

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3134 K

Output: 1001 lm

Peak: 3282 cd

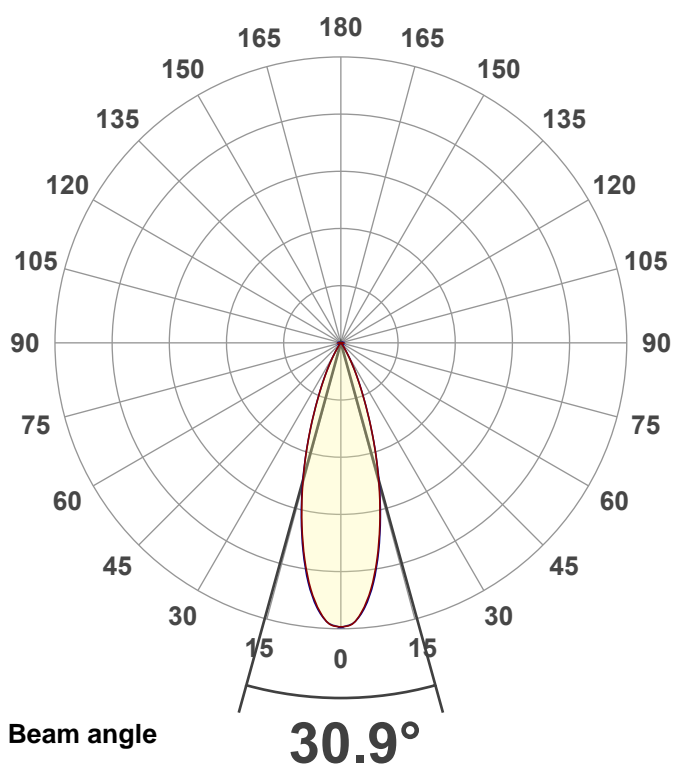
Power: 25.5 W

PF: 0.97



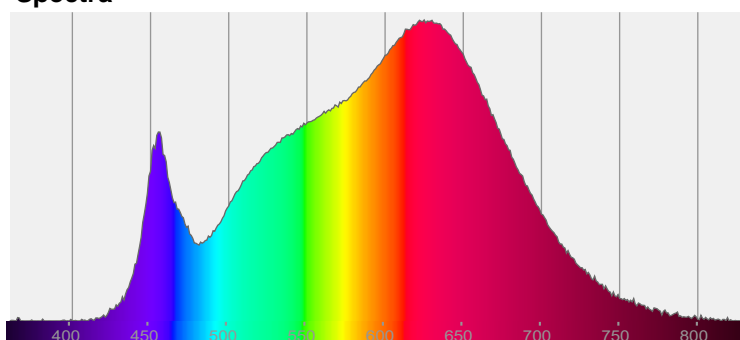
NU3-RA-WD-20LM-3018-97-35D-HCL-NL-WH-WH

Date and time:  
7/12/2022 11:32:46 AM

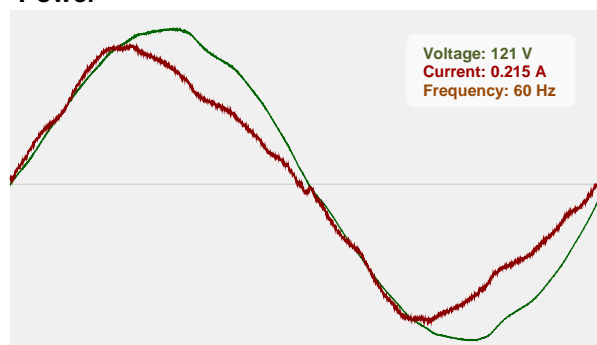


