

Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 97.0

Color temperature:

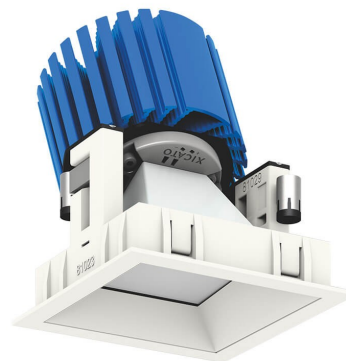
2954 K

Output: 1185 lm

Peak: 744 cd

Power: 19.9 W

PF: 0.99



Beam angle

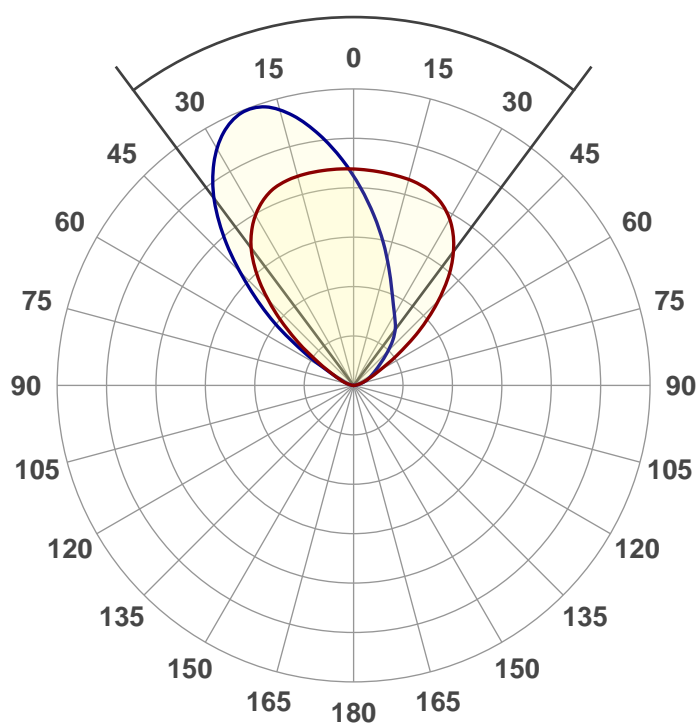
73.5°

Product name:

NU3-QW-XTM19-13LM-30K-98-WW-120-DIM10-NC-WH-WH

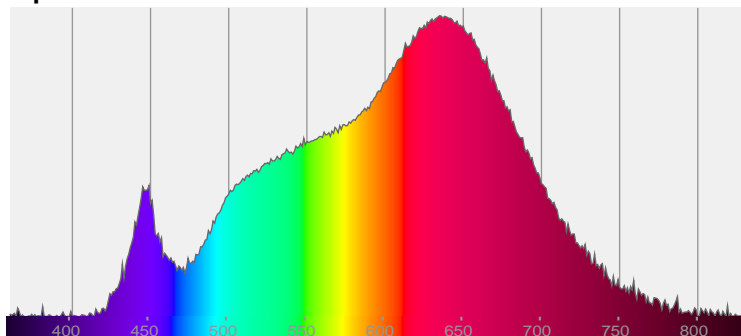
Date and time:

