

Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3119 K

Output: 1317 lm

Peak: 3361 cd

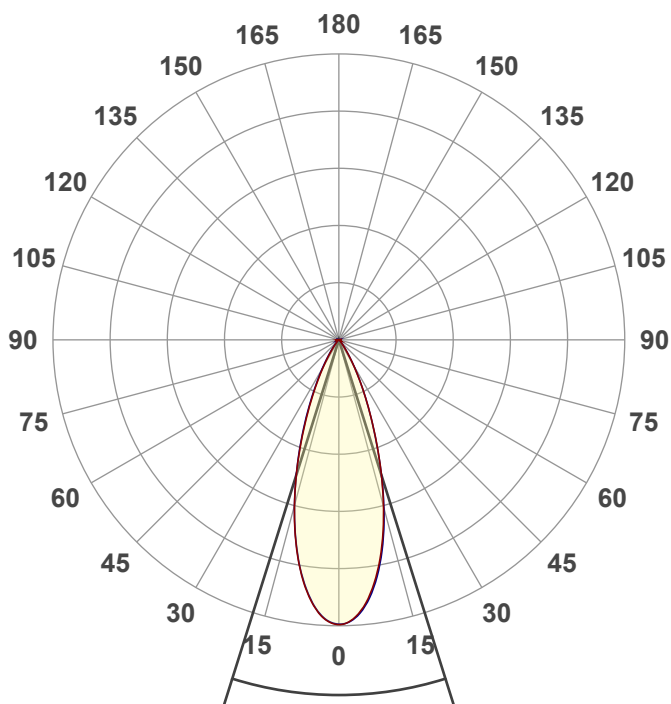
Power: 25.5 W

PF: 0.97



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

Date and time:  
7/12/2022 1:37:43 PM



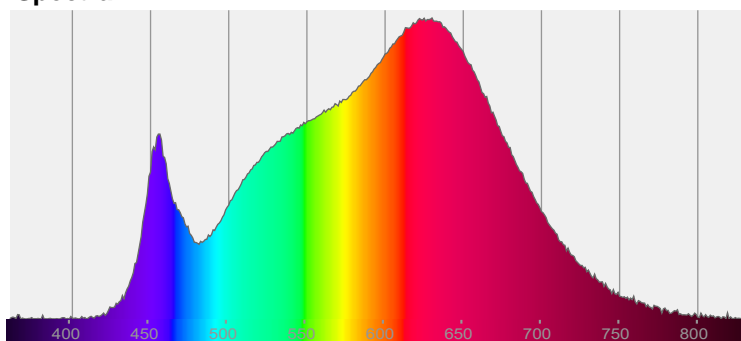
Beam angle

34.9°

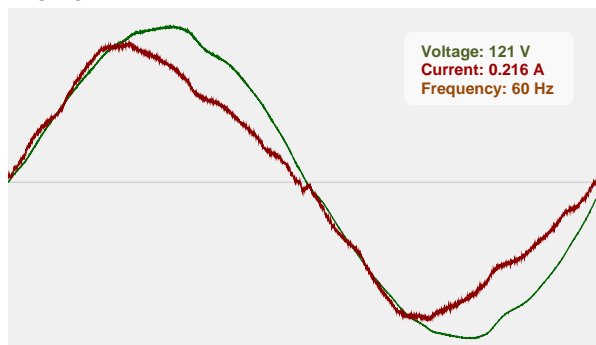