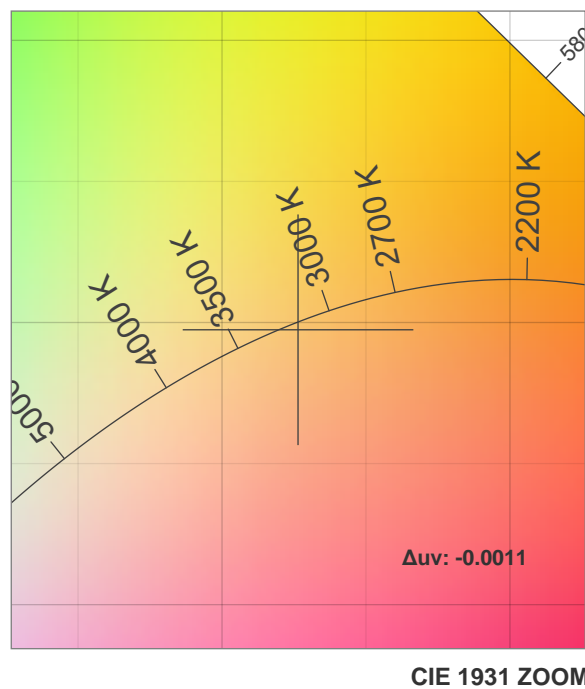
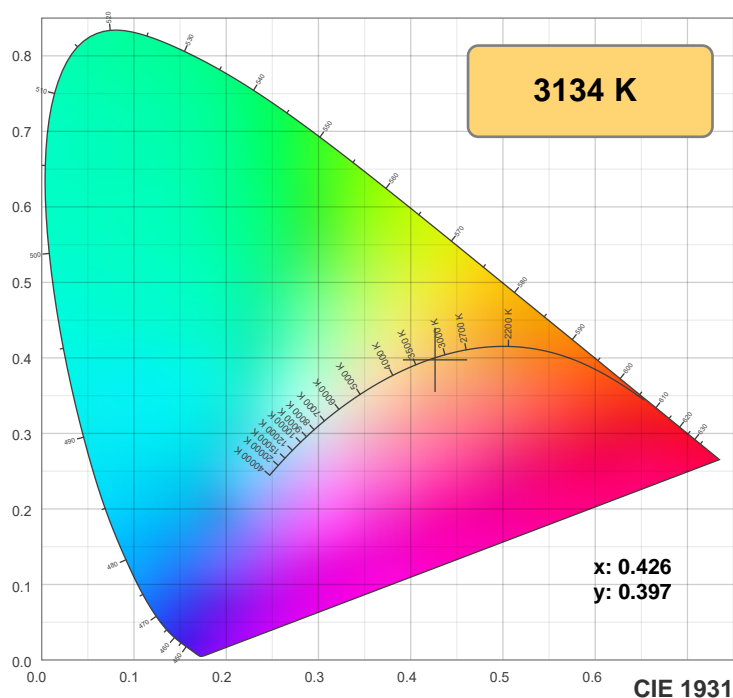
CIE 1931  
x: 0.426  
y: 0.397

Spectra

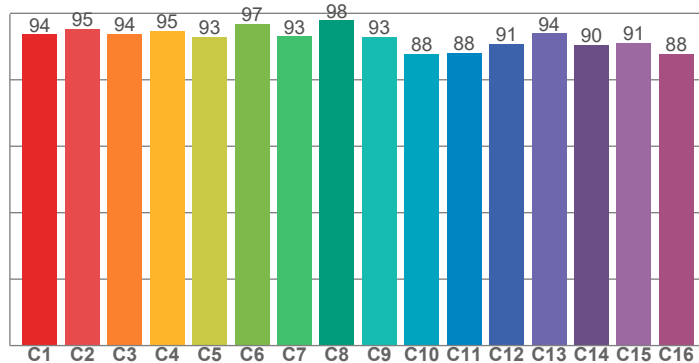


Power

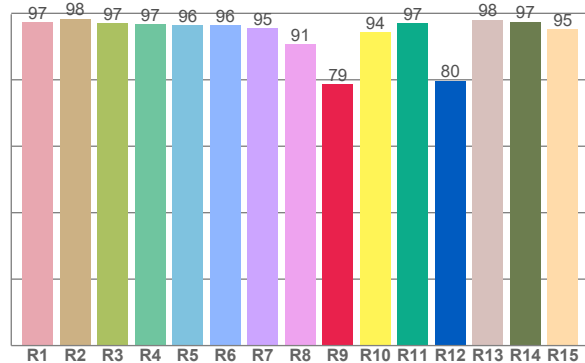




TM30: 92.6



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
97.4	98.4	97.0	96.8	96.4	96.4	95.5	90.7	78.6	94.3	97.0	79.7	98.1	97.4	95.1

