

Light efficiency:

88 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3047 K

Output: 2026 lm

Peak: 1516 cd

Power: 22.9 W

PF: 0.98

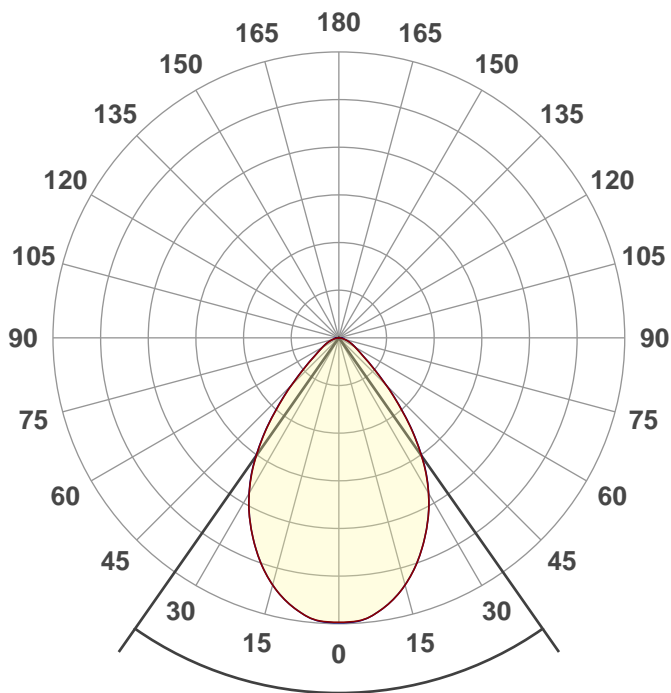


Product name:

**NU3-QD-SW-27LM-30K-80-HE70-120-DIM10-NC-WH-WH**

Date and time:

