

Light efficiency:

36 Lumen/Watt

Light quality:

CRI: 95.9

Color temperature:

3150 K

Output: 930 lm

Peak: 3908 cd

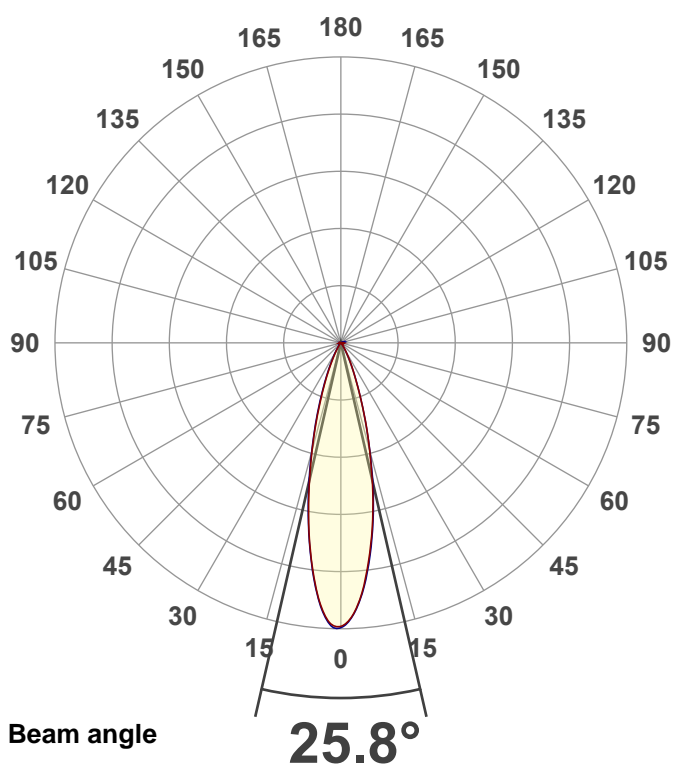
Power: 25.5 W

PF: 0.97



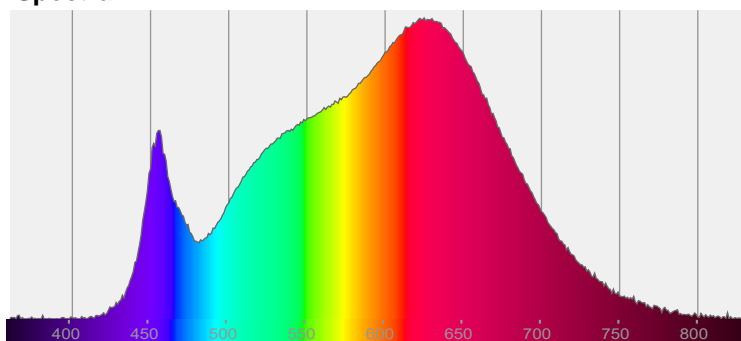
NU3-RA-WD-20LM-3018-97-30D-HCL-NL-WH-WH

Date and time:  
7/12/2022 11:16:33 AM

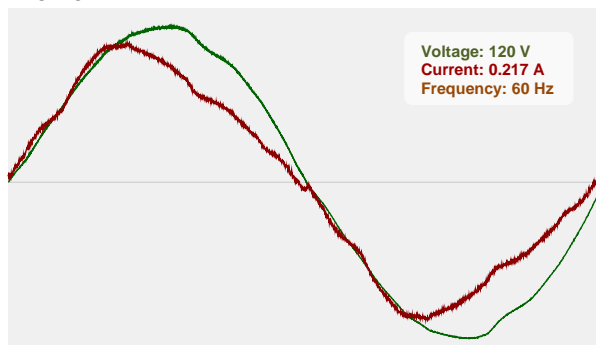


