

Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 94.9

Color temperature:

3095 K

Output: 1016 lm

Peak: 3224 cd

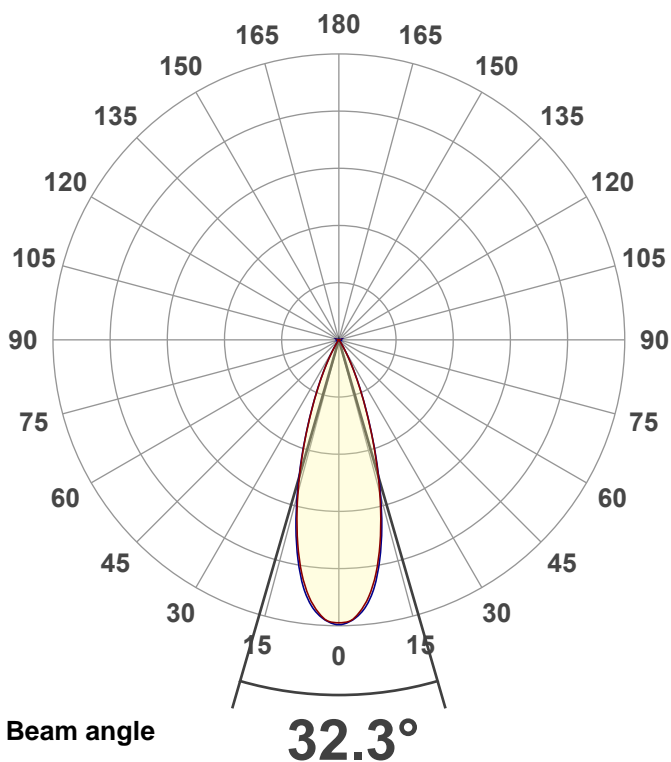
Power: 19.1 W

PF: 0.97



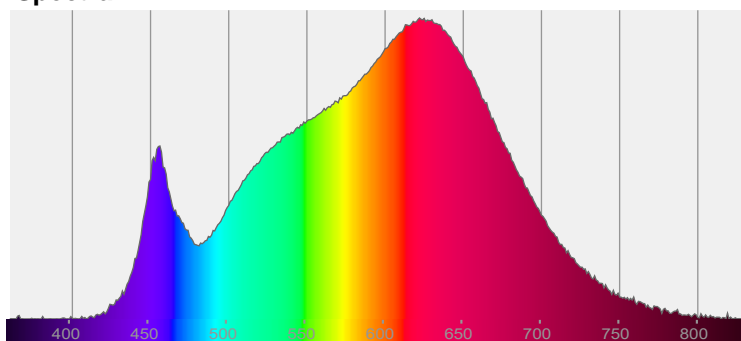
NU3-RA-WD-15LM-3018-97-35D-NA-NL-WH-WH

Date and time:  
7/13/2022 9:28:37 AM

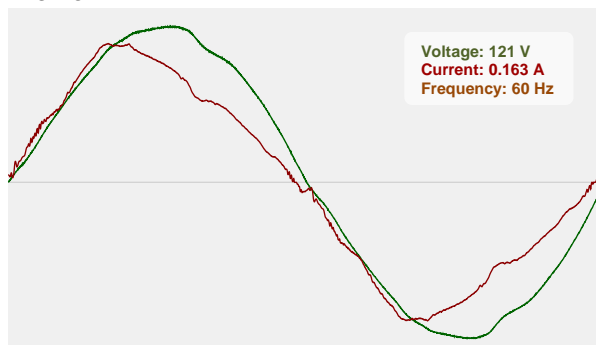


