

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

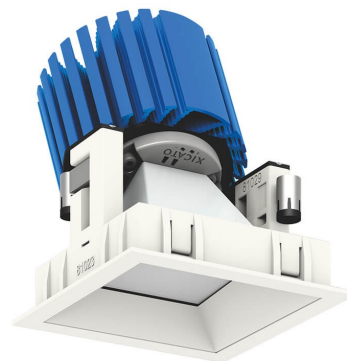
2932 K

Output: 829 lm

Peak: 605 cd

Power: 12.0 W

PF: 0.95



Beam angle

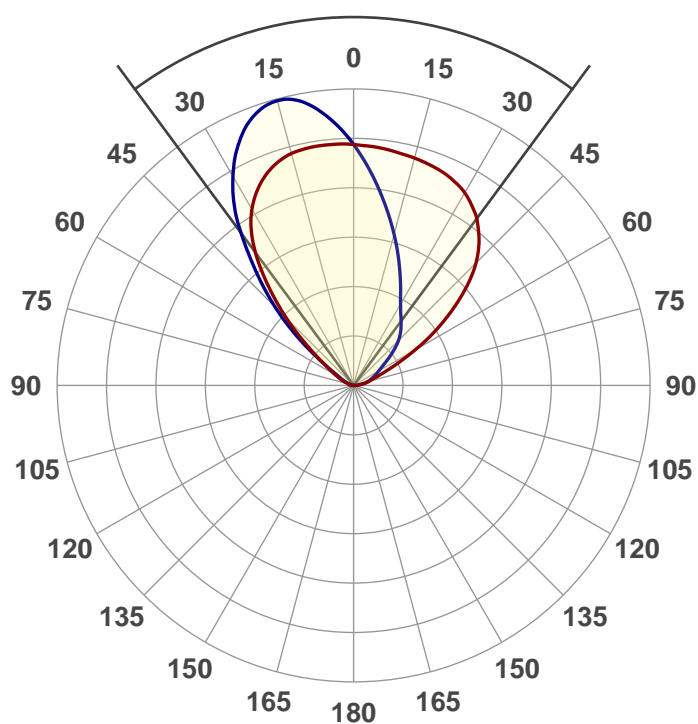
72.9°

Product name:

NU3-QW-XTM-13LM-30K-83-WW-120-DIM10-NC-WH-WH

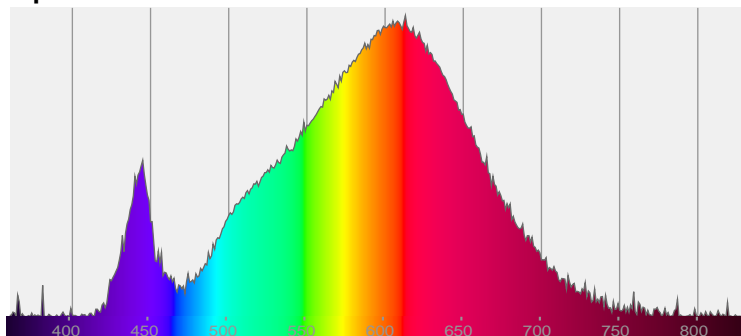
Date and time:

6/20/2017 9:55:15 AM

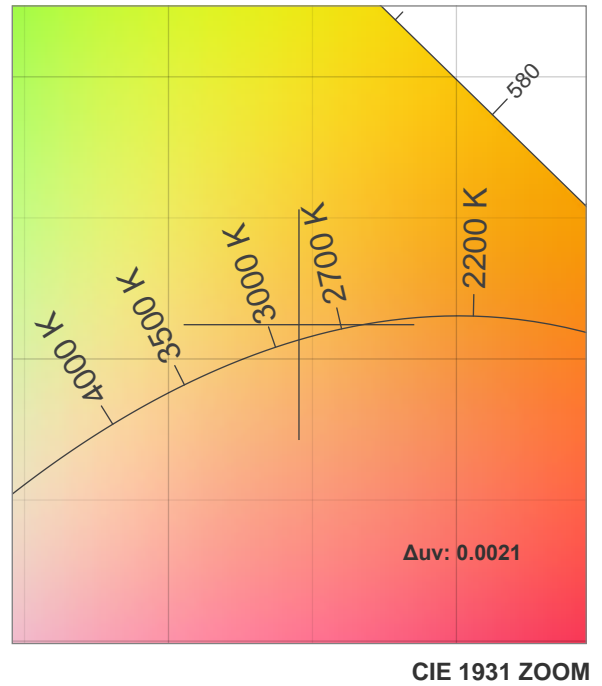
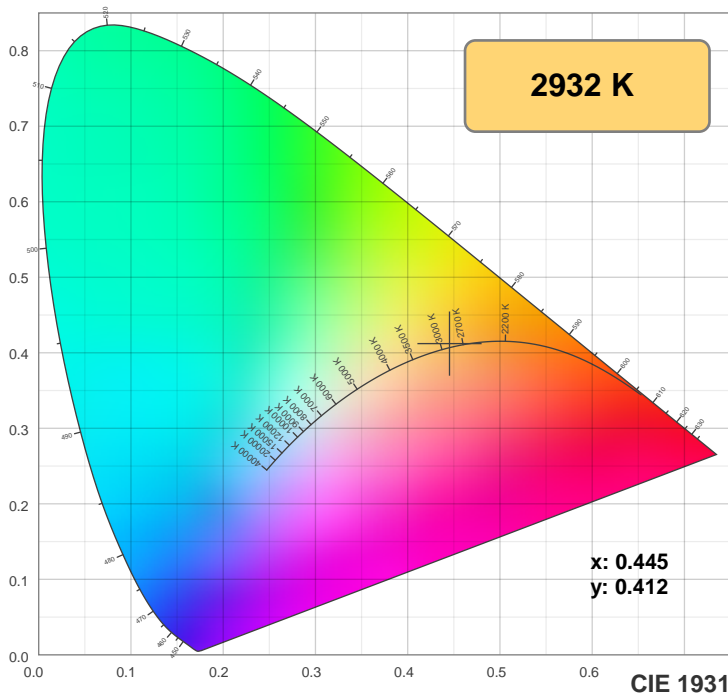


CIE 1931
x: 0.445
y: 0.412

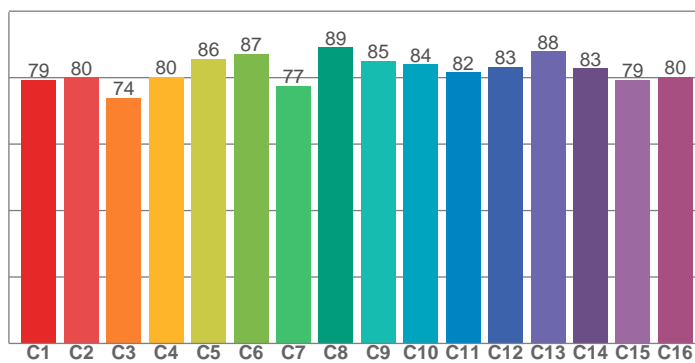
Spectra



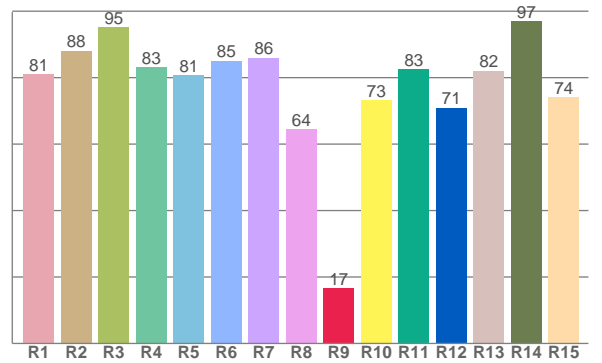
Color details



TM30: 82.1



CRI: 83.0 (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
81.0	88.1	95.2	83.2	80.7	85.1	86.0	64.5	16.7	73.2	82.6	71.0	82.1	97.0	74.1