**12/19/2018 7:17:42 AM**



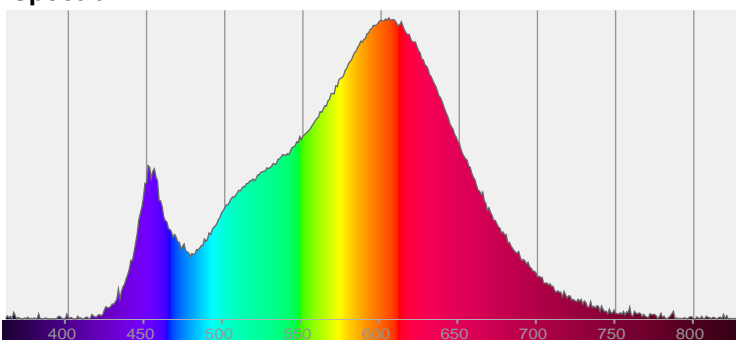
Beam angle

**70°**

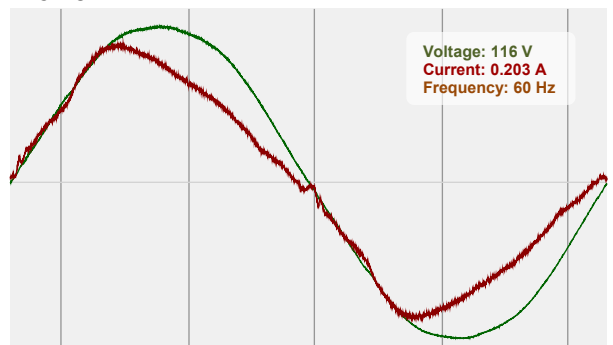


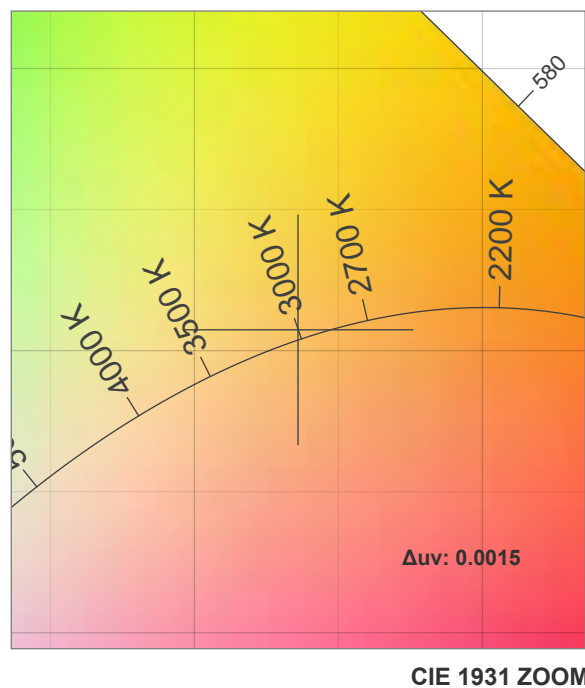
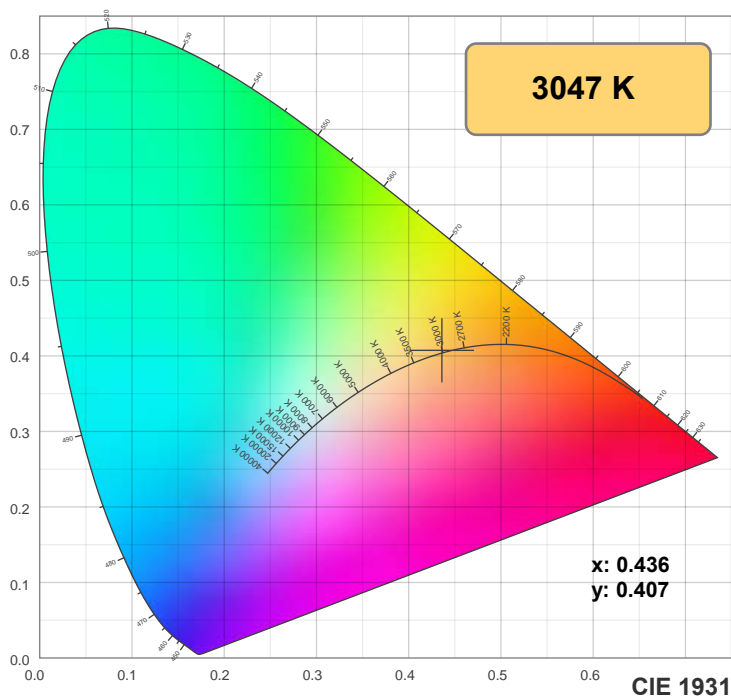
CIE 1931  
x: 0.436  
y: 0.407

Spectra

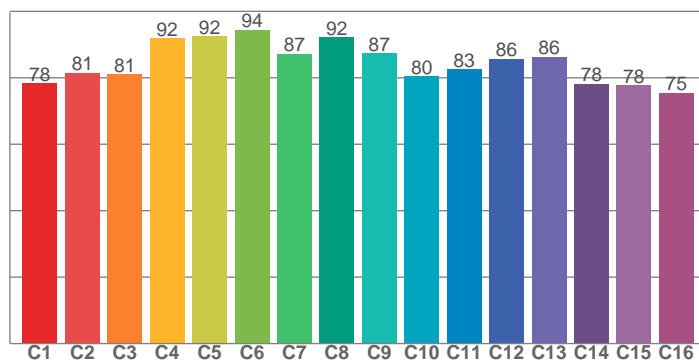


Power

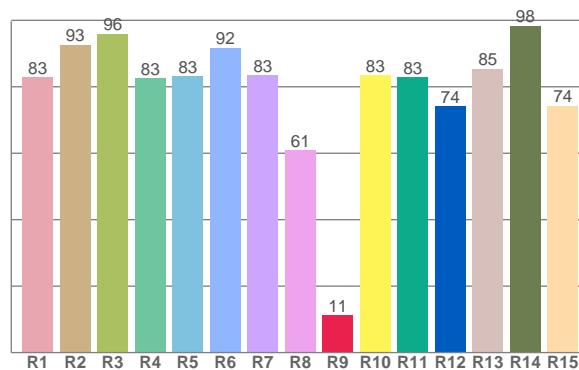




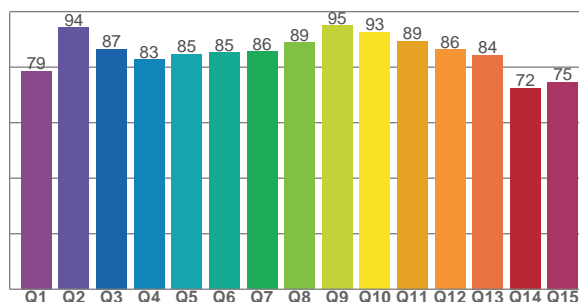
**TM30: 84.7**



**CRI: 84.2 (R1-R8)**



**CQS: 84.0**



**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
82.9	92.6	96.0	82.6	83.2	91.7	83.4	60.8	11.2	83.4	82.8	74.2	85.4	98.4	74.3