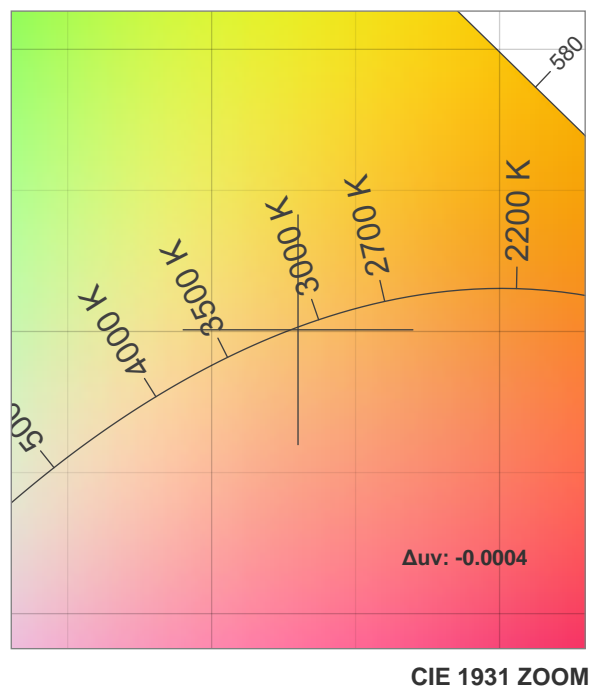
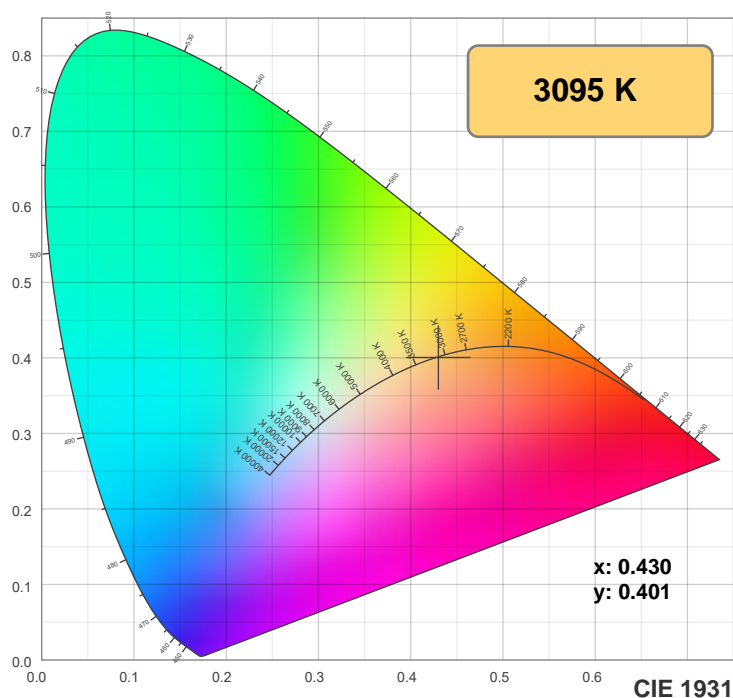
CIE 1931  
x: 0.430  
y: 0.401

Spectra

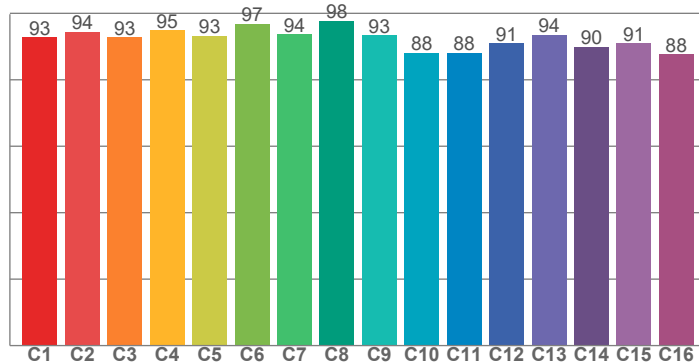


Power

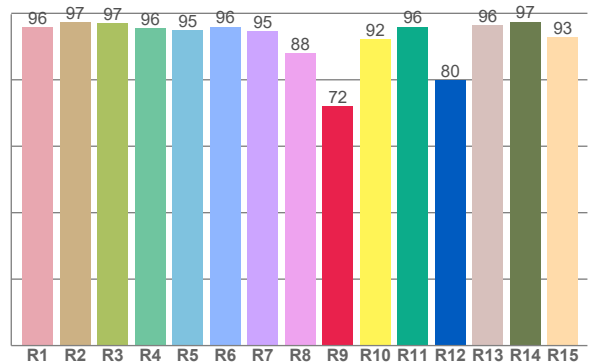




TM30: 92.5



CRI: 94.9 (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
95.8	97.4	97.0	95.5	94.9	95.9	94.7	88.0	72.0	92.2	96.0	79.9	96.4	97.5	92.9