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
79.4	80.0	73.9	80.2	85.6	87.2	77.5	89.1	85.1	84.0	81.6	83.3	87.9	82.8	79.4	80.3

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
2932 K	83.0	16.7	82.1	98.7	0.445	0.412	0.252	0.351	0.0021

TM30 details

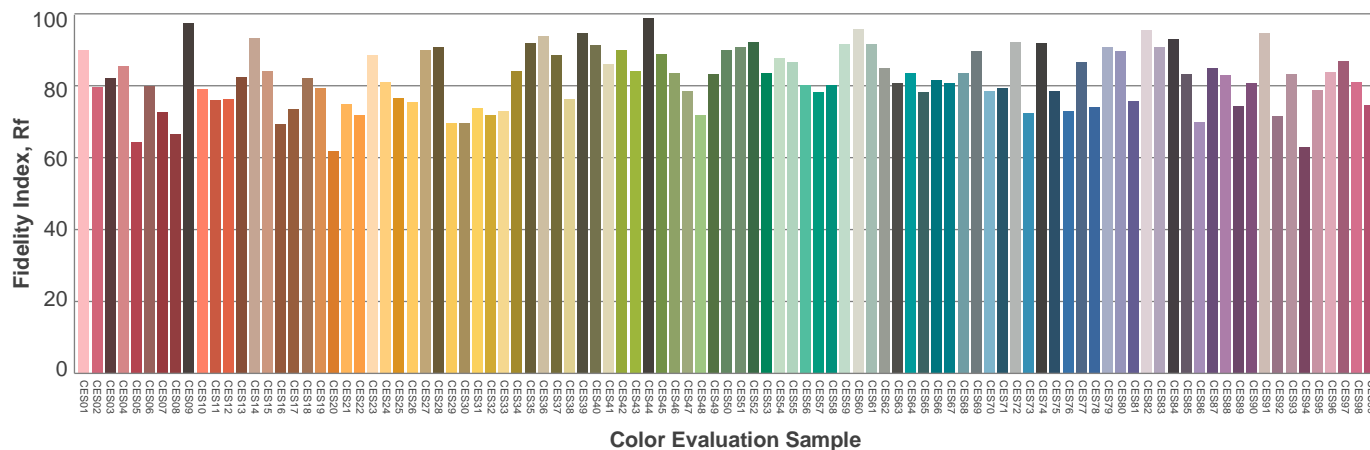
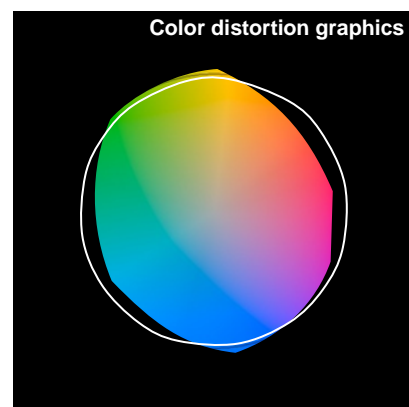
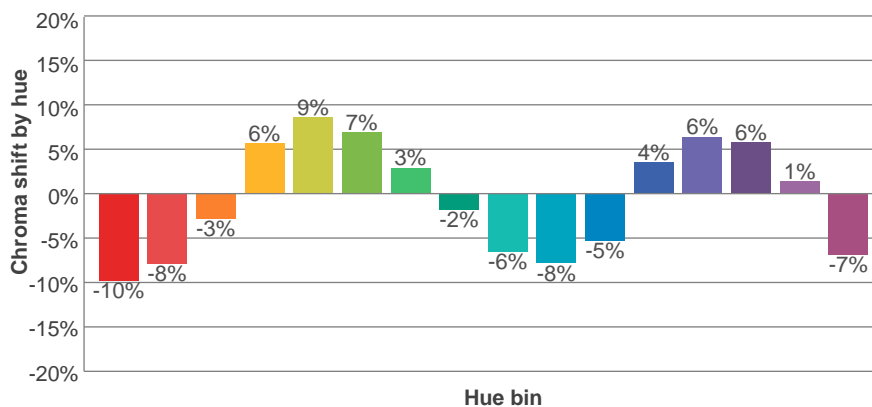
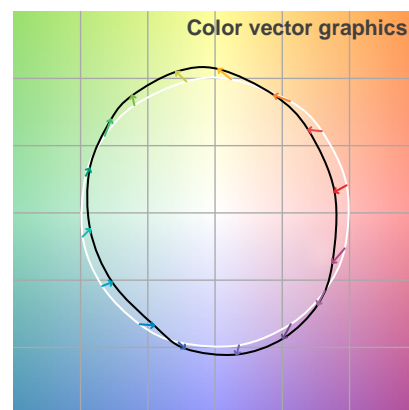
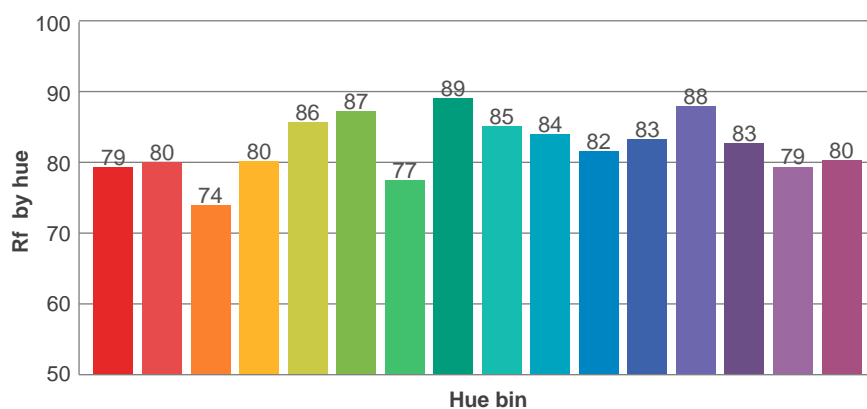
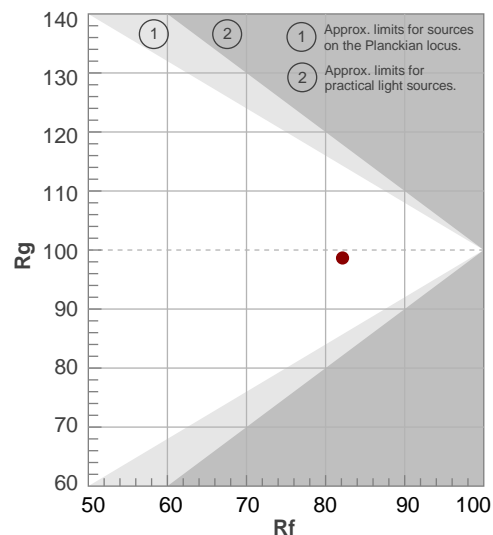
Rf 82.1