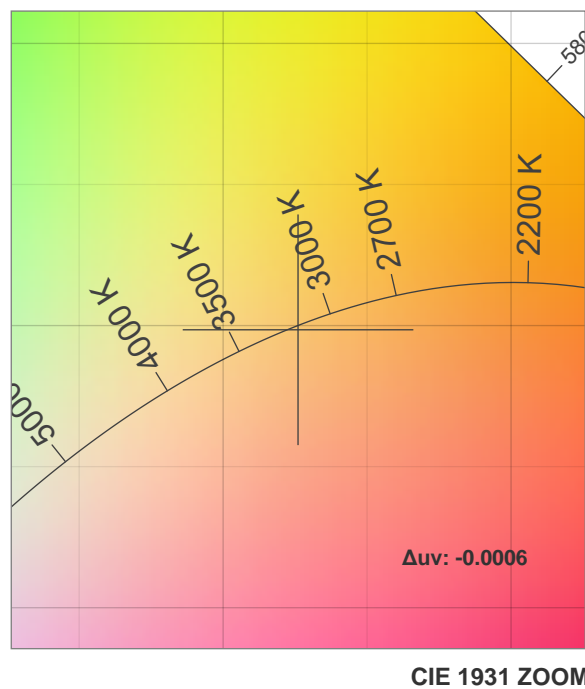
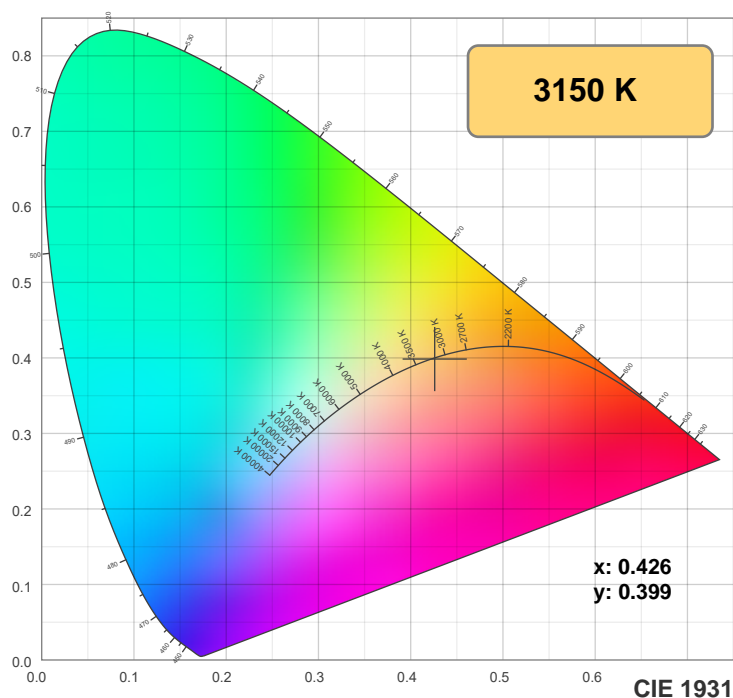
CIE 1931  
x: 0.426  
y: 0.399

Spectra

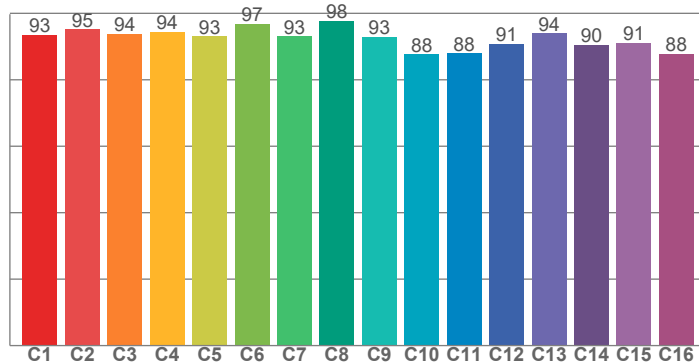


Power

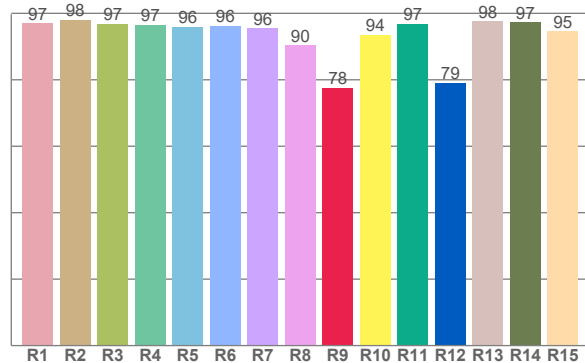




TM30: 92.5



CRI: 95.9 (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
97.1	98.1	96.8	96.6	96.0	96.3	95.5	90.4	77.6	93.6	96.9	79.1	97.7	97.3	94.6