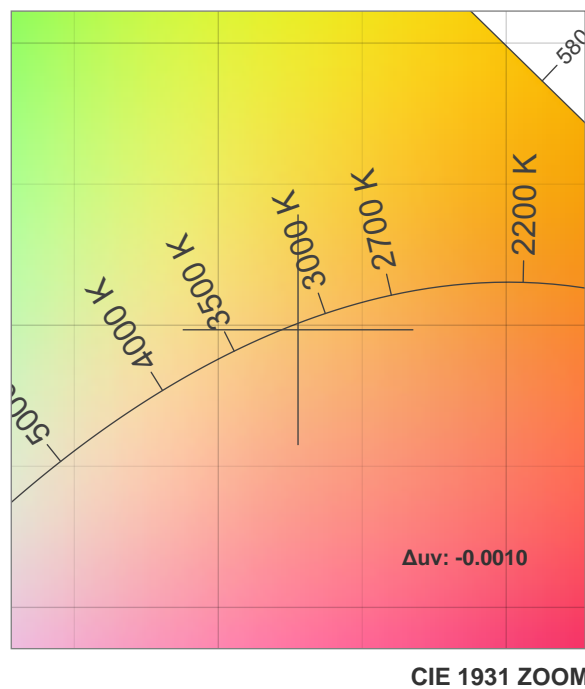
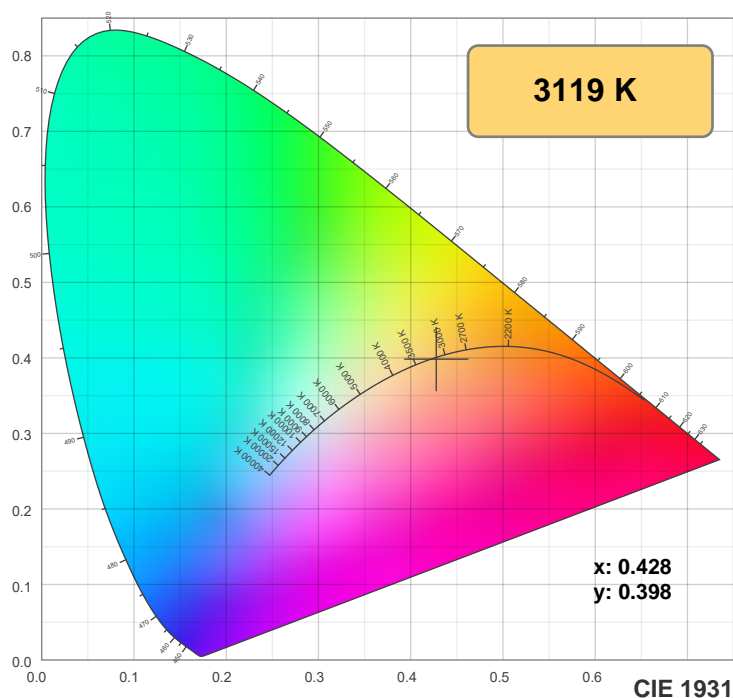
CIE 1931  
x: 0.428  
y: 0.398

Spectra

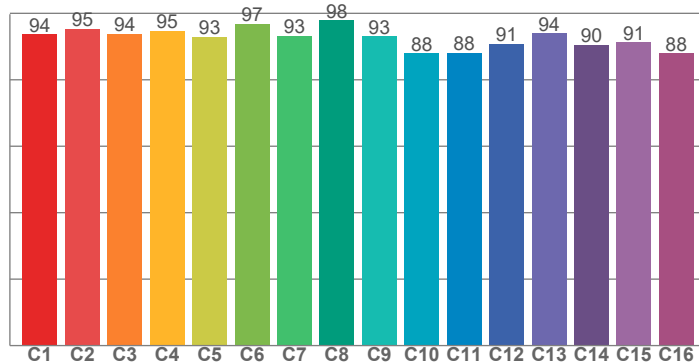


Power

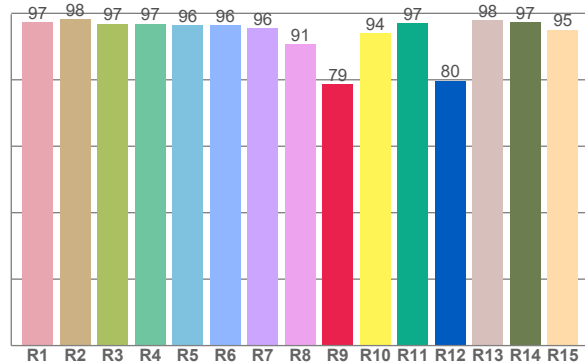




TM30: 92.7



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	98.3	96.9	96.8	96.3	96.4	95.6	90.8	78.6	94.1	97.1	79.7	98.0	97.4	95.1

