

Light efficiency:

84 Lumen/Watt

Light quality:

CRI: 80.2

Color temperature:

2915 K

Output: 2092 lm

Peak: 1768 cd

Power: 25.0 W

PF: 1.0



Beam angle

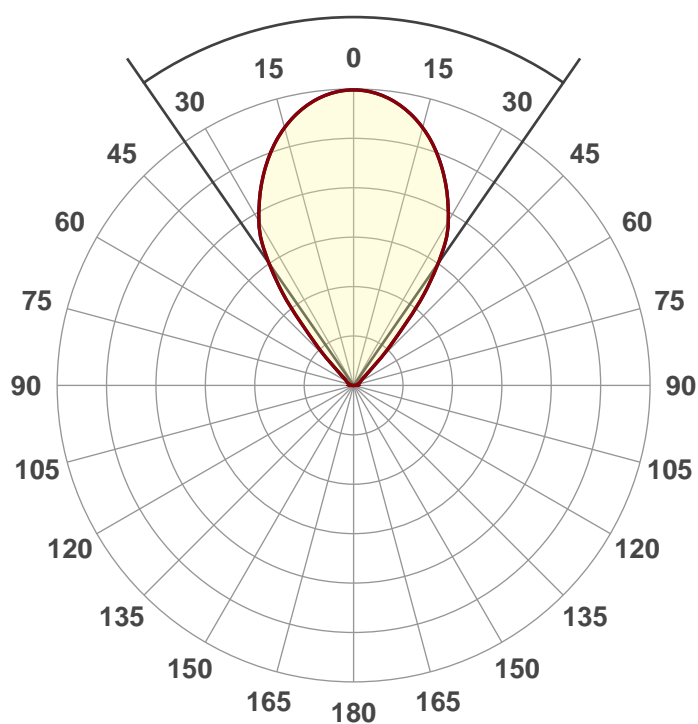
69.4°

Product name:

NU3-QDT-XTM19-27LM-30K-83-HE70-  
NL-120-DIM10-NC-WH-WH

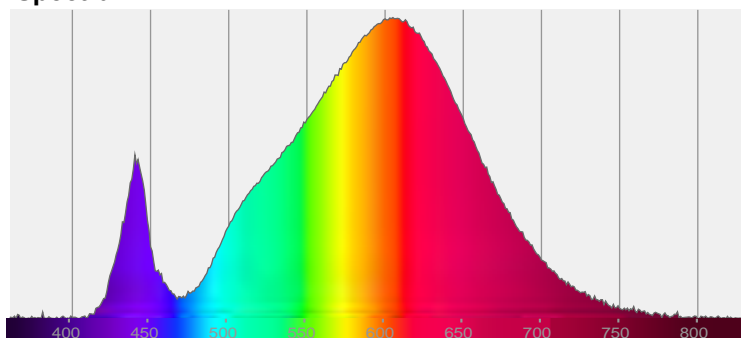
Date and time:

12/1/2017 10:29:28 AM

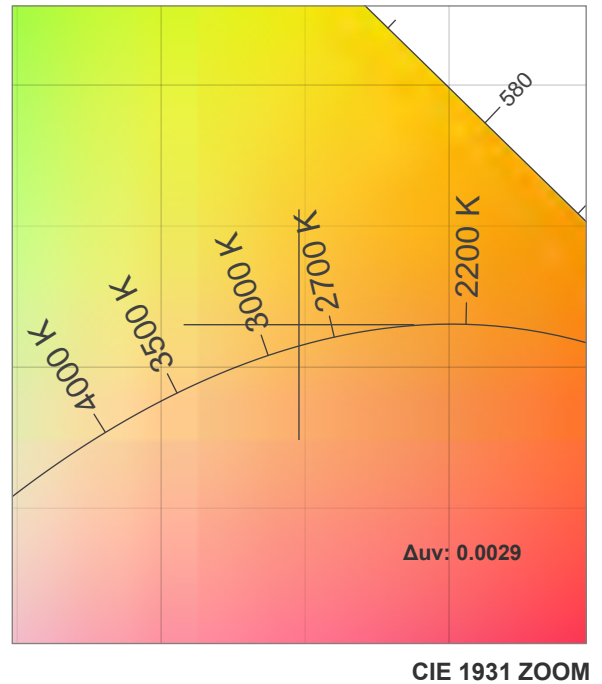
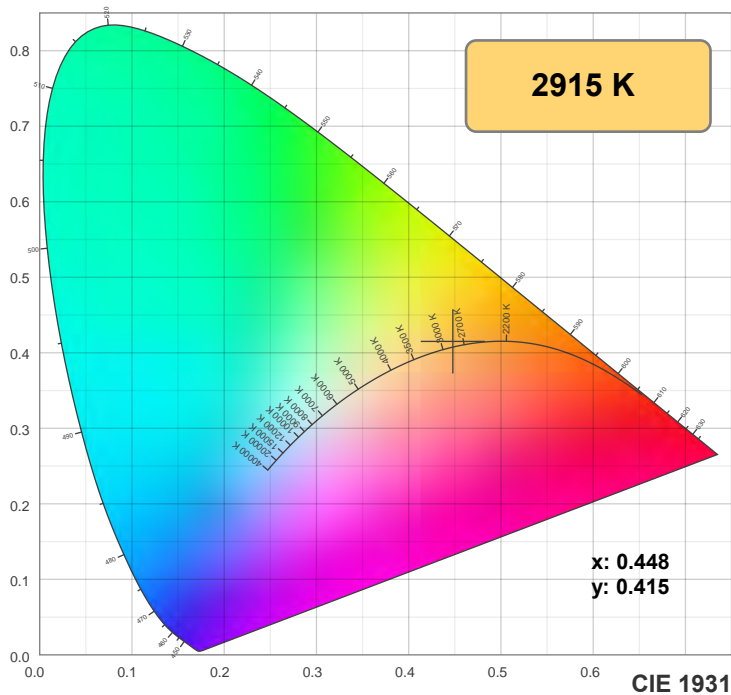


CIE 1931  
x: 0.448  
y: 0.415

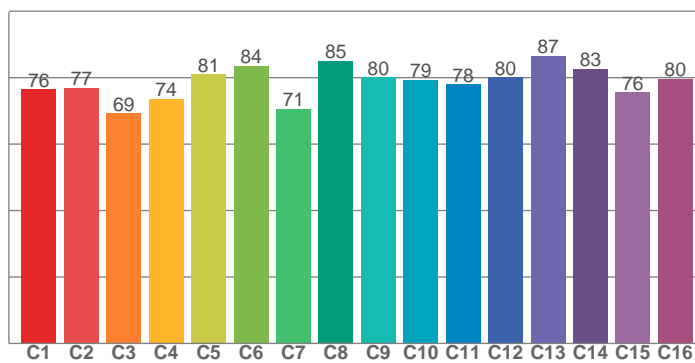
Spectra



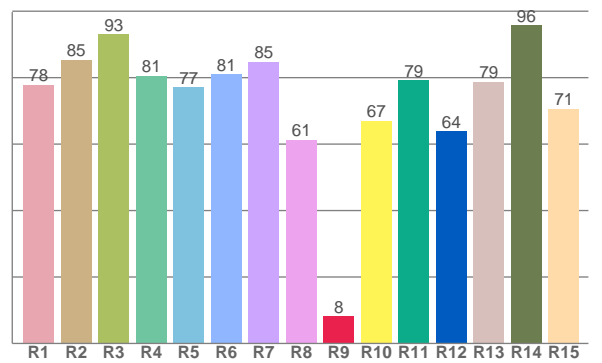
## Color details



**TM30: 78.4**



**CRI: 80.2 (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
77.9	85.4	93.1	80.6	77.2	81.0	84.8	61.3	8.3	67.1	79.3	64.0	78.8	95.7	70.7

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
76.4	76.9	69.2	73.6	81.0	83.6	70.6	85.1	80.1	79.4	78.0	80.1	86.6	82.6	75.6	79.6