12/28/2017 9:01:53 AM

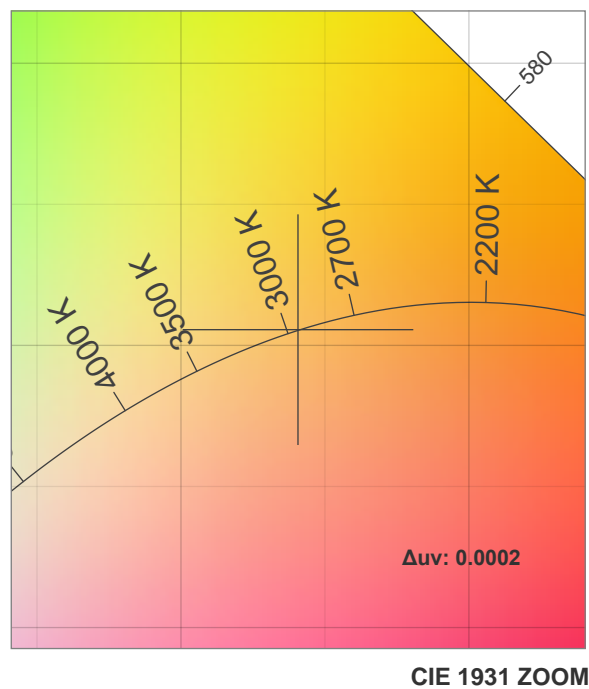
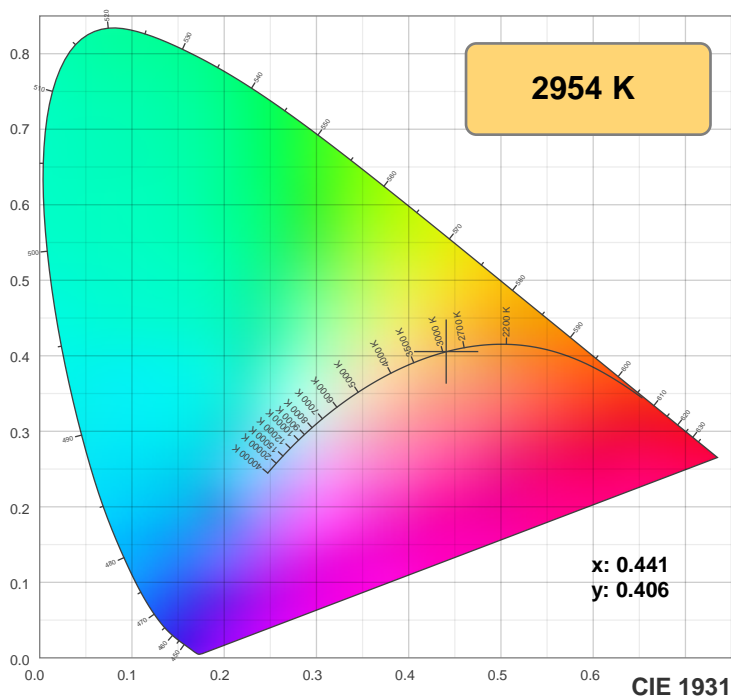


CIE 1931
x: 0.441
y: 0.406

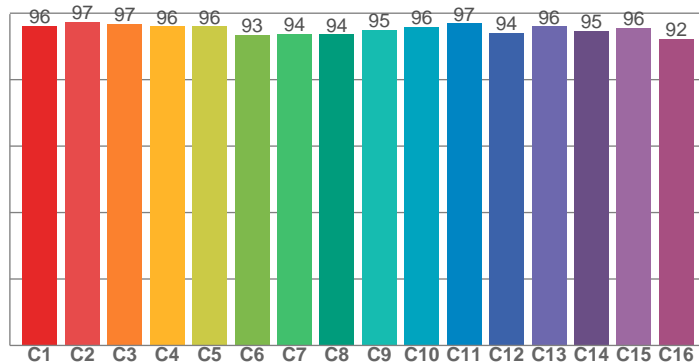
Spectra



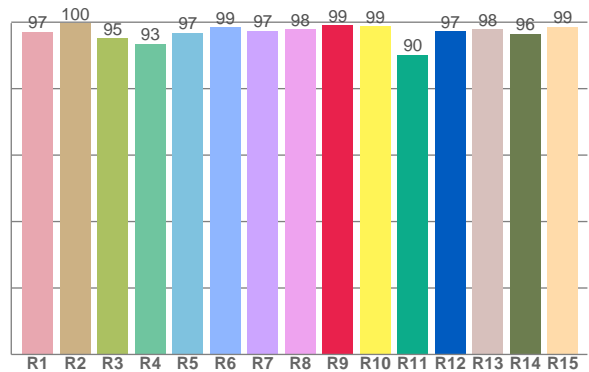
Color details



TM30: 95.4



CRI: 97.0 (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
97.2	99.7	95.2	93.5	96.9	98.5	97.4	98.0	99.1	98.8	90.2	97.3	97.8	96.5	98.6