Fidelity index Rf

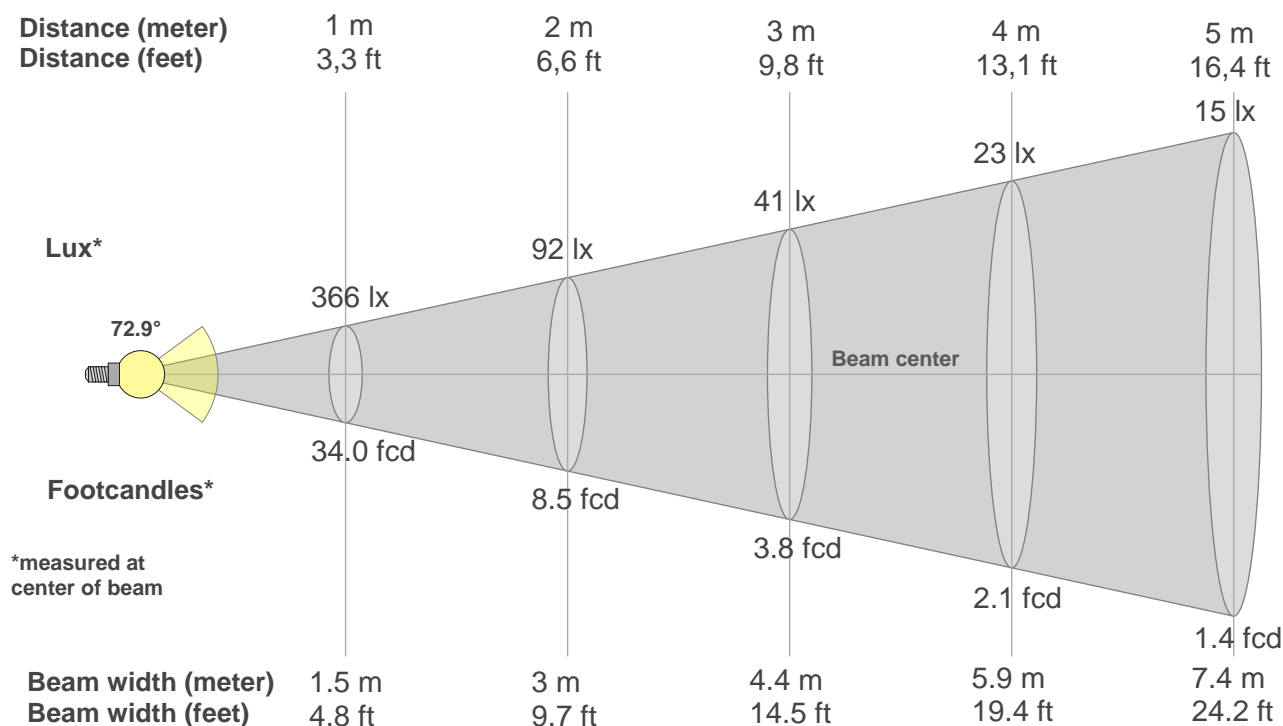
Rg 98.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	80	-8%	6%
3	74	-3%	12%
4	80	6%	11%
5	86	9%	6%
6	87	7%	-3%
7	77	3%	-13%
8	89	-2%	-6%
9	85	-6%	-4%
10	84	-8%	2%
11	82	-5%	9%
12	83	4%	6%
13	88	6%	-3%
14	83	6%	-11%
15	79	1%	-11%
16	80	-7%	-12%



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
366lx	92lx	41lx	23lx	15lx	10lx	7lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
34fcd	8.5fcd	3.8fcd	2.1fcd	1.4fcd	0.9fcd	0.7fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	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°
366	367	368	365	355	337	309	267	207	144	87	50	32	22	13	7	3	1	0	0
100%	100%	100%	100%	97%	92%	84%	73%	57%	39%	24%	14%	9%	6%	4%	2%	1%	0%	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°
366	406	436	447	438	410	367	310	236	169	102	47	24	15	9	4	1	1	0	0
100%	111%	119%	122%	120%	112%	100%	85%	64%	46%	28%	13%	7%	4%	3%	1%	0%	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°
366	364	361	358	354	348	338	321	296	263	216	163	108	62	36	25	16	8	3	0
100%	99%	99%	98%	97%	95%	92%	88%	81%	72%	59%	45%	30%	17%	10%	7%	4%	2%	1%	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°
366	322	278	238	201	169	143	126	112	96	76	57	44	36	28	22	14	7	3	0
100%	88%	76%	65%	55%	46%	39%	34%	31%	26%	21%	16%	12%	10%	8%	6%	4%	2%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
72.9°	123.2°	152.5°	90.7%	68.0%