

Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 97.3

Color temperature:

2747 K

Output: 729 lm

Peak: 674 cd

Power: 12.1 W

PF: 0.95



Beam angle

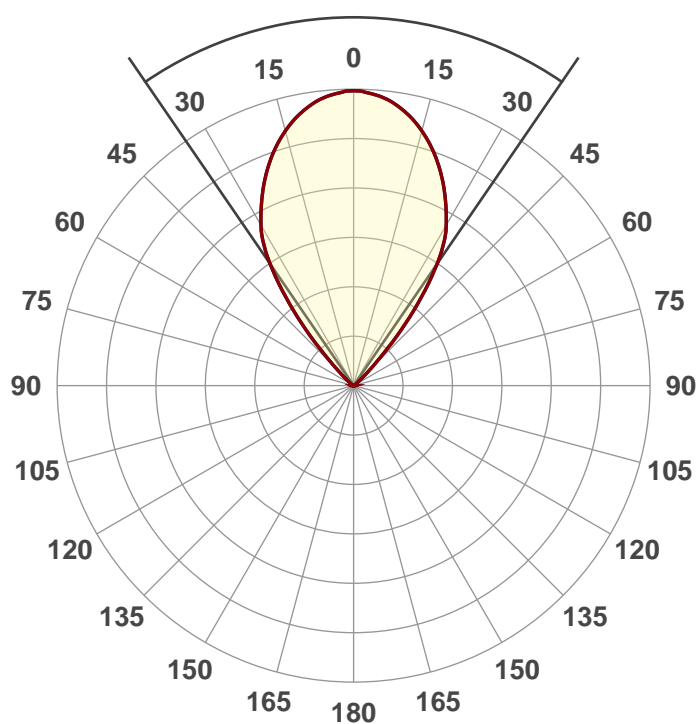
68.9°

Product name:

NU3-QDT-XTM19-10LM-27K-98-  
HE70-NL-120-DIM10-RET-WH-BK

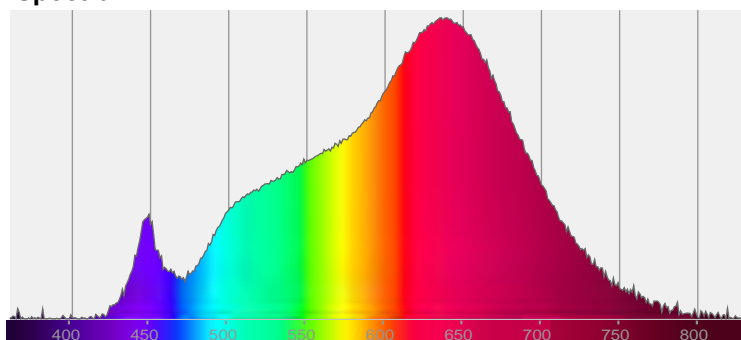
Date and time:

6/23/2017 1:50:27 PM

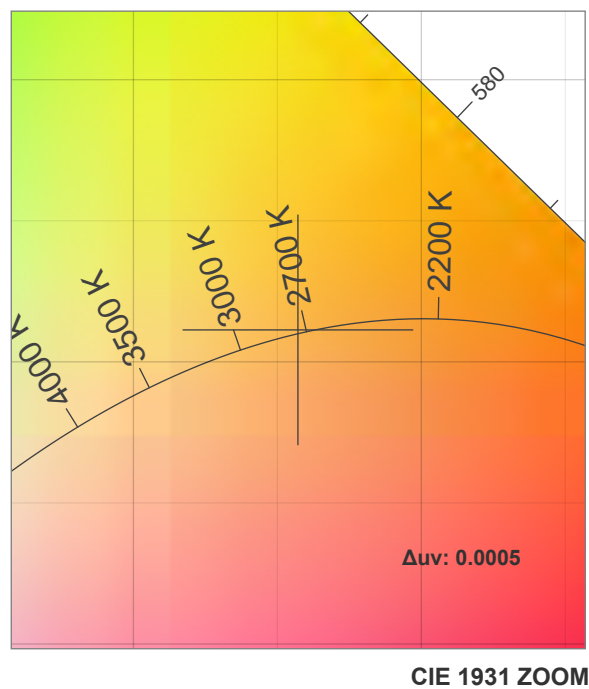
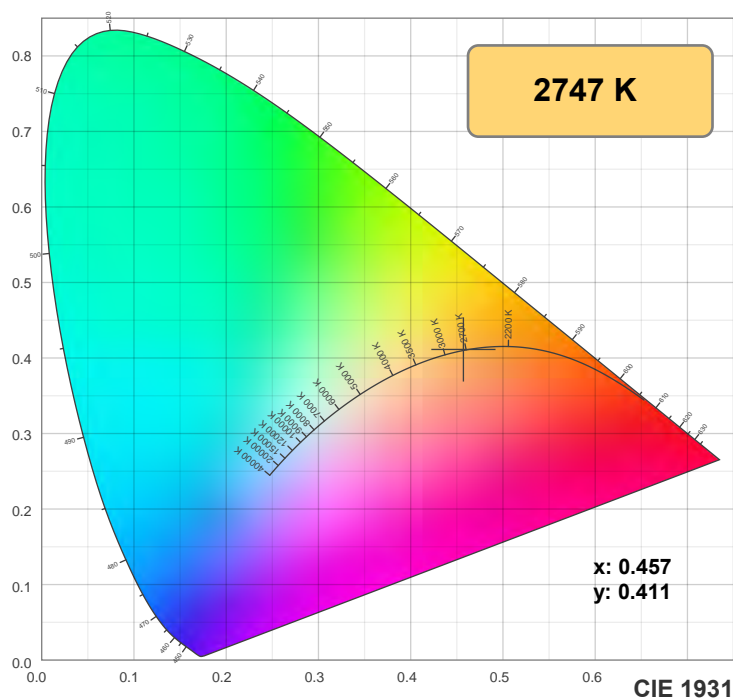


CIE 1931  
x: 0.457  
y: 0.411

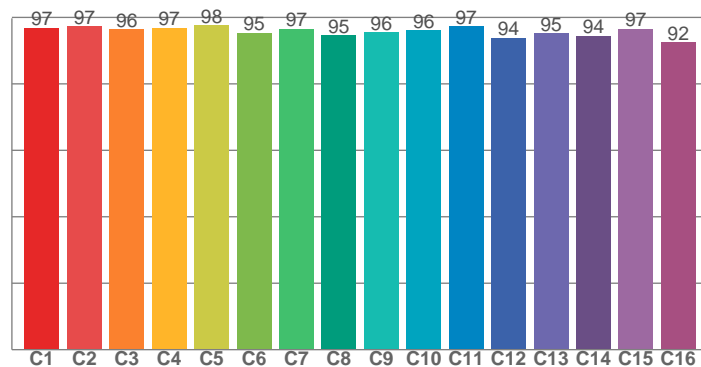
Spectra



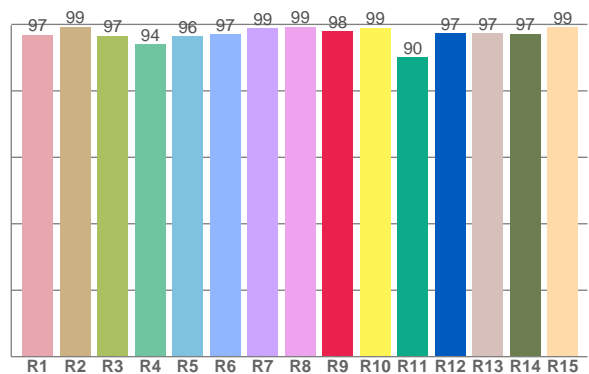
## Color details



TM30: 96.0



CRI: 97.3 (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
96.9	99.3	96.6	94.1	96.5	97.0	98.9	99.3	98.0	99.0	90.1	97.4	97.3	97.2	99.1