## 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
2915 K	80.2	8.3	78.4	98.6	0.448	0.415	0.253	0.351	0.0029

## TM30 details

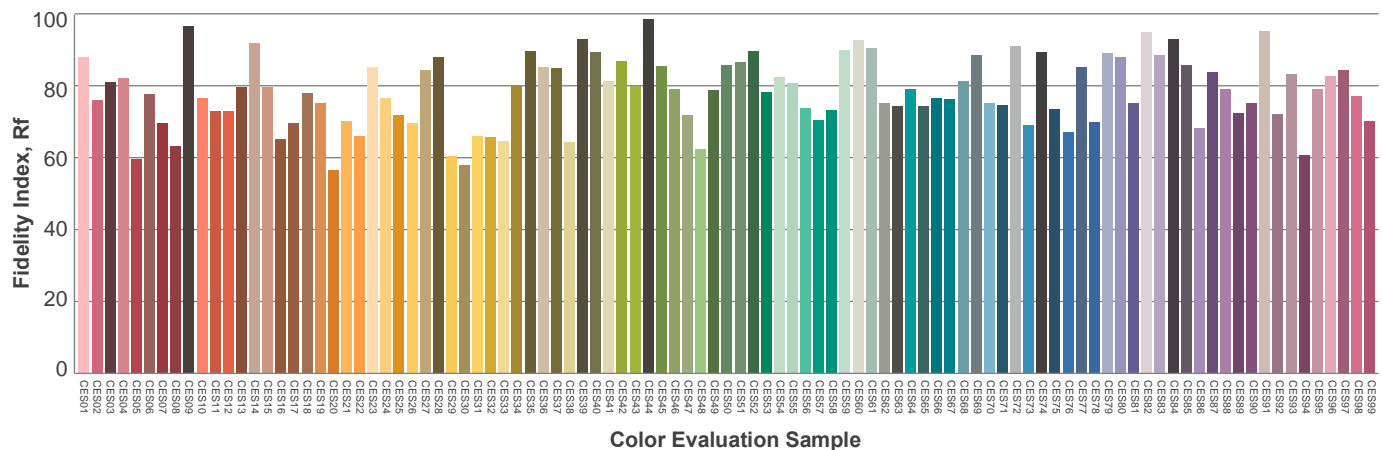
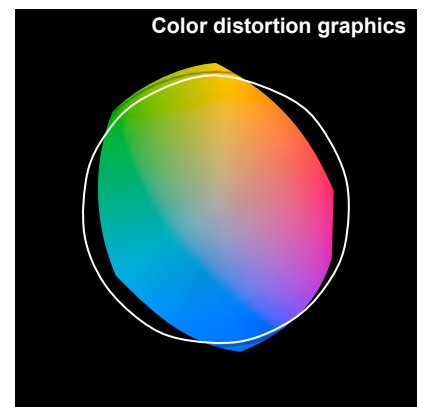