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
96.3	97.3	96.8	96.1	96.0	93.5	93.8	93.6	94.9	95.9	96.9	94.1	96.0	94.6	95.6	92.2

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	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	x	y	u	v	Δuv
2954 K	97.0	99.1	95.4	103.3	0.441	0.406	0.252	0.348	0.0002

TM30 details

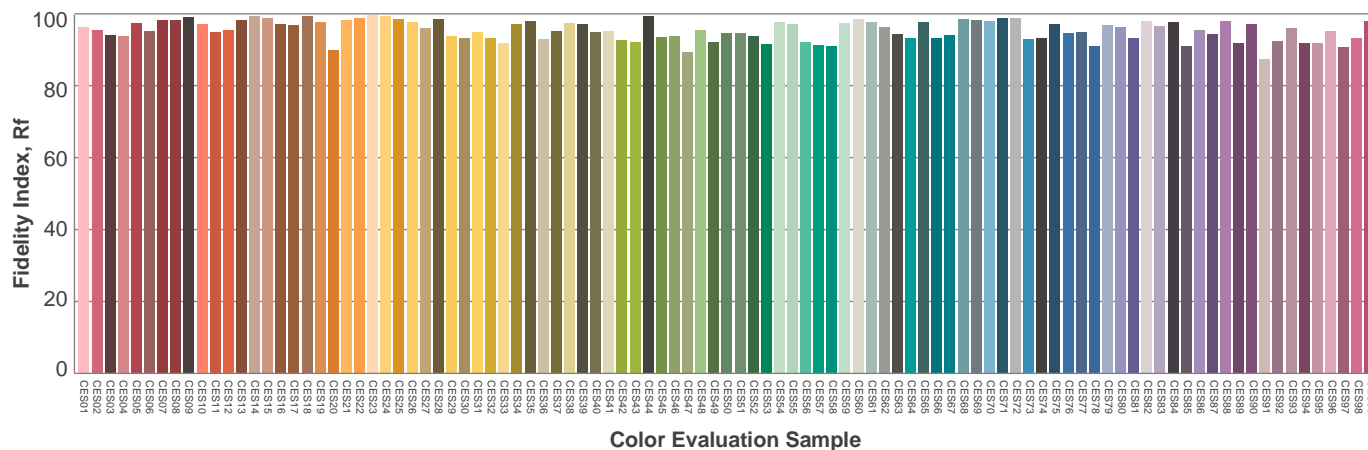
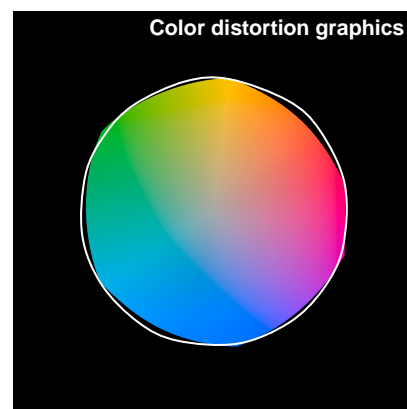
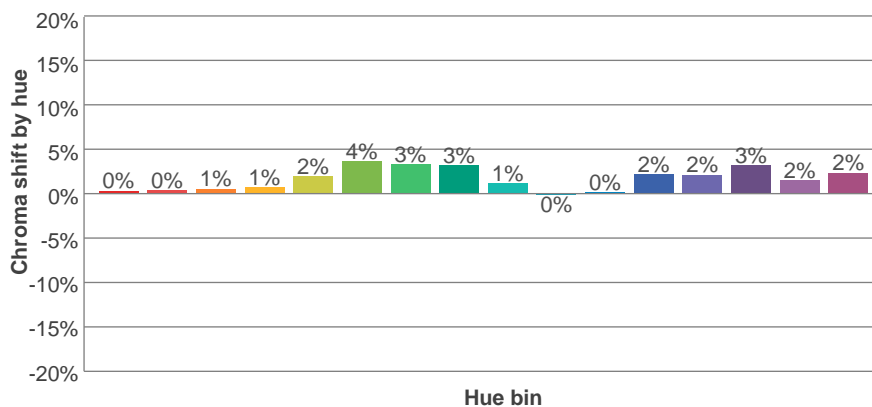
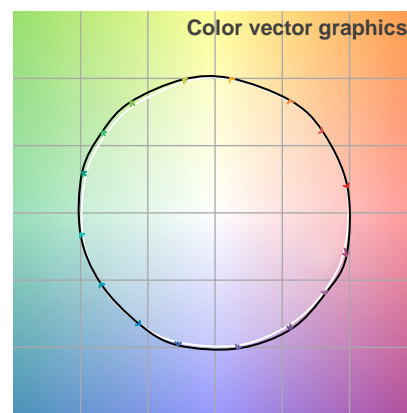
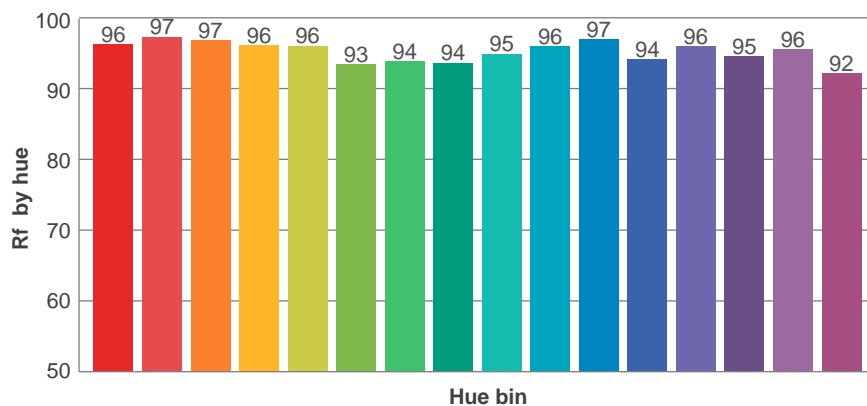
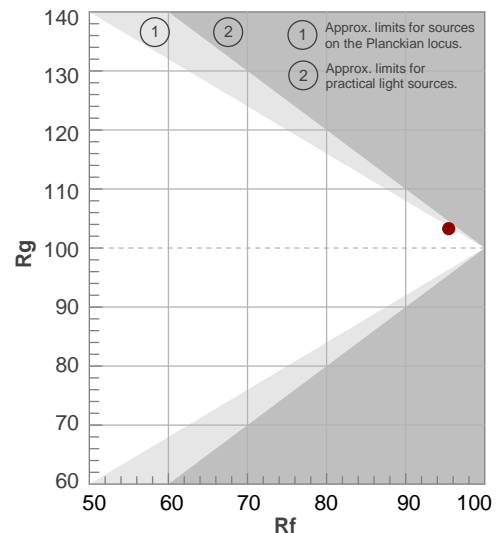
Rf 95.4