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
96.8	97.2	96.4	96.8	97.6	95.3	96.6	94.6	95.6	96.1	97.3	93.8	95.2	94.4	96.5	92.4

## 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	$\Delta uv$
2747 K	97.3	98.0	96.0	102.2	0.457	0.411	0.260	0.351	0.0005

## TM30 details

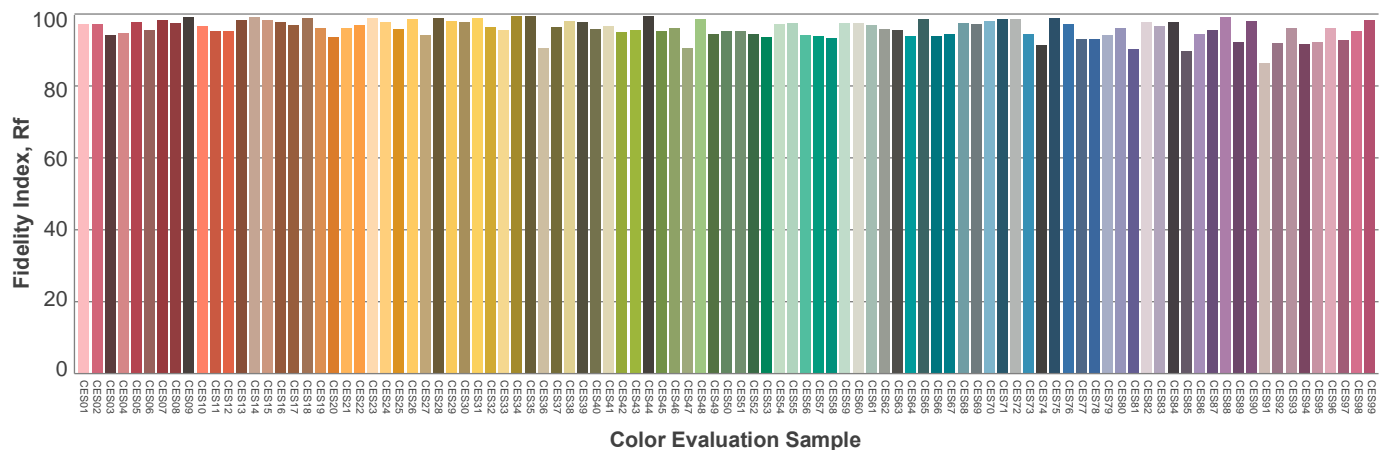
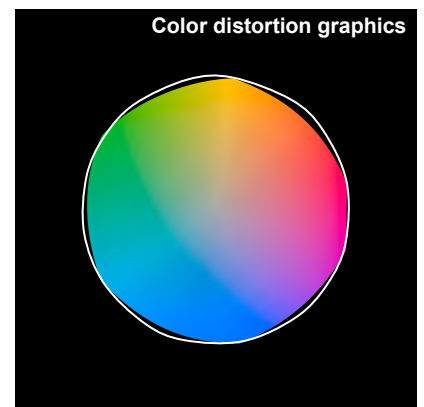
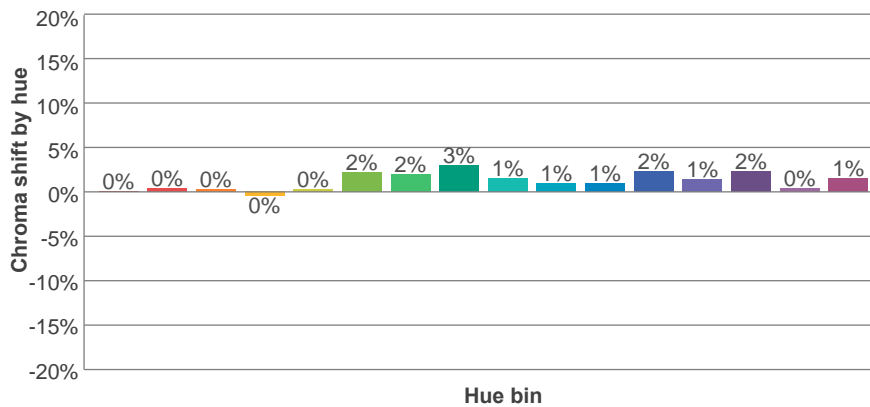
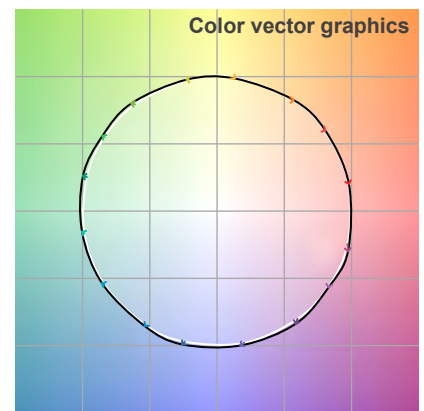
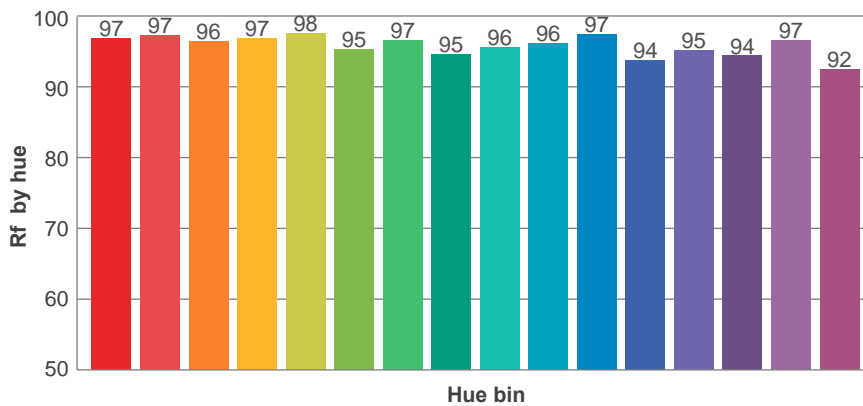
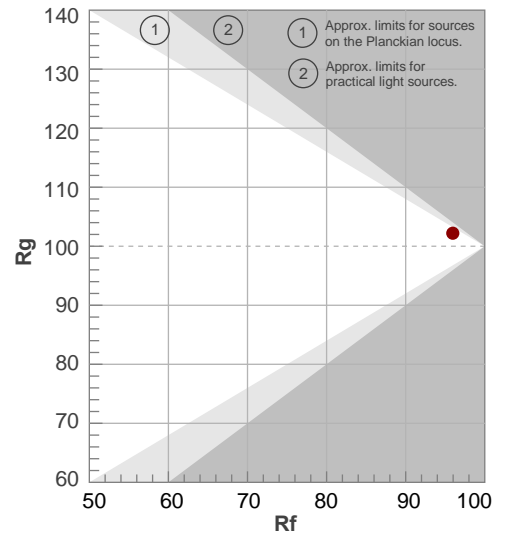
**Rf 96.0**