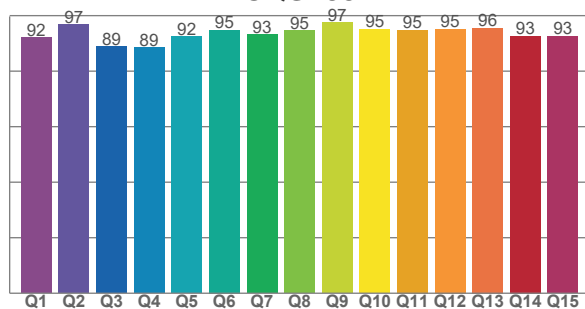
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.6	95.3	93.8	94.7	92.9	96.8	93.1	97.9	93.0	87.8	88.0	90.8	93.9	90.5	91.2	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.2	96.8	88.9	88.5	92.4	94.8	93.1	94.6	97.5	95.1	94.9	95.2	95.6	92.6	92.5

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
3134 K	96.1	78.6	92.6	100.0	93.1	0.426	0.397	0.247	0.345	-0.0011

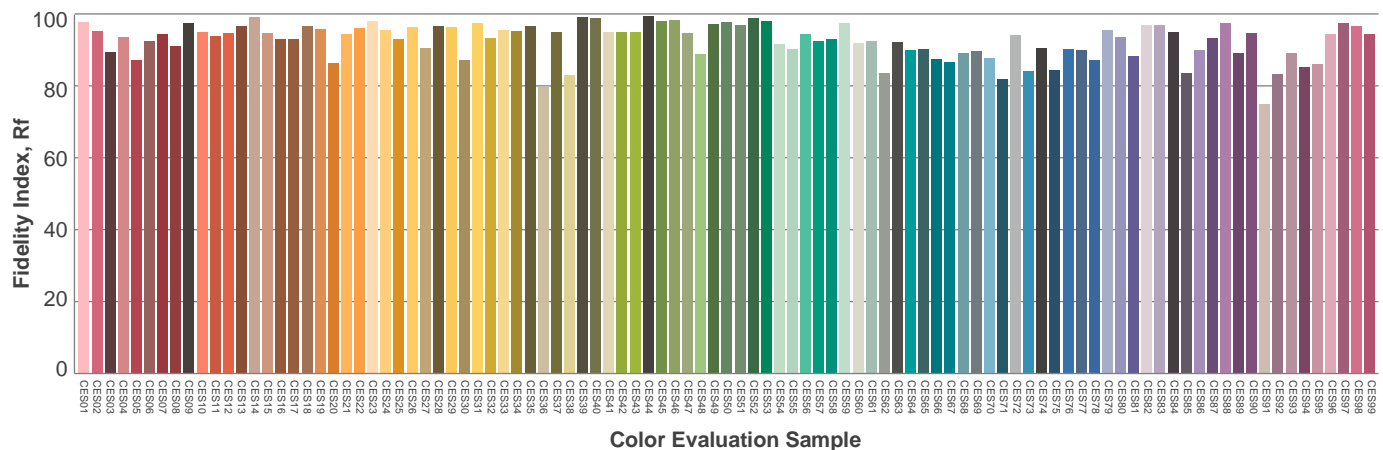
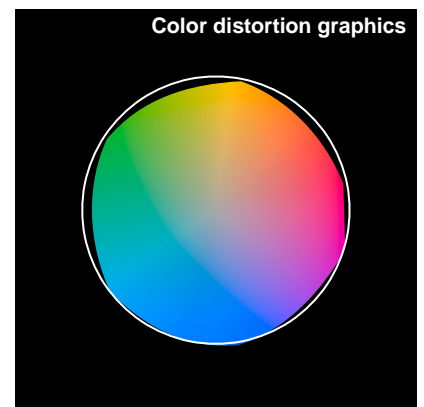
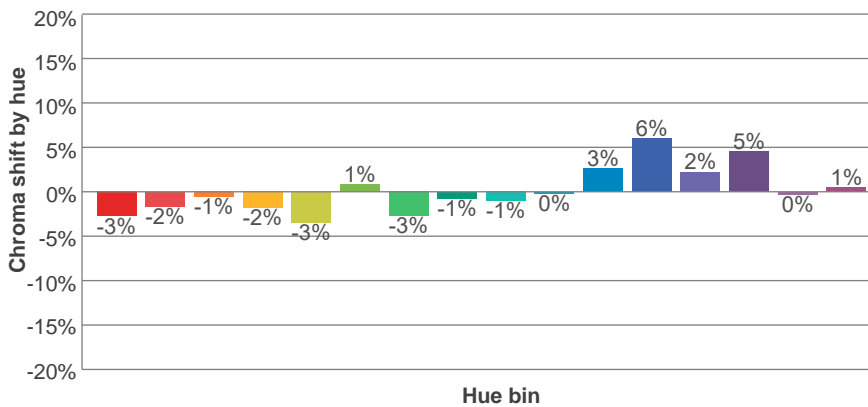
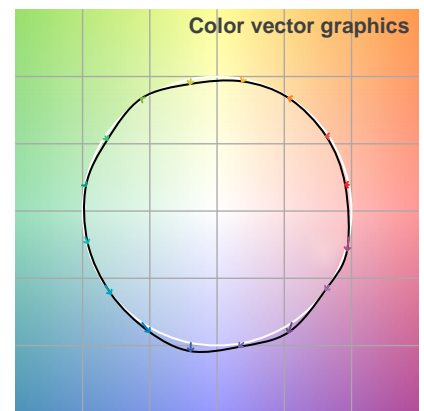
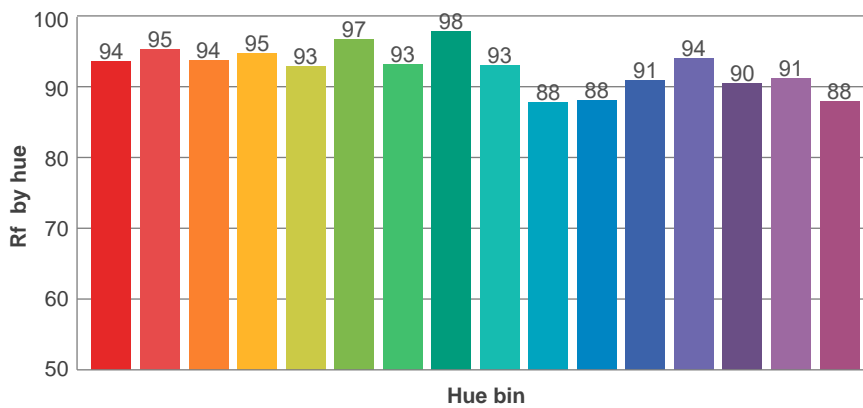
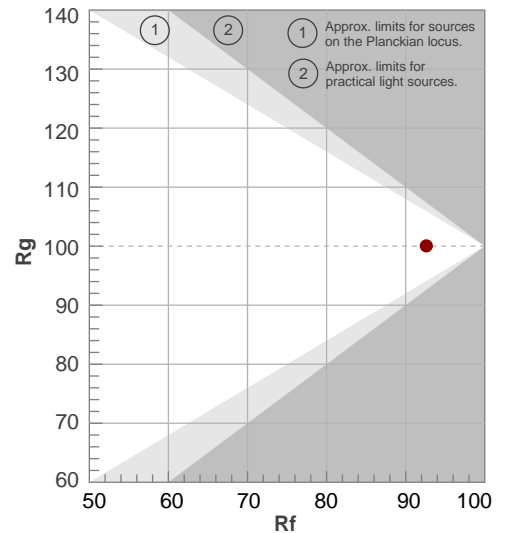
**Rf 92.6**