Fidelity index Rf

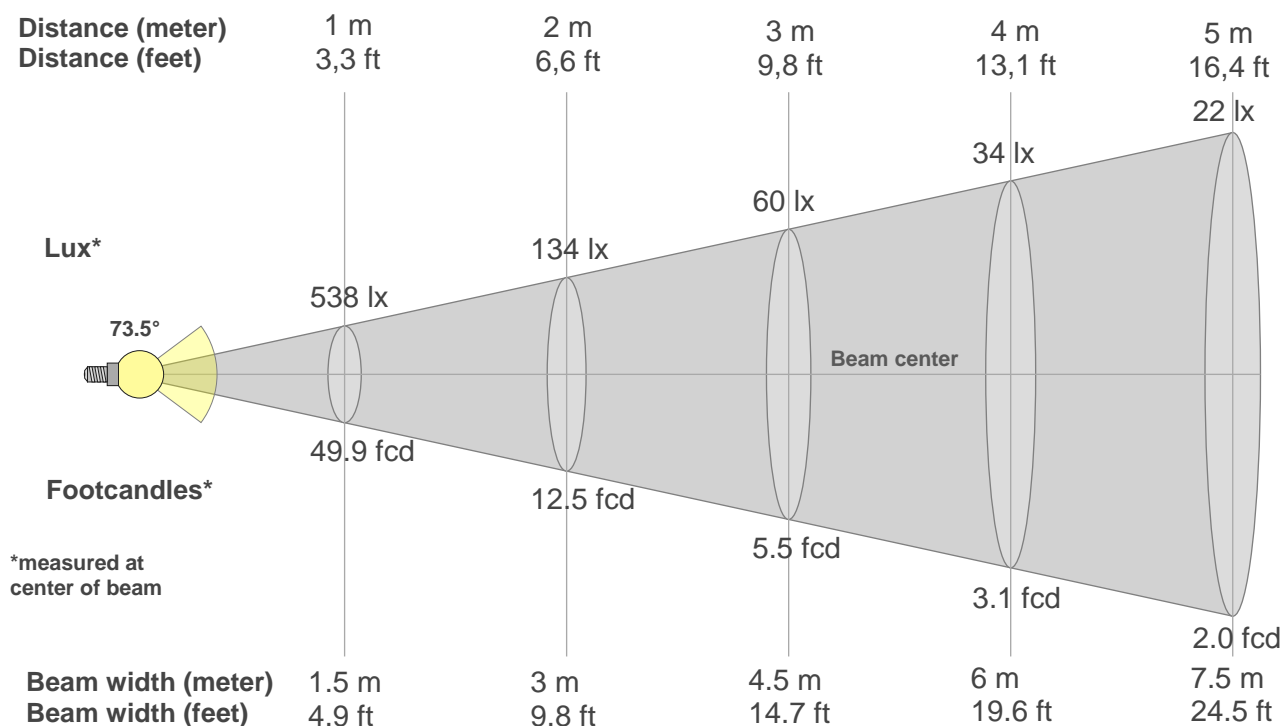
Rg 103.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	0%	-1%
3	97	1%	1%
4	96	1%	1%
5	96	2%	2%
6	93	4%	1%
7	94	3%	-1%
8	94	3%	-2%
9	95	1%	-2%
10	96	0%	-2%
11	97	0%	1%
12	94	2%	0%
13	96	2%	-1%
14	95	3%	-2%
15	96	2%	-1%
16	92	2%	-5%



Beam details



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
538lx	134lx	60lx	34lx	22lx	15lx	11lx	8lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx
49.9fcd	12.5fcd	5.5fcd	3.1fcd	2fcd	1.4fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
538	547	547	546	540	523	494	449	386	304	216	134	77	45	29	16	7	3	0	0
100%	102%	102%	102%	100%	97%	92%	84%	72%	57%	40%	25%	14%	8%	5%	3%	1%	1%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
538	600	665	717	740	729	687	617	521	406	292	179	89	43	25	14	6	2	0	0
100%	112%	124%	133%	138%	136%	128%	115%	97%	76%	54%	33%	17%	8%	5%	3%	1%	0%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
538	544	541	538	530	513	484	439	379	302	219	137	76	46	29	18	8	4	1	0
100%	101%	101%	100%	99%	95%	90%	82%	71%	56%	41%	25%	14%	9%	5%	3%	2%	1%	0%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
538	458	391	330	277	236	207	184	156	123	92	70	54	42	30	18	9	3	1	0
100%	85%	73%	61%	51%	44%	38%	34%	29%	23%	17%	13%	10%	8%	6%	3%	2%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
73.5°	122.3°	149.5°	93.1%	70.8%