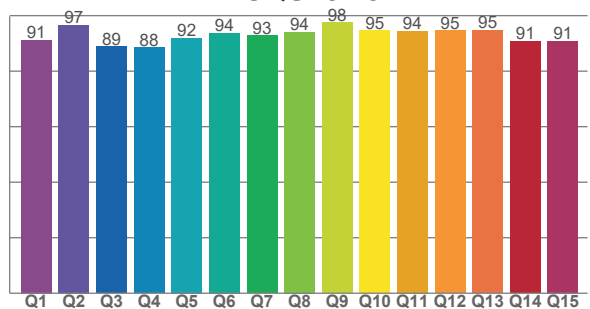
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.8	94.4	92.8	94.9	93.3	96.8	93.6	97.8	93.4	88.1	88.2	90.9	93.6	89.9	90.9	87.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.2	96.6	88.8	88.4	92.0	93.8	92.9	94.1	97.5	94.7	94.4	94.6	94.7	90.7	90.9

CQS: 92.5



## 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	$\Delta uv$
3095 K	94.9	72.0	92.5	99.6	92.5	0.430	0.401	0.248	0.346	-0.0004

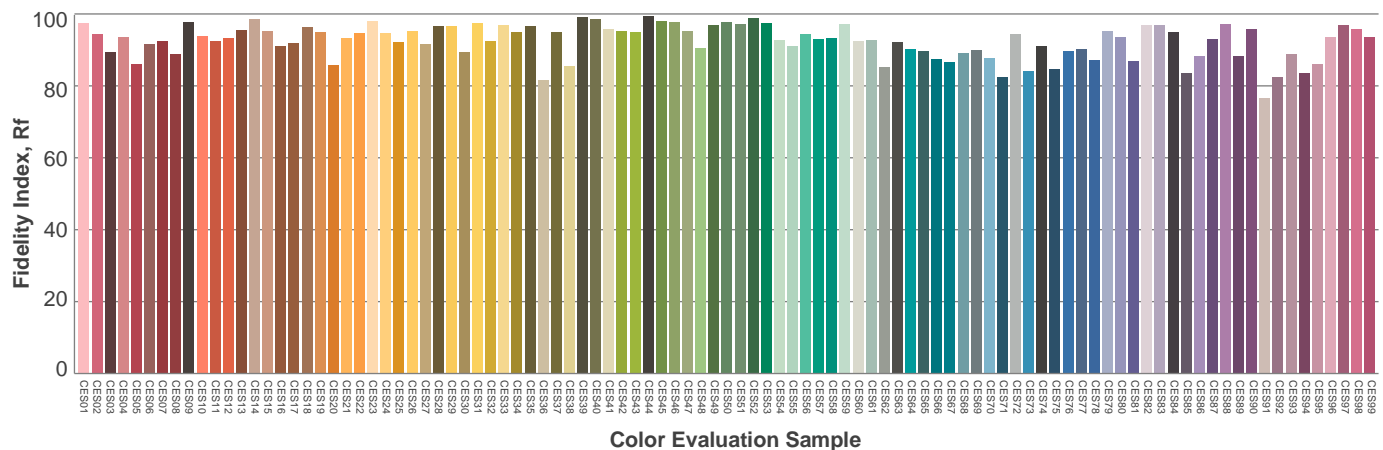
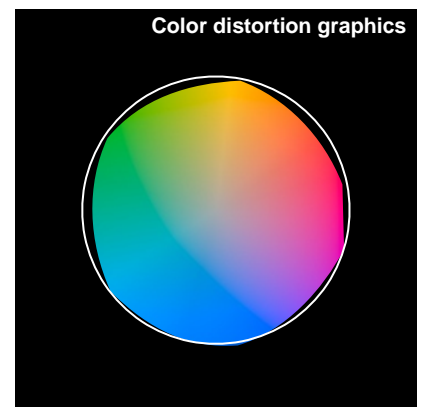
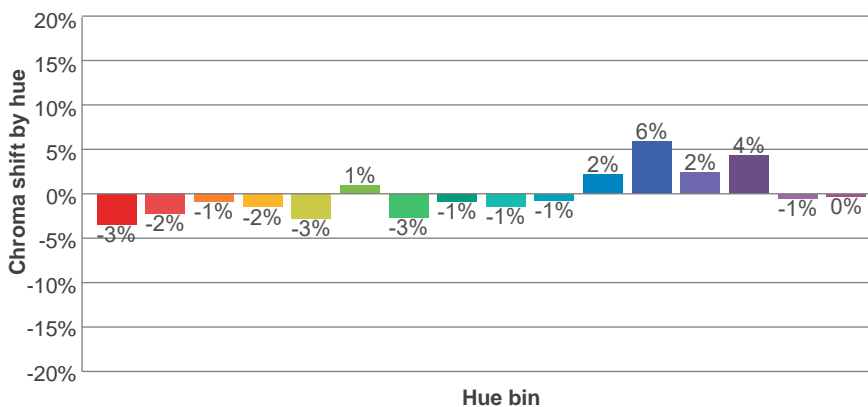
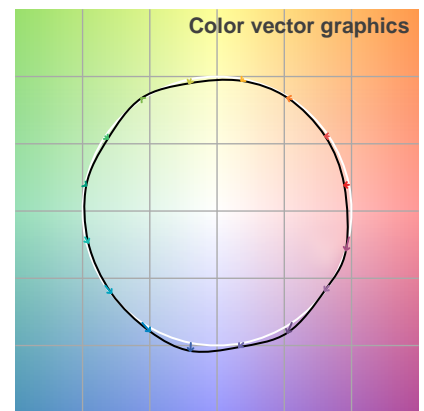
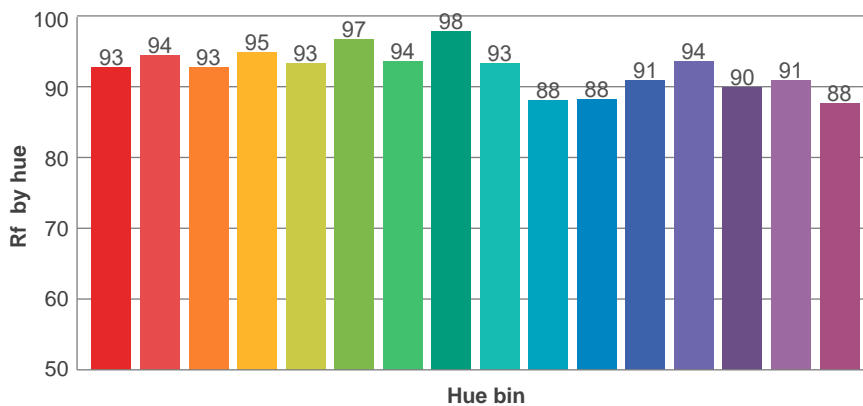
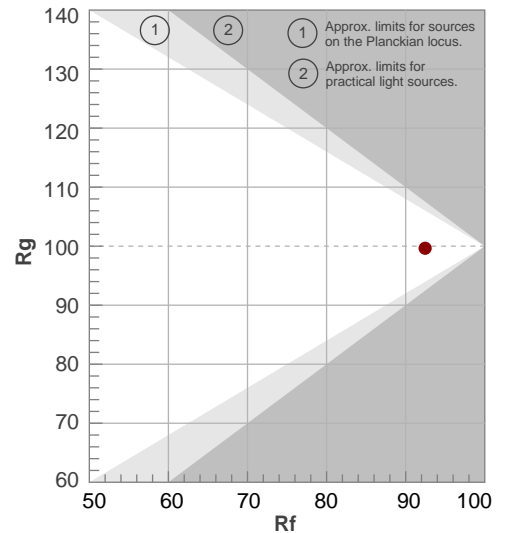
**Rf 92.5**