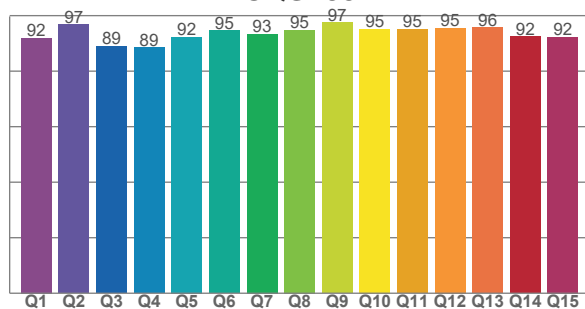
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.5	95.2	93.8	94.5	93.1	96.9	93.1	97.8	92.8	87.6	88.0	90.9	94.0	90.4	91.1	87.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.0	96.7	89.0	88.6	92.3	94.6	93.4	94.8	97.4	95.2	95.1	95.5	95.7	92.4	92.4

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	$\Delta uv$
3150 K	95.9	77.6	92.5	99.8	93.1	0.426	0.399	0.246	0.345	-0.0006

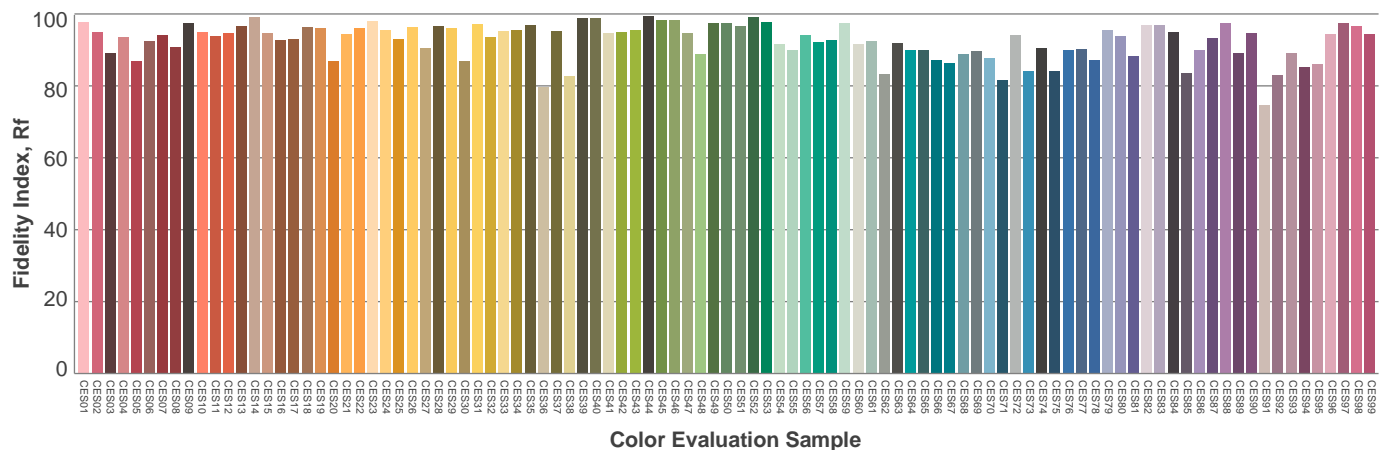
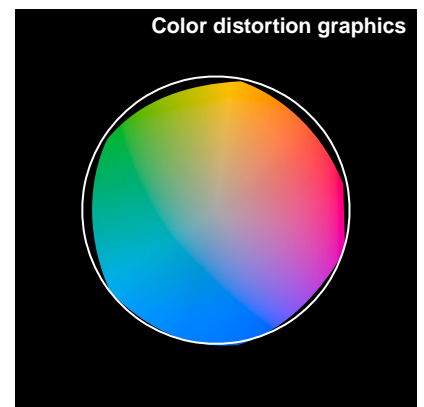
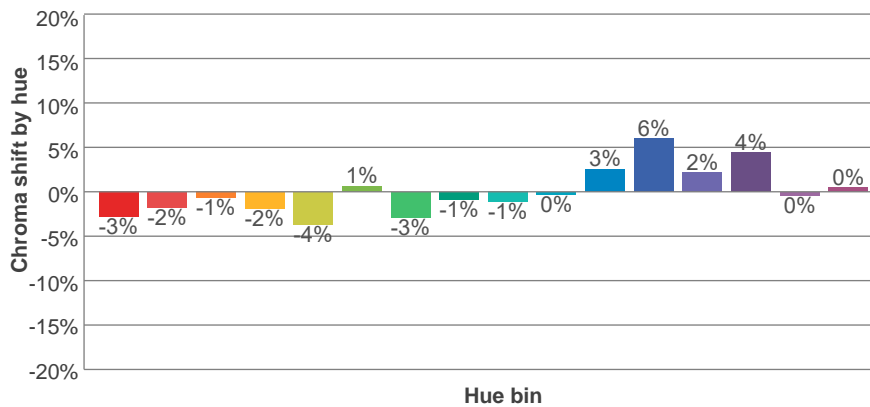
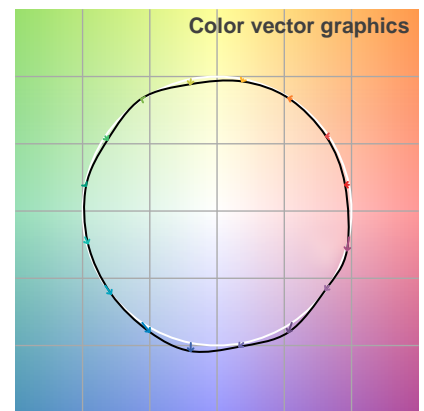
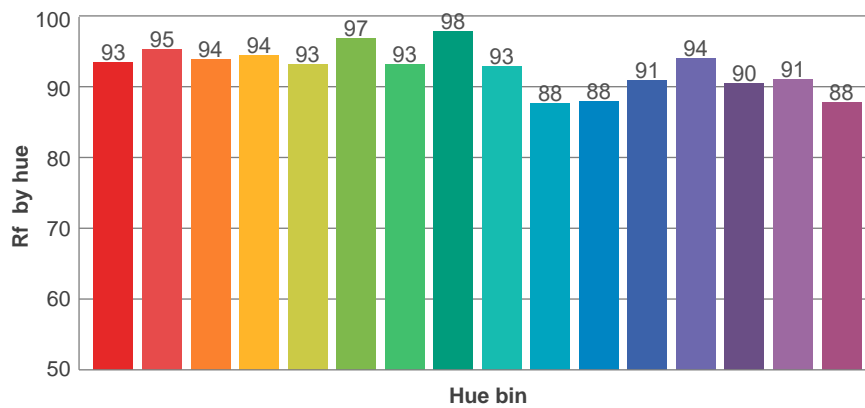
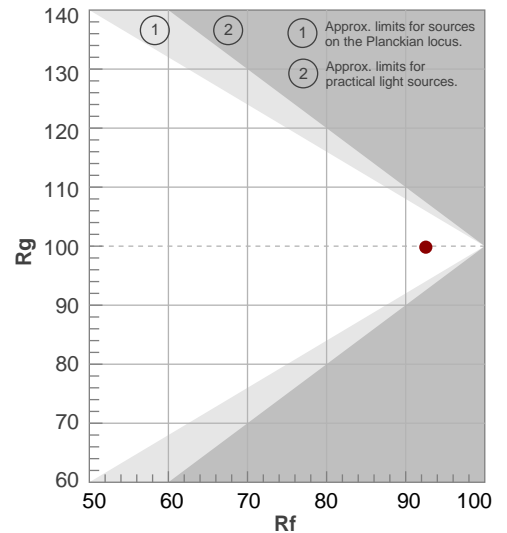
**Rf 92.5**

