

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3106 K

Output: 752 lm

Peak: 2720 cd

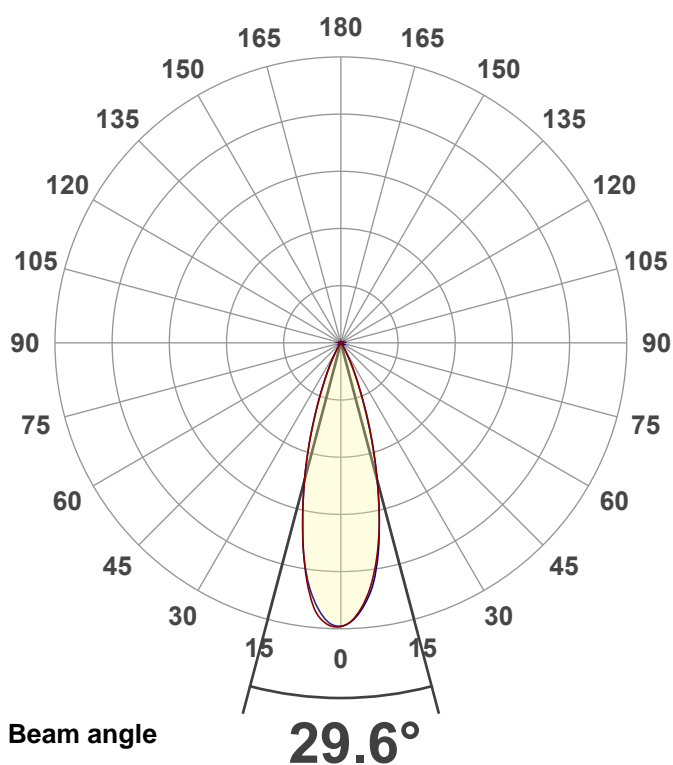
Power: 19.1 W

PF: 0.97



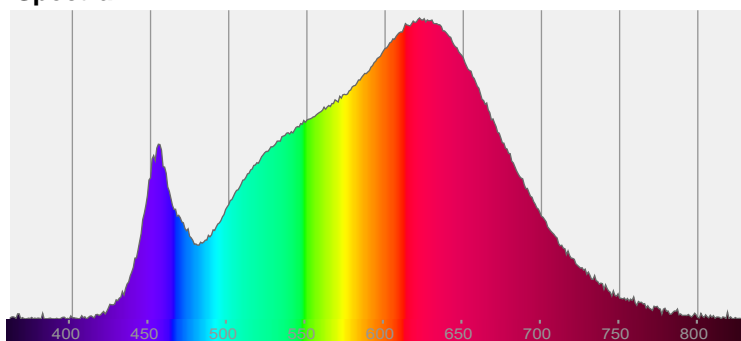
NU3-RA-WD-15LM-3018-97-35D-HCL-NL-WH-WH

Date and time:  
7/14/2022 11:03:21 AM

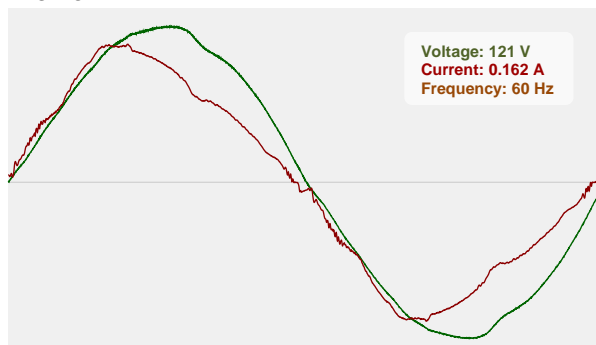


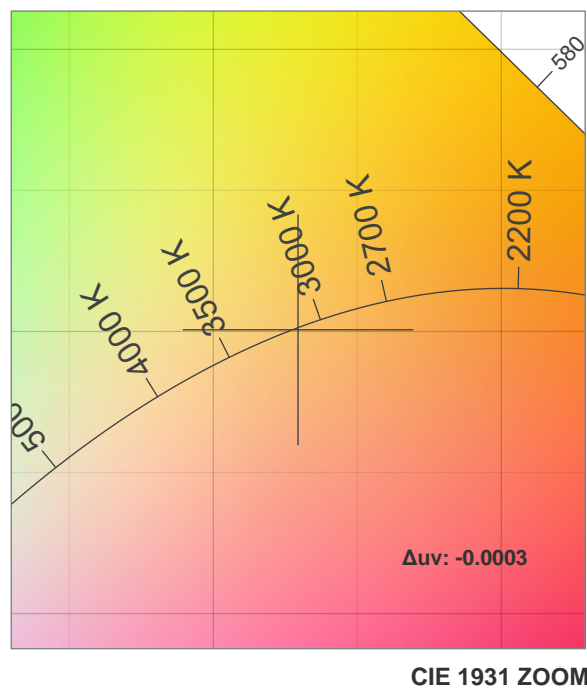