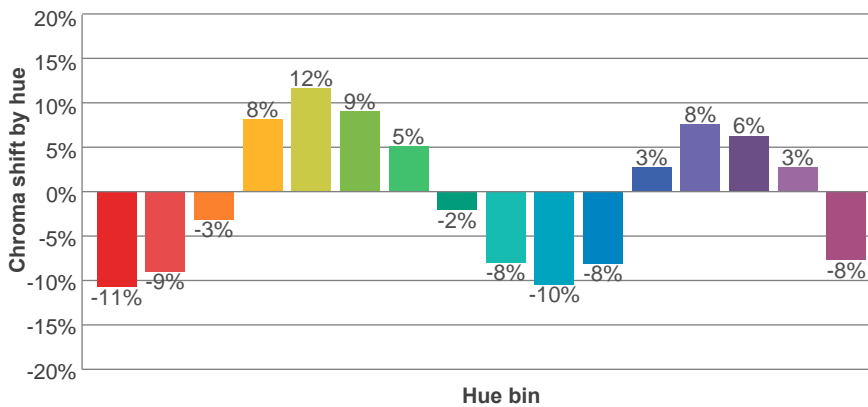
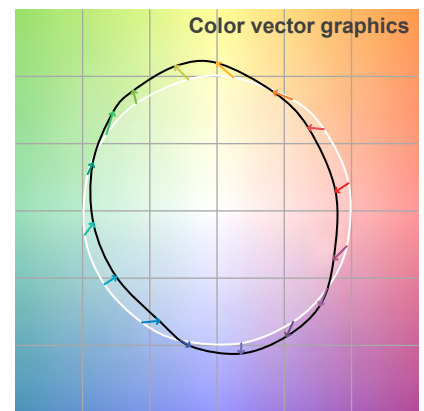
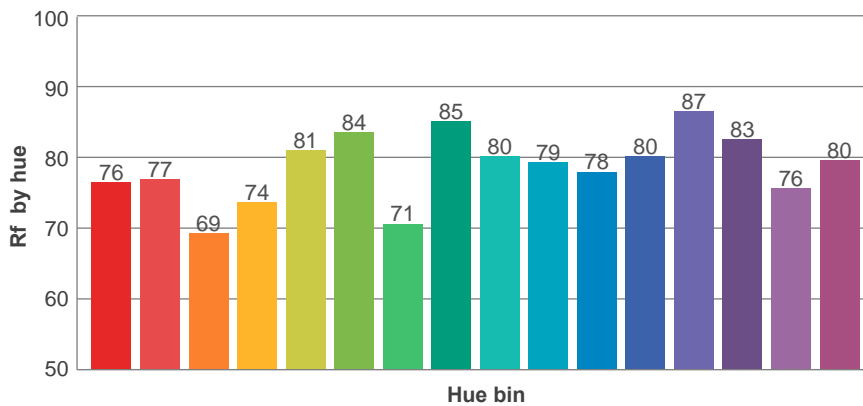
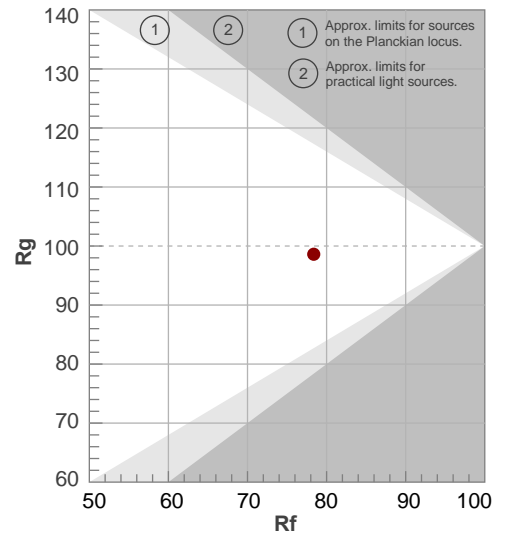
**Rf 78.4**