Fidelity index Rf

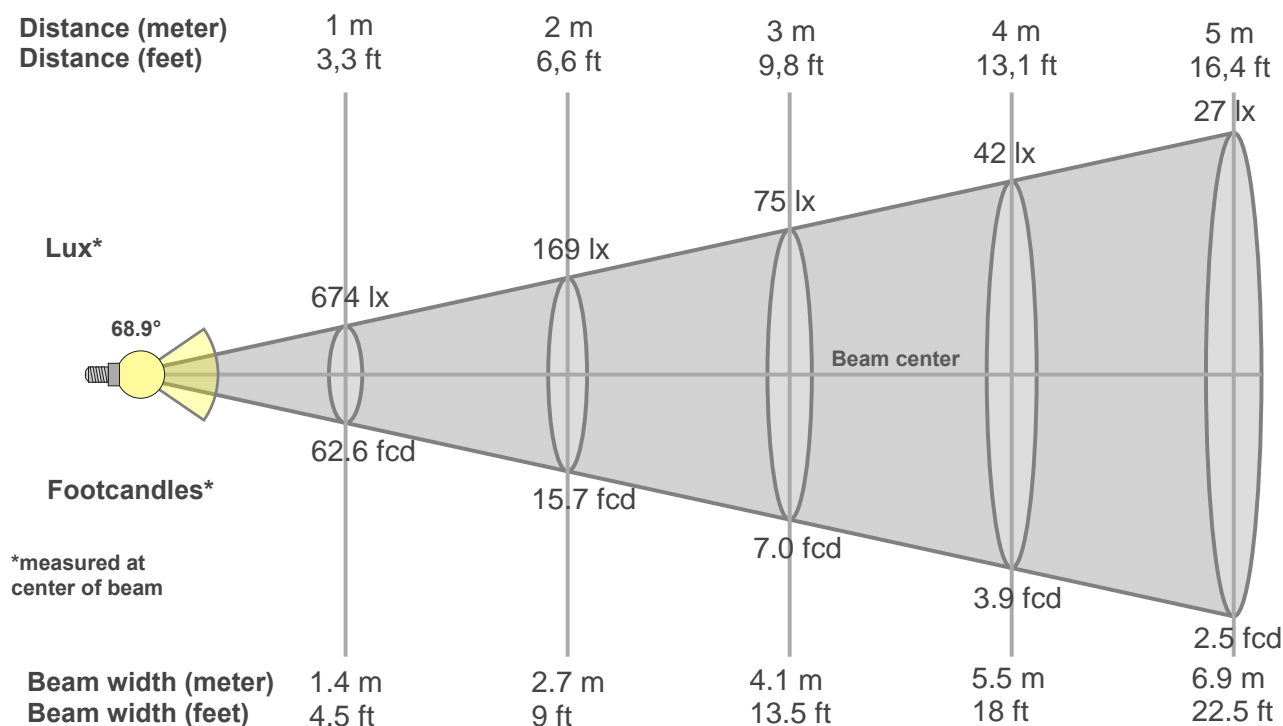
**Rg 102.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	-1%
2	97	0%	-1%
3	96	0%	0%
4	97	0%	-1%
5	98	0%	1%
6	95	2%	2%
7	97	2%	0%
8	95	3%	0%
9	96	1%	-2%
10	96	1%	-2%
11	97	1%	0%
12	94	2%	-2%
13	95	1%	-3%
14	94	2%	-3%
15	97	0%	-1%
16	92	1%	-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
674lx	169lx	75lx	42lx	27lx	19lx	14lx	11lx	8lx	7lx	6lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx
62.6fcd	15.7fcd	7fcd	3.9fcd	2.5fcd	1.7fcd	1.3fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd

### 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°
674	672	668	661	653	641	628	612	594	574	552	529	504	478	451	423	391	349	296	239
100%	100%	99%	98%	97%	95%	93%	91%	88%	85%	82%	79%	75%	71%	67%	63%	58%	52%	44%	35%

### 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°
674	672	668	661	653	641	628	612	594	574	552	529	504	478	451	423	391	349	296	239
100%	100%	99%	98%	97%	95%	93%	91%	88%	85%	82%	79%	75%	71%	67%	63%	58%	52%	44%	35%

### 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°
674	672	668	661	653	641	628	612	594	574	552	529	504	478	451	423	391	349	296	239
100%	100%	99%	98%	97%	95%	93%	91%	88%	85%	82%	79%	75%	71%	67%	63%	58%	52%	44%	35%

### 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°
674	672	668	661	653	641	628	612	594	574	552	529	504	478	451	423	391	349	296	239
100%	100%	99%	98%	97%	95%	93%	91%	88%	85%	82%	79%	75%	71%	67%	63%	58%	52%	44%	35%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
68.9°	89.5°	100.3°	98.1%	95.3%