**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
78.3	81.4	81.1	91.9	92.4	94.4	87.1	92.1	87.3	80.5	82.5	85.7	86.2	78.1	77.7	75.4

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.6	94.2	86.5	82.8	84.6	85.3	85.6	88.8	95.0	92.6	89.4	86.4	84.3	72.4	74.7

## 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	Δuv
3047 K	84.2	11.2	84.7	94.5	84.0	0.436	0.407	0.249	0.348	0.0015

## TM30 Details

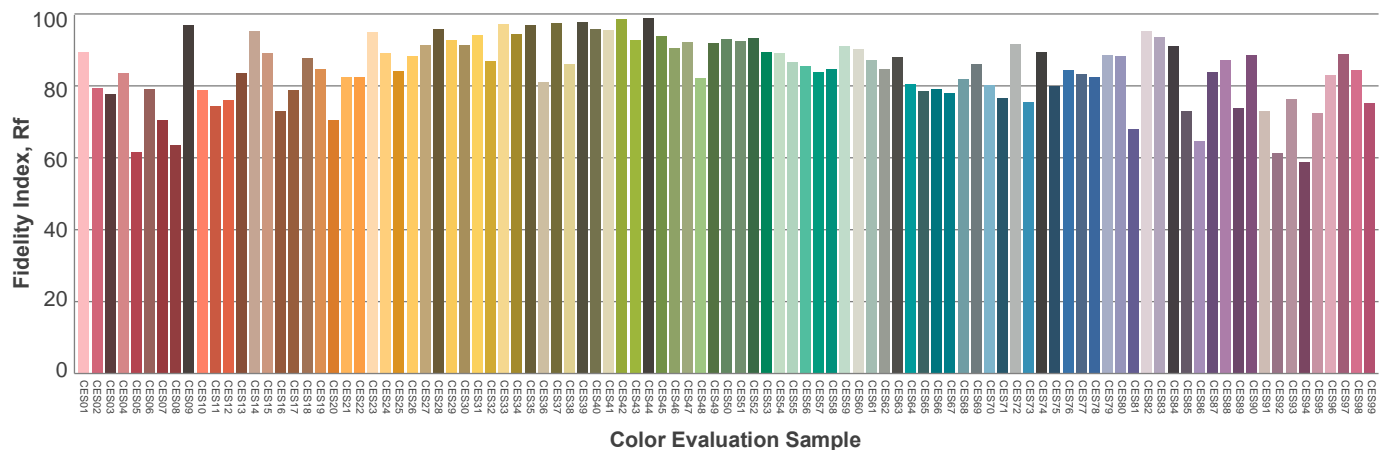
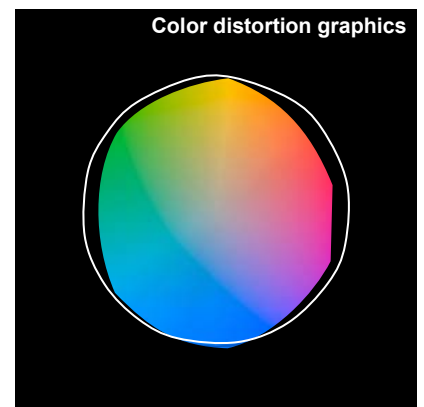
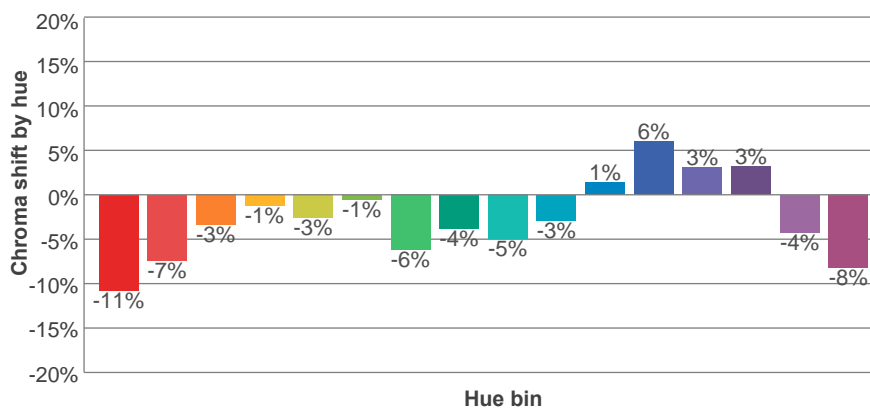
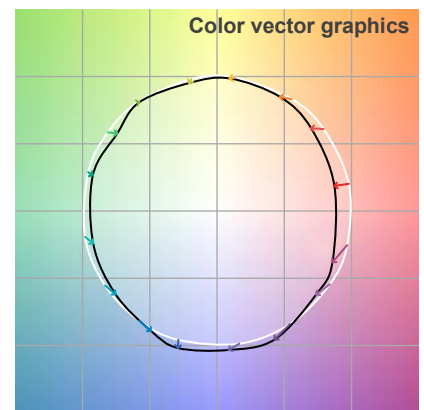
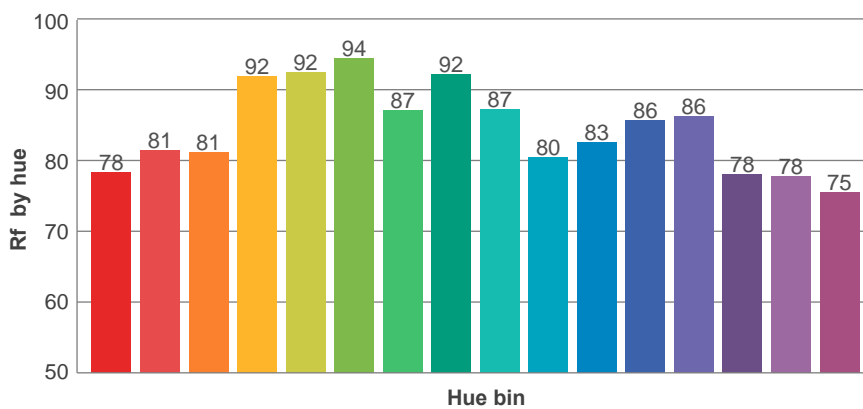
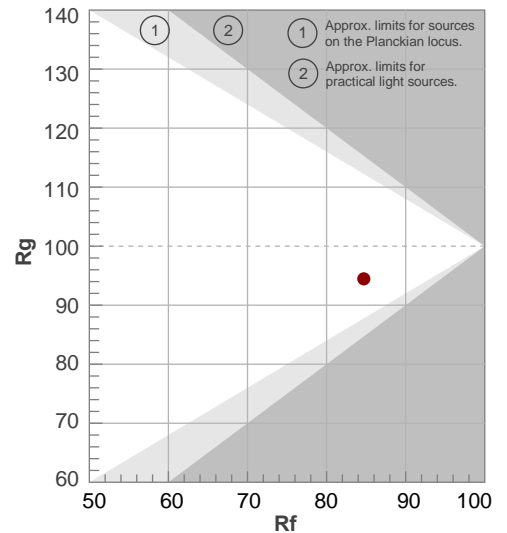
**Rf 84.7**