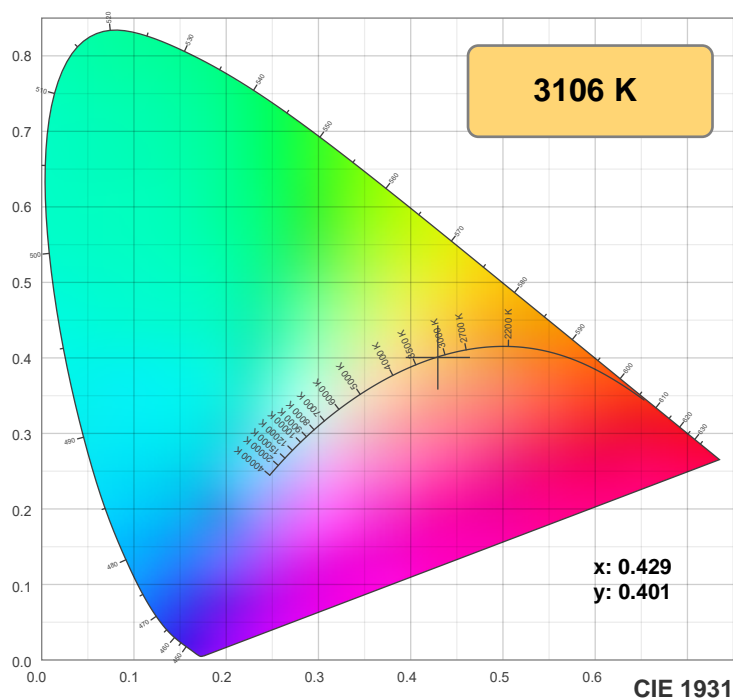
CIE 1931  
x: 0.429  
y: 0.401

Spectra

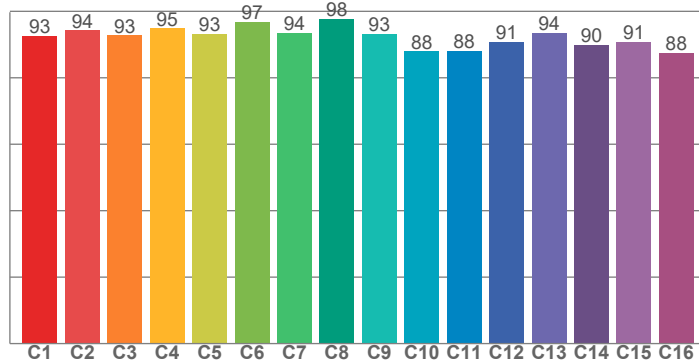


Power

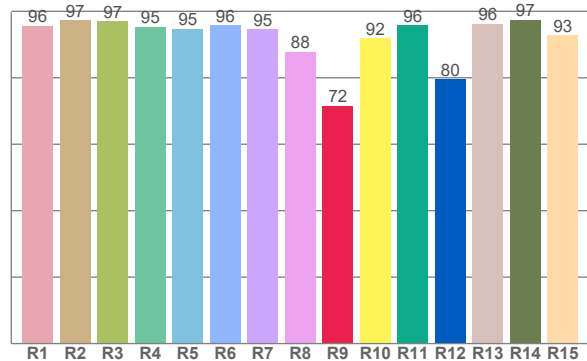




TM30: 92.4



CRI: 94.8 (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
95.7	97.3	97.0	95.4	94.8	95.8	94.6	87.8	71.6	92.0	95.9	79.6	96.3	97.5	92.7