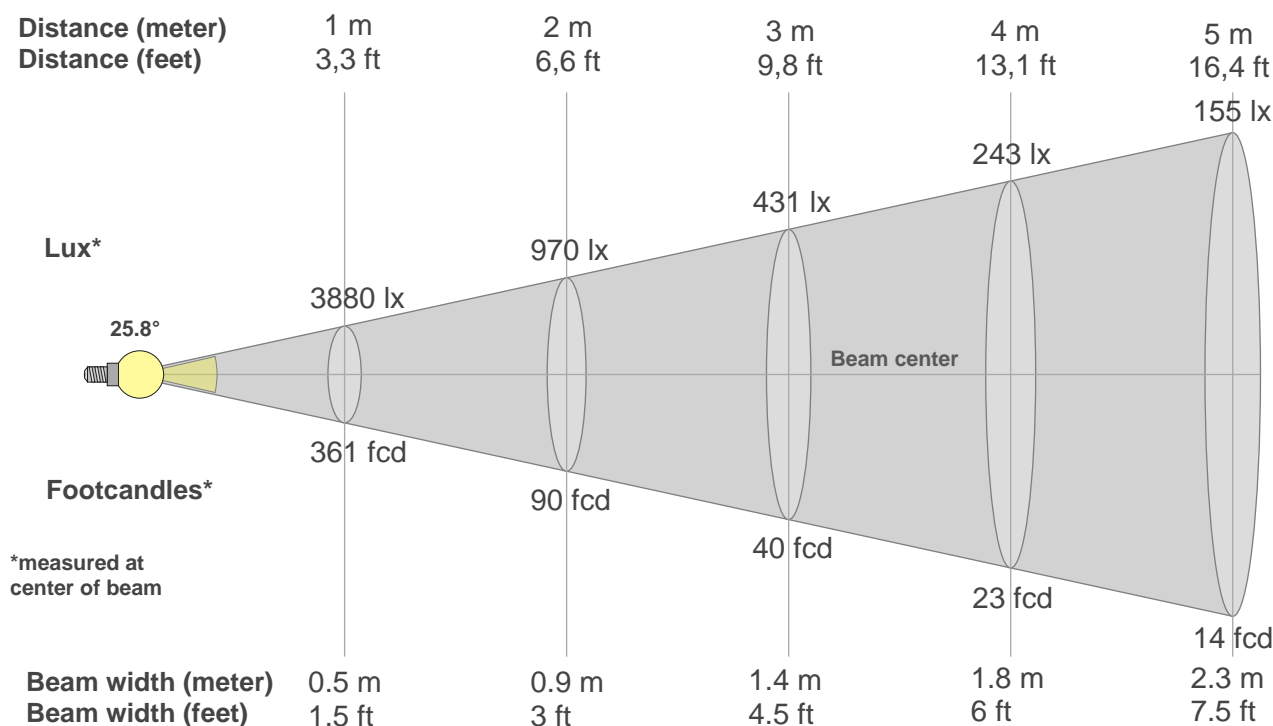
Fidelity index Rf

**Rg 99.8**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	-1%	3%
4	94	-2%	1%
5	93	-4%	1%
6	97	1%	1%
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	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
3880lx	970lx	431lx	243lx	155lx	108lx	79lx	61lx	48lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
360.5fcd	90.1fcd	40.1fcd	22.5fcd	14.4fcd	10fcd	7.4fcd	5.6fcd	4.5fcd	3.6fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	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°
3880	3764	3540	3229	2870	2496	2105	1706	1362	1048	774	559	408	303	217	150	99	62	39	24
100%	97%	91%	83%	74%	64%	54%	44%	35%	27%	20%	14%	11%	8%	6%	4%	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°
3880	3768	3553	3258	2904	2524	2136	1737	1360	1032	761	555	397	274	180	110	67	40	25	16
100%	97%	92%	84%	75%	65%	55%	45%	35%	27%	20%	14%	10%	7%	5%	3%	2%	1%	1%	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°
3880	3839	3638	3323	2942	2533	2106	1705	1353	1039	776	569	403	278	191	126	81	54	37	25
100%	99%	94%	86%	76%	65%	54%	44%	35%	27%	20%	15%	10%	7%	5%	3%	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°
3880	3865	3669	3341	2957	2551	2142	1741	1370	1072	815	606	442	314	222	159	109	73	49	32
100%	100%	95%	86%	76%	66%	55%	45%	35%	28%	21%	16%	11%	8%	6%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.8°	48.7°	63°	99.7%	99.4%