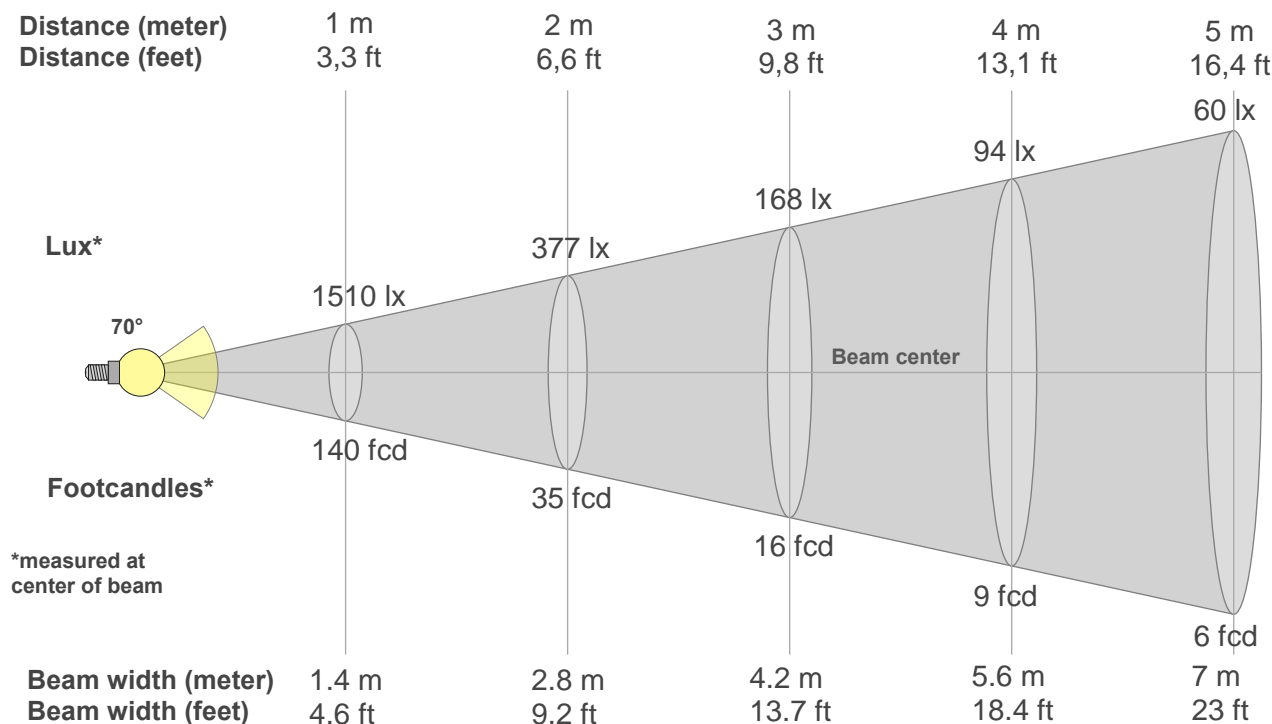
Fidelity index Rf

**Rg 94.5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	1%
2	81	-7%	6%
3	81	-3%	8%
4	92	-1%	4%
5	92	-3%	2%
6	94	-1%	-2%
7	87	-6%	-3%
8	92	-4%	2%
9	87	-5%	6%
10	80	-3%	10%
11	83	1%	11%
12	86	6%	1%
13	86	3%	-9%
14	78	3%	-16%
15	78	-4%	-12%
16	75	-8%	-15%





### 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
1510lx	377lx	168lx	94lx	60lx	42lx	31lx	24lx	19lx	15lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
140.3fcd	35.1fcd	15.6fcd	8.8fcd	5.6fcd	3.9fcd	2.9fcd	2.2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd

### 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°
1510	1496	1443	1356	1241	1105	949	763	556	362	221	143	102	75	52	33	19	9	3	3
100%	99%	96%	90%	82%	73%	63%	51%	37%	24%	15%	9%	7%	5%	3%	2%	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°
1510	1497	1442	1355	1240	1104	950	766	559	366	224	143	102	75	52	32	19	9	4	3
100%	99%	96%	90%	82%	73%	63%	51%	37%	24%	15%	9%	7%	5%	3%	2%	1%	1%	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°
1510	1496	1443	1356	1241	1105	949	763	556	362	221	143	102	75	52	33	19	9	3	3
100%	99%	96%	90%	82%	73%	63%	51%	37%	24%	15%	9%	7%	5%	3%	2%	1%	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°
1510	1497	1442	1355	1240	1104	950	766	559	366	224	143	102	75	52	32	19	9	4	3
100%	99%	96%	90%	82%	73%	63%	51%	37%	24%	15%	9%	7%	5%	3%	2%	1%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
70°	107.3°	146.8°	93.4%	81.7%