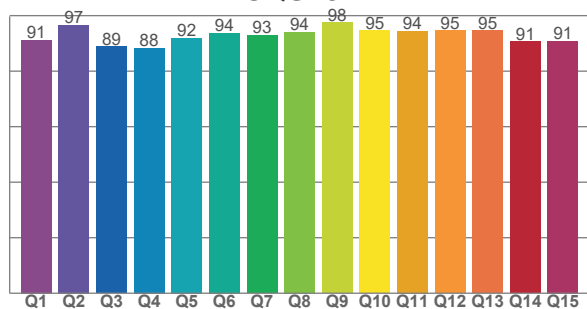
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.7	94.3	92.7	94.8	93.3	96.8	93.6	97.7	93.3	87.9	88.1	90.9	93.6	89.9	90.9	87.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.2	96.6	88.8	88.3	91.9	93.7	92.9	94.1	97.5	94.7	94.4	94.6	94.7	90.6	90.8

CQS: 92.4



## 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
3106 K	94.8	71.6	92.4	99.6	92.4	0.429	0.401	0.247	0.346	-0.0003

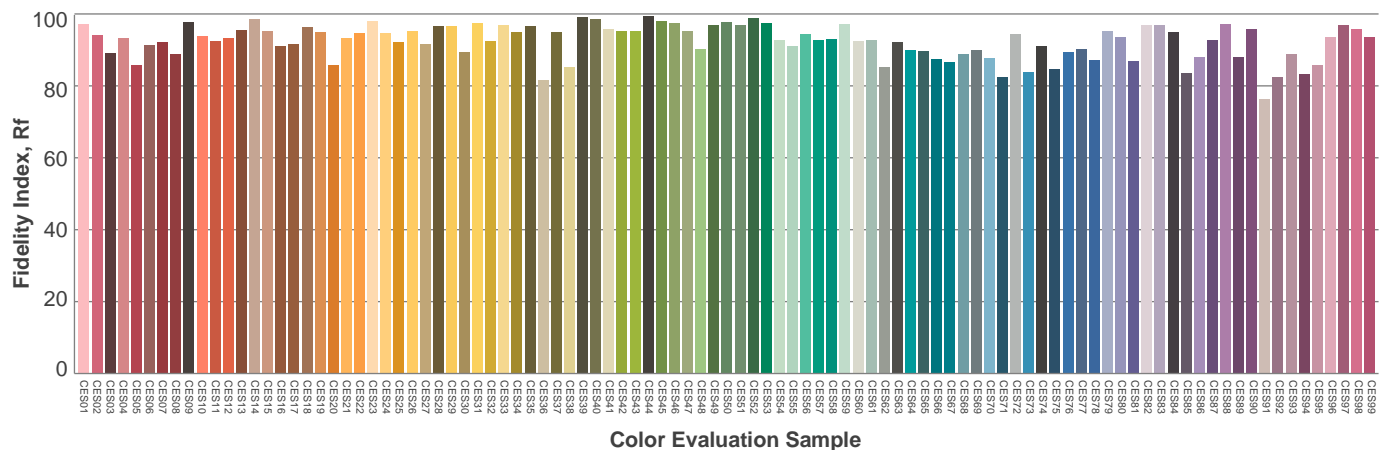
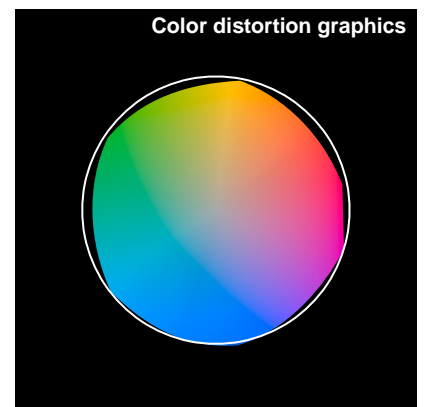
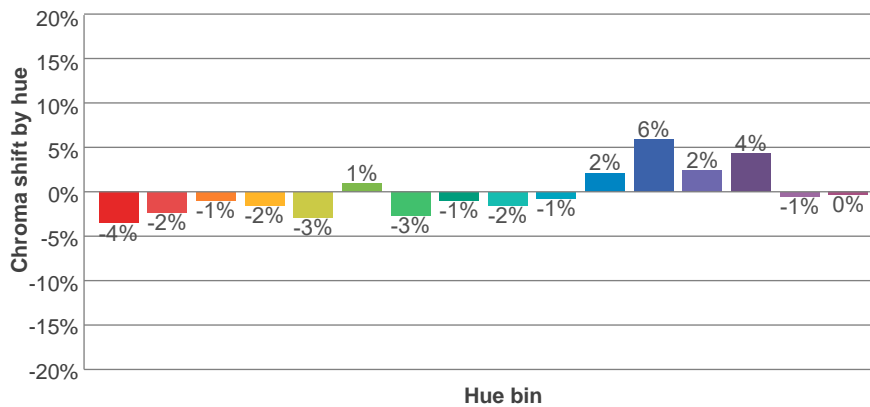
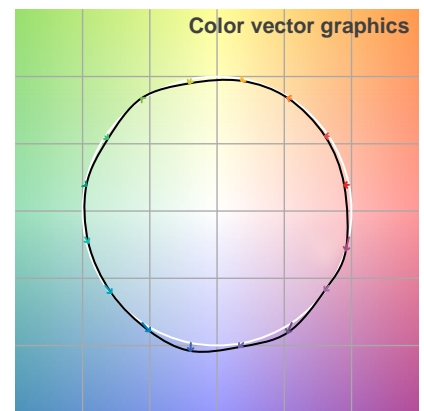
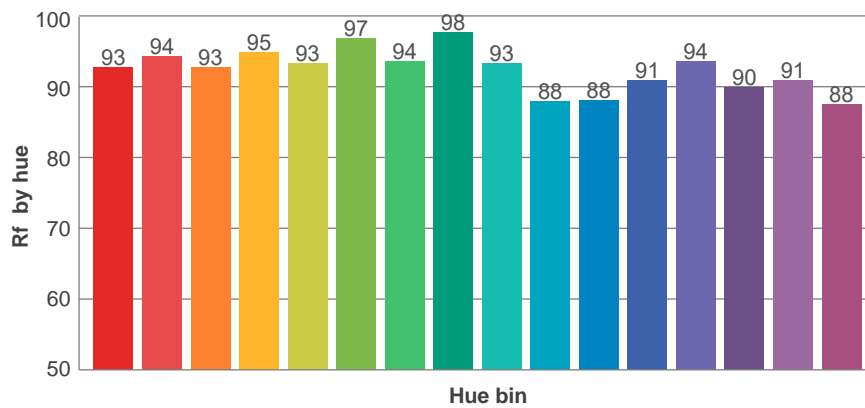
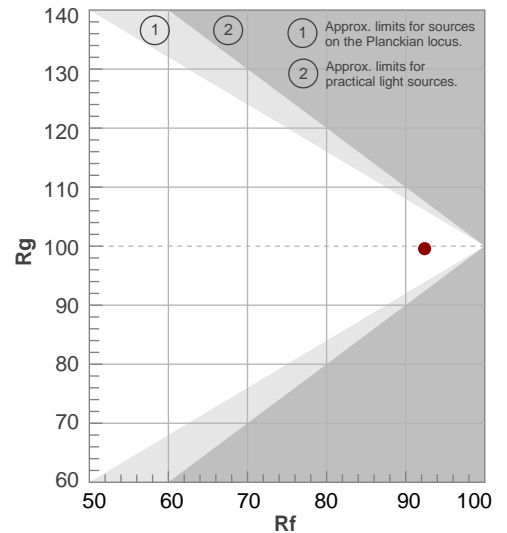
**Rf 92.4**