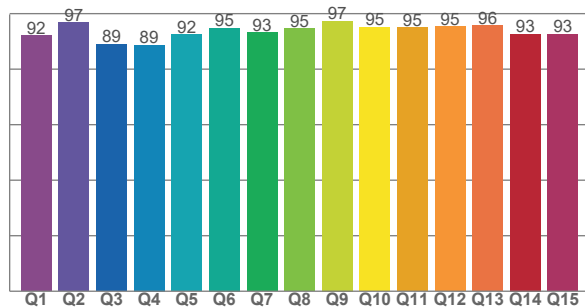
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	95.3	93.8	94.7	92.9	96.8	93.2	97.9	93.0	87.9	88.1	90.9	94.0	90.5	91.2	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.1	96.7	89.0	88.7	92.5	94.8	93.2	94.6	97.4	95.1	95.0	95.4	95.7	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	$\Delta uv$
3119 K	96.1	78.6	92.7	100.0	93.1	0.428	0.398	0.247	0.345	-0.0010

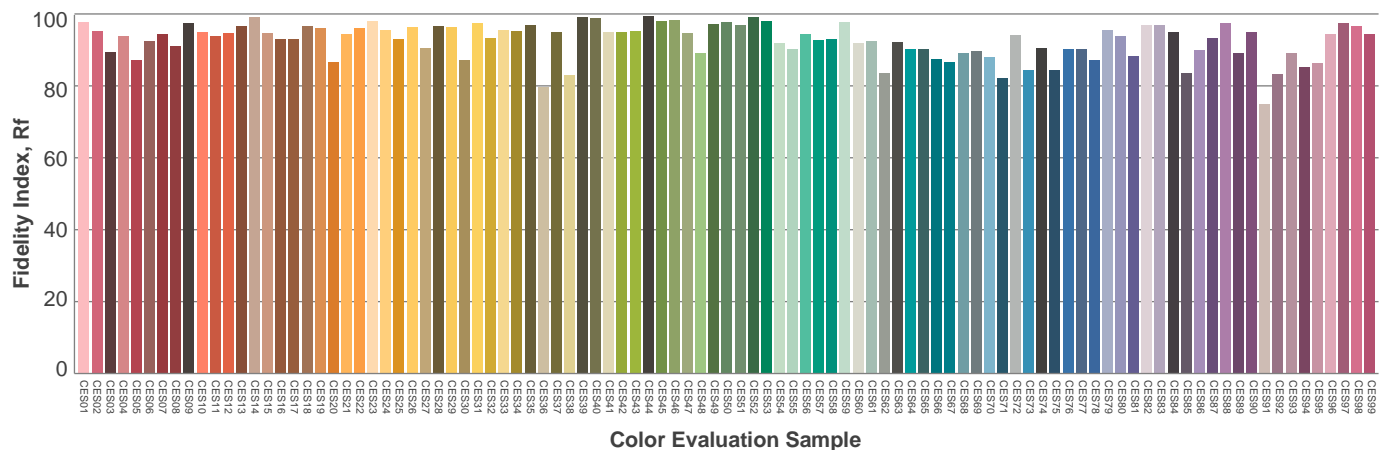
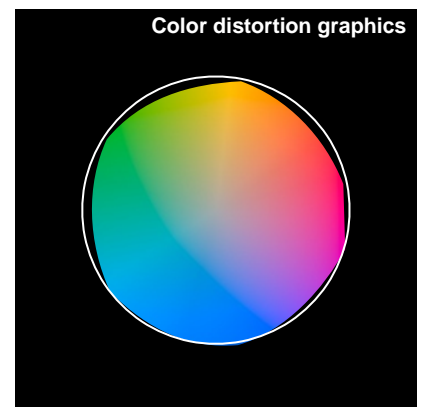
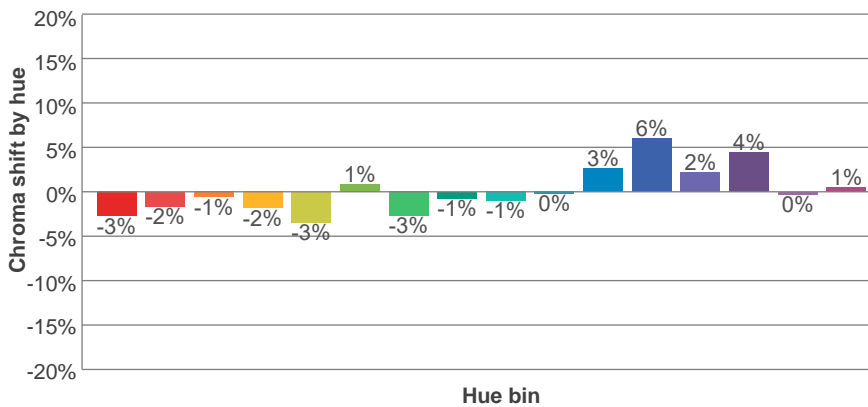
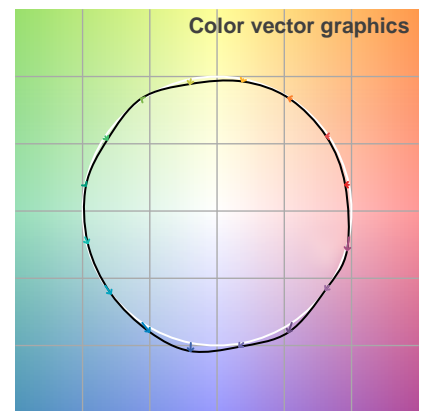
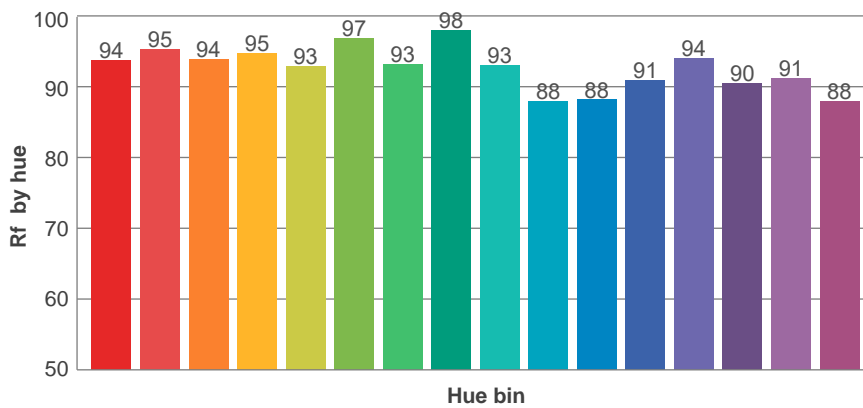
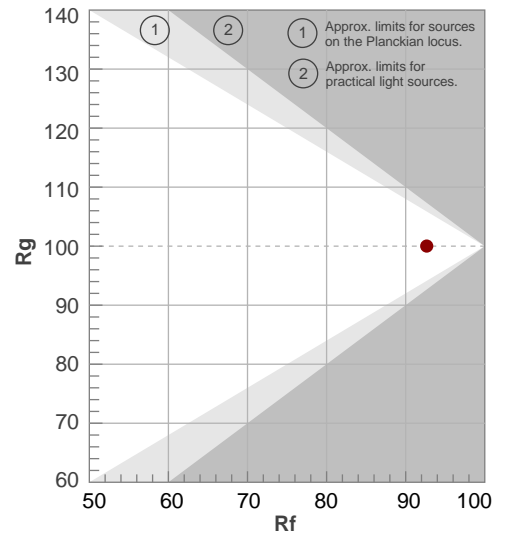
**Rf 92.7**