Fidelity index Rf

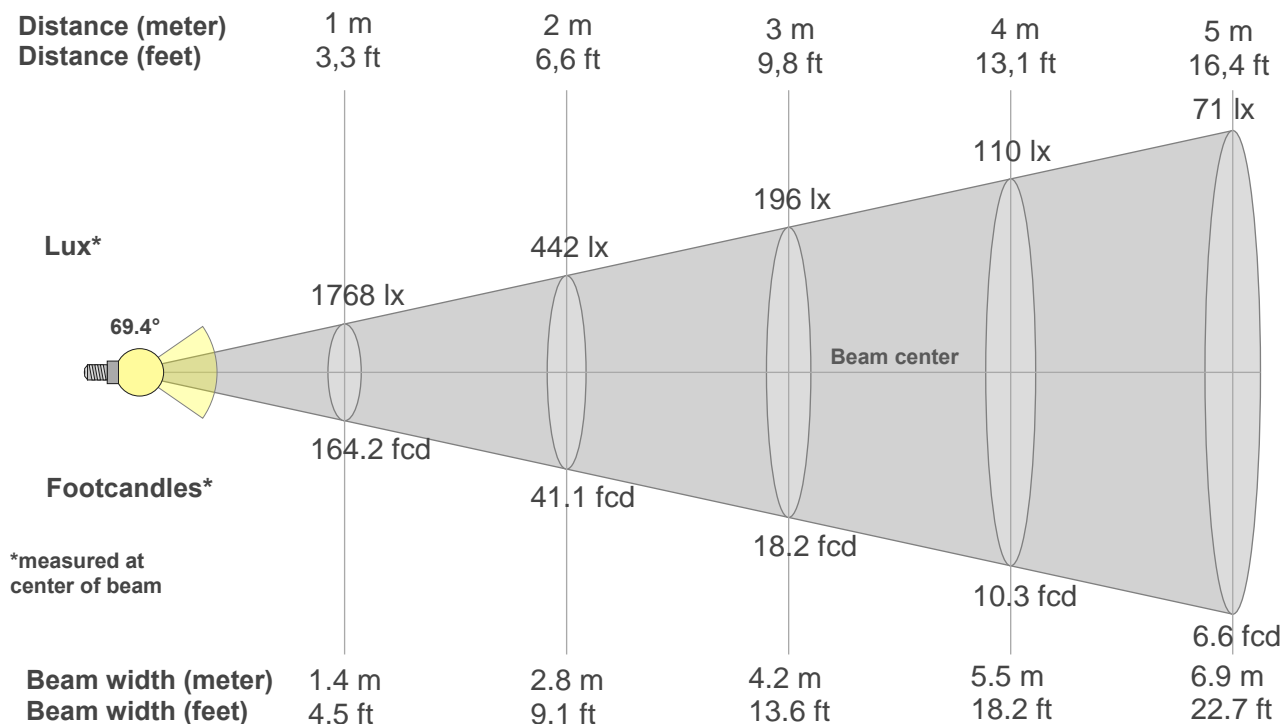
**Rg 98.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	76	-11%	-4%
2	77	-9%	7%
3	69	-3%	14%
4	74	8%	14%
5	81	12%	8%
6	84	9%	-3%
7	71	5%	-16%
8	85	-2%	-8%
9	80	-8%	-7%
10	79	-10%	0%
11	78	-8%	10%
12	80	3%	7%
13	87	8%	-2%
14	83	6%	-10%
15	76	3%	-13%
16	80	-8%	-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
1768lx	442lx	196lx	110lx	71lx	49lx	36lx	28lx	22lx	18lx	15lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
164.2fcd	41.1fcd	18.2fcd	10.3fcd	6.6fcd	4.6fcd	3.4fcd	2.6fcd	2fcd	1.6fcd	1.4fcd	1.1fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

### 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°
1768	1768	1756	1740	1721	1690	1659	1619	1574	1526	1468	1410	1345	1277	1206	1126	1046	931	799	665
100%	100%	99%	98%	97%	96%	94%	92%	89%	86%	83%	80%	76%	72%	68%	64%	59%	53%	45%	38%

### 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°
1768	1768	1756	1740	1721	1690	1659	1619	1574	1526	1468	1410	1345	1277	1206	1126	1046	931	799	665
100%	100%	99%	98%	97%	96%	94%	92%	89%	86%	83%	80%	76%	72%	68%	64%	59%	53%	45%	38%

### 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°
1768	1768	1756	1740	1721	1690	1659	1619	1574	1526	1468	1410	1345	1277	1206	1126	1046	931	799	665
100%	100%	99%	98%	97%	96%	94%	92%	89%	86%	83%	80%	76%	72%	68%	64%	59%	53%	45%	38%

### 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°
1768	1768	1756	1740	1721	1690	1659	1619	1574	1526	1468	1410	1345	1277	1206	1126	1046	931	799	665
100%	100%	99%	98%	97%	96%	94%	92%	89%	86%	83%	80%	76%	72%	68%	64%	59%	53%	45%	38%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
69.4°	93.1°	124.4°	95.2%	89.8%