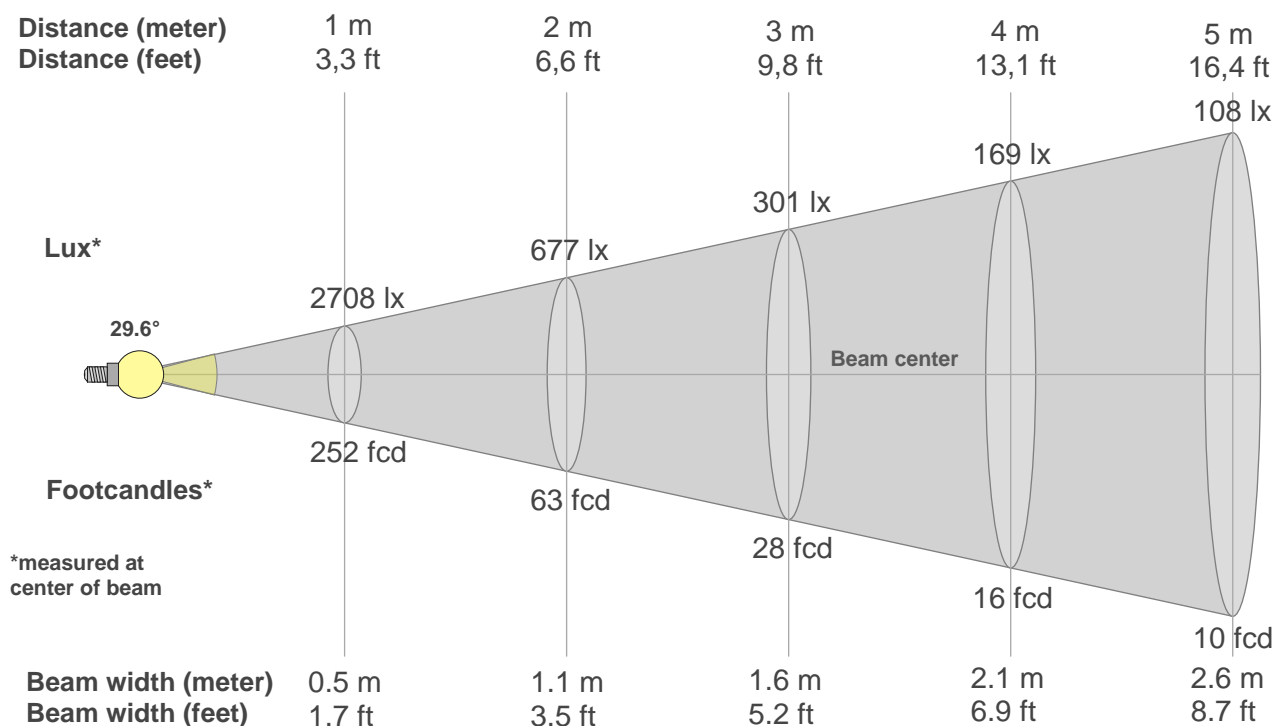
Fidelity index Rf

**Rg 99.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	94	-2%	2%
3	93	-1%	3%
4	95	-2%	1%
5	93	-3%	2%
6	97	1%	0%
7	94	-3%	0%
8	98	-1%	0%
9	93	-2%	4%
10	88	-1%	7%
11	88	2%	8%
12	91	6%	1%
13	94	2%	-4%
14	90	4%	-7%
15	91	-1%	-5%
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
2708lx	677lx	301lx	169lx	108lx	75lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx	7lx
251.6fcd	62.9fcd	28fcd	15.7fcd	10.1fcd	7fcd	5.1fcd	3.9fcd	3.1fcd	2.5fcd	2.1fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd

#### 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°
2708	2668	2566	2422	2238	2018	1767	1479	1204	947	712	503	352	242	158	93	45	25	14	8
100%	99%	95%	89%	83%	75%	65%	55%	44%	35%	26%	19%	13%	9%	6%	3%	2%	1%	1%	0%

#### 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°
2708	2665	2577	2451	2284	2052	1768	1478	1193	921	676	485	341	227	133	74	42	24	14	8
100%	98%	95%	91%	84%	76%	65%	55%	44%	34%	25%	18%	13%	8%	5%	3%	2%	1%	0%	0%

#### 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°
2708	2701	2644	2524	2315	2046	1761	1478	1204	935	700	504	351	238	150	89	51	30	19	13
100%	100%	98%	93%	85%	76%	65%	55%	44%	35%	26%	19%	13%	9%	6%	3%	2%	1%	1%	0%

#### 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°
2708	2687	2599	2463	2281	2050	1758	1474	1201	941	701	505	360	246	158	99	56	33	21	15
100%	99%	96%	91%	84%	76%	65%	54%	44%	35%	26%	19%	13%	9%	6%	4%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29.6°	50.8°	62°	99.6%	99.4%