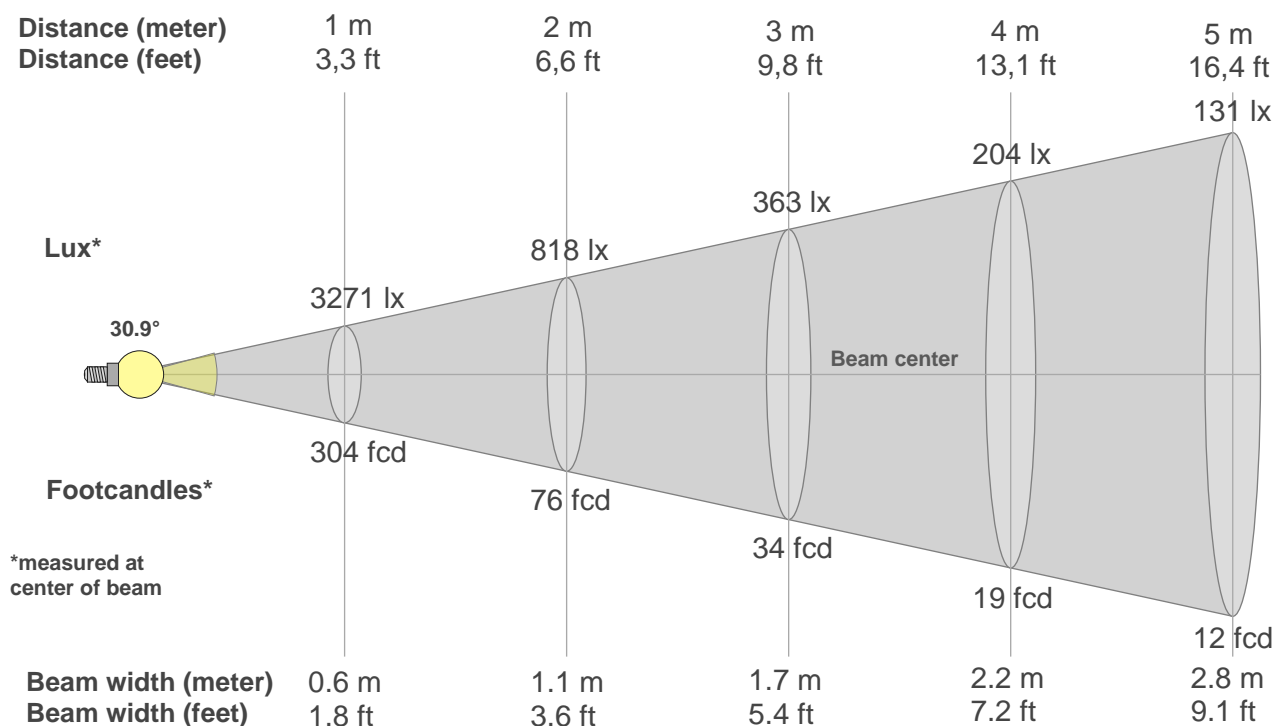
Fidelity index Rf

**Rg 100.0**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	95	-2%	1%
3	94	-1%	3%
4	95	-2%	0%
5	93	-3%	1%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	5%
10	88	0%	7%
11	88	3%	8%
12	91	6%	1%
13	94	2%	-3%
14	90	5%	-6%
15	91	0%	-4%
16	88	1%	-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
3271lx	818lx	363lx	204lx	131lx	91lx	67lx	51lx	40lx	33lx	27lx	23lx	19lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx
303.8fcd	76fcd	33.8fcd	19fcd	12.2fcd	8.4fcd	6.2fcd	4.7fcd	3.8fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	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°
3271	3244	3128	2948	2718	2448	2152	1849	1549	1260	988	740	551	400	277	177	106	65	39	24
100%	99%	96%	90%	83%	75%	66%	57%	47%	39%	30%	23%	17%	12%	8%	5%	3%	2%	1%	1%

#### 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°
3271	3234	3133	2969	2748	2473	2174	1868	1561	1257	978	744	552	395	266	174	110	67	39	24
100%	99%	96%	91%	84%	76%	66%	57%	48%	38%	30%	23%	17%	12%	8%	5%	3%	2%	1%	1%

#### 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°
3271	3244	3128	2948	2718	2448	2152	1849	1549	1260	988	740	551	400	277	177	106	65	39	24
100%	99%	96%	90%	83%	75%	66%	57%	47%	39%	30%	23%	17%	12%	8%	5%	3%	2%	1%	1%

#### 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°
3271	3234	3133	2969	2748	2473	2174	1868	1561	1257	978	744	552	395	266	174	110	67	39	24
100%	99%	96%	91%	84%	76%	66%	57%	48%	38%	30%	23%	17%	12%	8%	5%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.9°	54°	66°	99.6%	99.3%