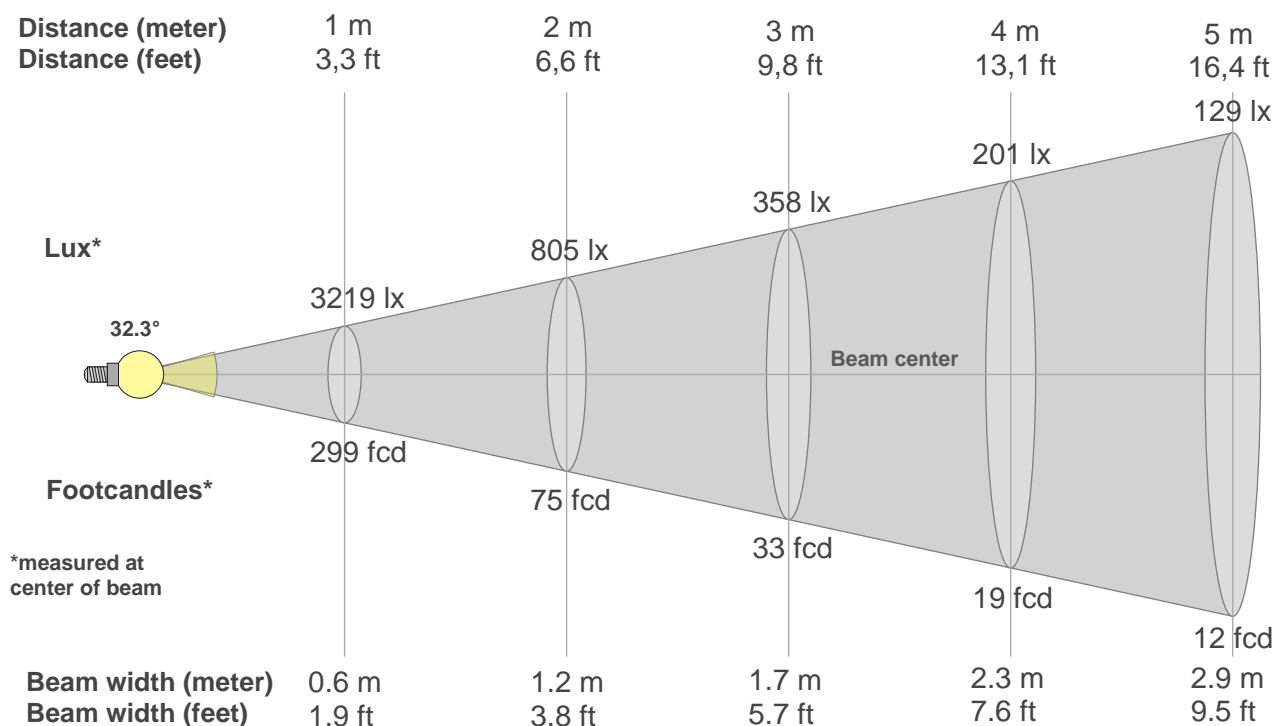
Fidelity index Rf

**Rg 99.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	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	-1%	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
3219lx	805lx	358lx	201lx	129lx	89lx	66lx	50lx	40lx	32lx	27lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx	8lx
299fcd	74.8fcd	33.2fcd	18.7fcd	12fcd	8.3fcd	6.1fcd	4.7fcd	3.7fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

#### 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°
3219	3194	3113	2978	2790	2550	2267	1954	1629	1309	1015	759	548	379	243	142	79	44	26	16
100%	99%	97%	93%	87%	79%	70%	61%	51%	41%	32%	24%	17%	12%	8%	4%	2%	1%	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°
3219	3198	3131	3021	2849	2603	2316	1997	1661	1328	1019	766	557	382	245	147	81	44	26	17
100%	99%	97%	94%	89%	81%	72%	62%	52%	41%	32%	24%	17%	12%	8%	5%	3%	1%	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°
3219	3194	3113	2978	2790	2550	2267	1954	1629	1309	1015	759	548	379	243	142	79	44	26	16
100%	99%	97%	93%	87%	79%	70%	61%	51%	41%	32%	24%	17%	12%	8%	4%	2%	1%	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°
3219	3198	3131	3021	2849	2603	2316	1997	1661	1328	1019	766	557	382	245	147	81	44	26	17
100%	99%	97%	94%	89%	81%	72%	62%	52%	41%	32%	24%	17%	12%	8%	5%	3%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.3°	53.5°	64°	99.5%	99.2%