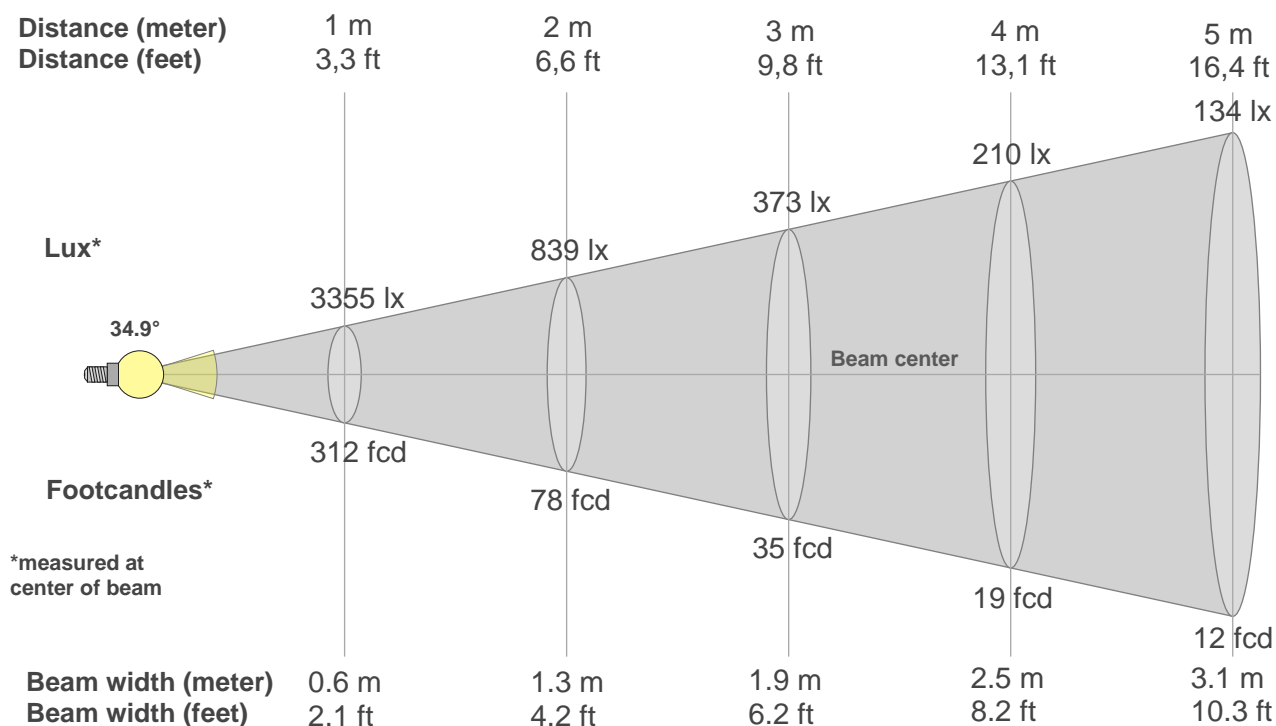
Fidelity index Rf

**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	4%	-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
3355lx	839lx	373lx	210lx	134lx	93lx	68lx	52lx	41lx	34lx	28lx	23lx	20lx	17lx	15lx	13lx	12lx	10lx	9lx	8lx
311.7fcd	77.9fcd	34.6fcd	19.5fcd	12.5fcd	8.7fcd	6.4fcd	4.9fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	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°
3355	3327	3243	3113	2927	2706	2454	2179	1891	1600	1313	1057	835	645	484	349	241	164	112	74
100%	99%	97%	93%	87%	81%	73%	65%	56%	48%	39%	32%	25%	19%	14%	10%	7%	5%	3%	2%

#### 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°
3355	3337	3257	3126	2950	2734	2485	2208	1904	1597	1308	1050	828	635	477	350	247	170	116	77
100%	99%	97%	93%	88%	81%	74%	66%	57%	48%	39%	31%	25%	19%	14%	10%	7%	5%	3%	2%

#### 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°
3355	3327	3245	3108	2920	2694	2441	2168	1885	1601	1323	1068	845	654	494	361	254	177	122	84
100%	99%	97%	93%	87%	80%	73%	65%	56%	48%	39%	32%	25%	19%	15%	11%	8%	5%	4%	2%

#### 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°
3355	3321	3233	3092	2908	2690	2435	2163	1883	1607	1343	1094	870	682	524	393	288	203	140	97
100%	99%	96%	92%	87%	80%	73%	64%	56%	48%	40%	33%	26%	20%	16%	12%	9%	6%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.9°	61°	75.9°	99.7%	98.9%