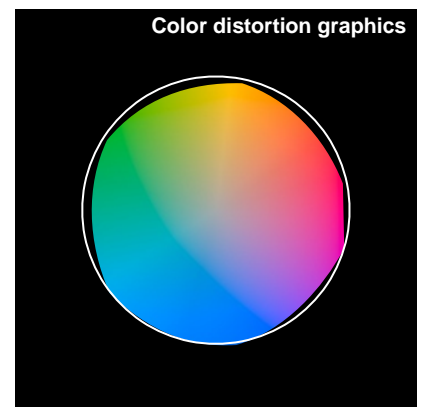
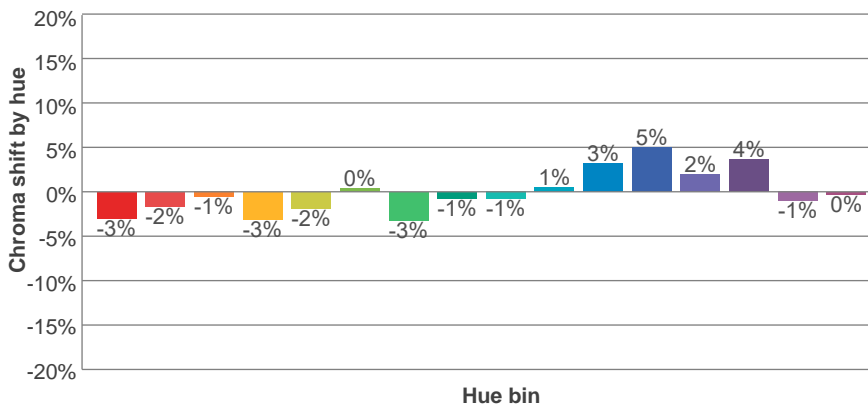
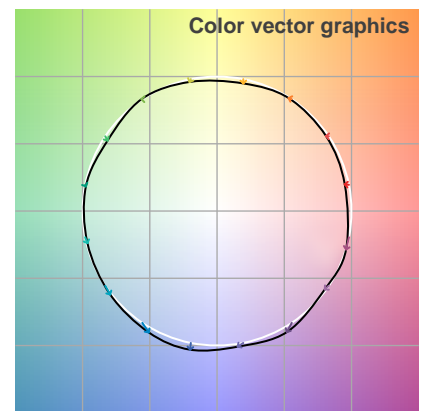
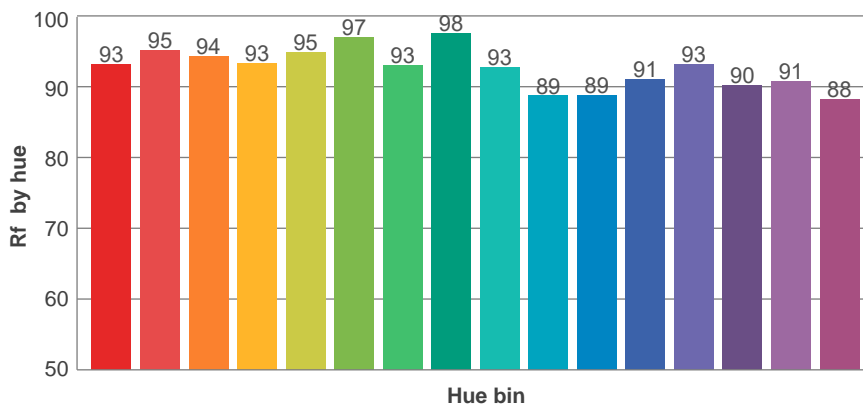
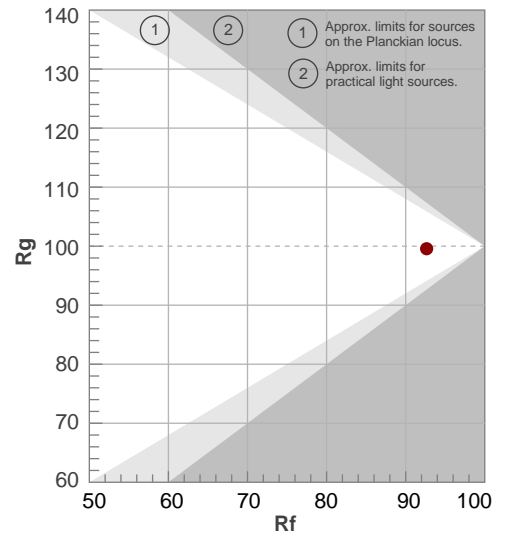
**Rf 92.6**

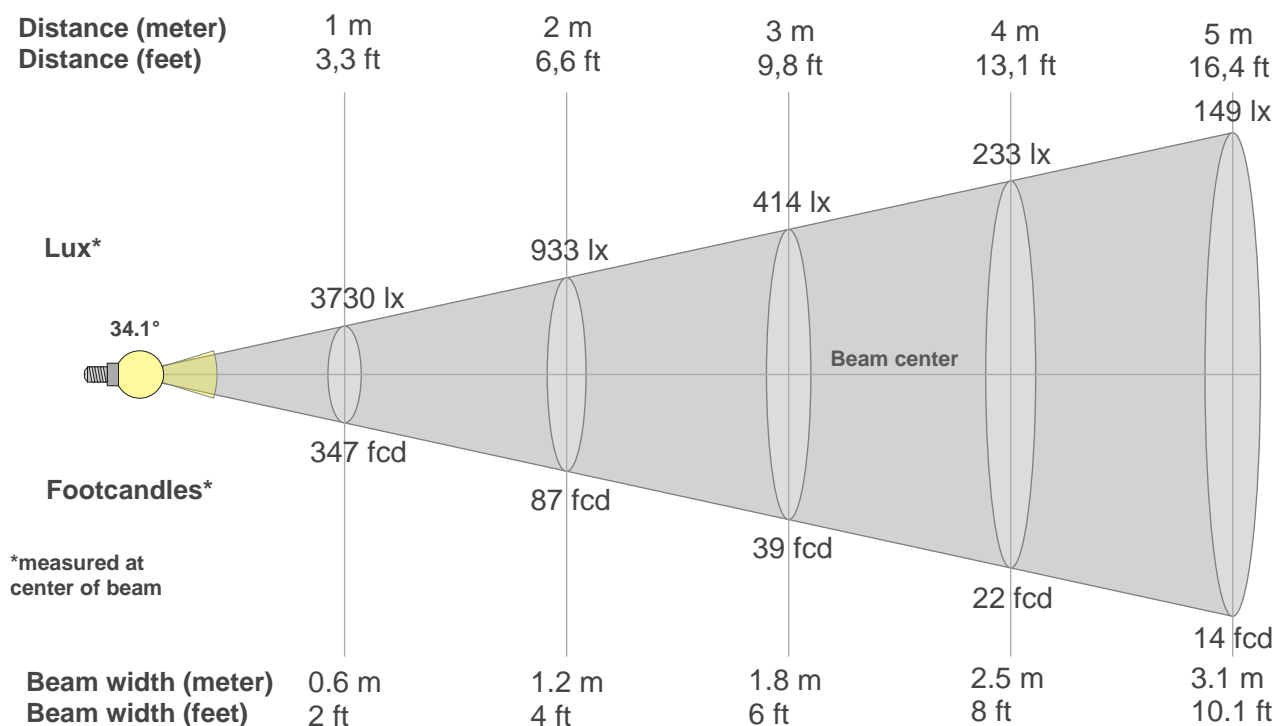
Fidelity index Rf

**Rg 99.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	-1%	2%
4	93	-3%	-1%
5	95	-2%	1%
6	97	0%	0%
7	93	-3%	2%
8	98	-1%	1%
9	93	-1%	5%
10	89	1%	7%
11	89	3%	8%
12	91	5%	0%
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
3730lx	933lx	414lx	233lx	149lx	104lx	76lx	58lx	46lx	37lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
346.5fcd	86.6fcd	38.5fcd	21.7fcd	13.9fcd	9.6fcd	7.1fcd	5.4fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.5fcd	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°
3730	3700	3608	3449	3233	2969	2679	2370	2047	1717	1392	1109	868	671	510	379	273	196	138	97
100%	99%	97%	92%	87%	80%	72%	64%	55%	46%	37%	30%	23%	18%	14%	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°
3730	3708	3613	3460	3253	3006	2722	2402	2047	1700	1385	1109	873	673	509	377	274	195	136	93
100%	99%	97%	93%	87%	81%	73%	64%	55%	46%	37%	30%	23%	18%	14%	10%	7%	5%	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°
3730	3696	3595	3438	3218	2956	2666	2358	2041	1721	1400	1121	885	690	531	401	296	216	155	111
100%	99%	96%	92%	86%	79%	71%	63%	55%	46%	38%	30%	24%	19%	14%	11%	8%	6%	4%	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°
3730	3688	3584	3422	3205	2946	2653	2340	2027	1727	1442	1172	931	738	581	450	342	255	185	132
100%	99%	96%	92%	86%	79%	71%	63%	54%	46%	39%	31%	25%	20%	16%	12%	9%	7%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.1°	61°	77.6°	99.7%	98.5%