

Light efficiency:

**66 Lumen/Watt**

Light quality:

**CRI: 98.0**

Color temperature:

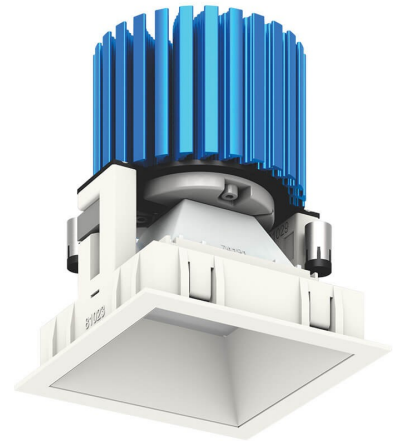
**3004 K**

**Output: 573 lm**

**Peak: 351 cd**

**Power: 8.7 W**

**PF: 0.94**

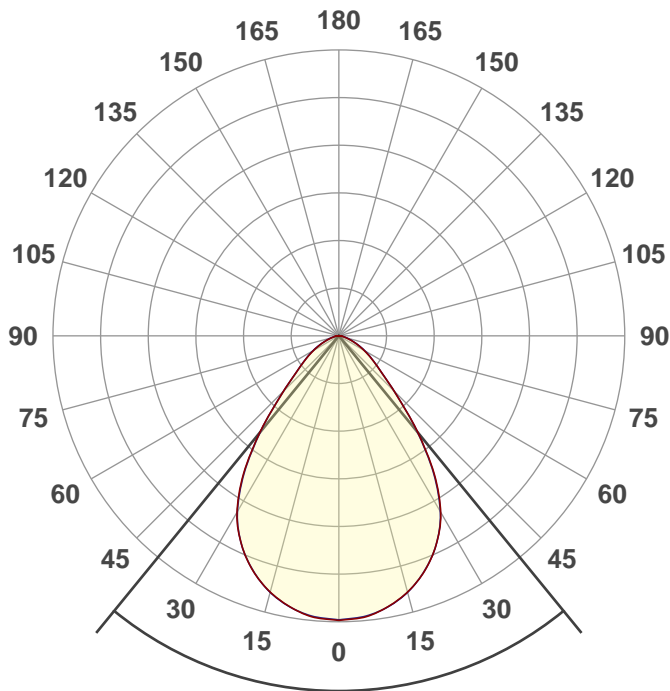


Product name:

**NU3-QD-SUN-07LM-30K-97-WH80-120-DIM10-RET-WH-WH**

Date and time:

**12/21/2018 1:20:45 PM**



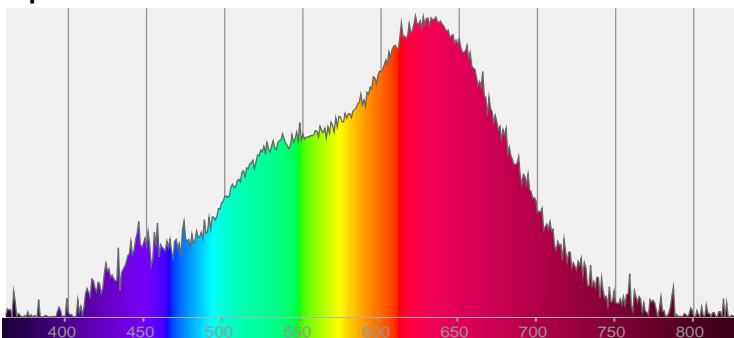
Beam angle

**78.5°**

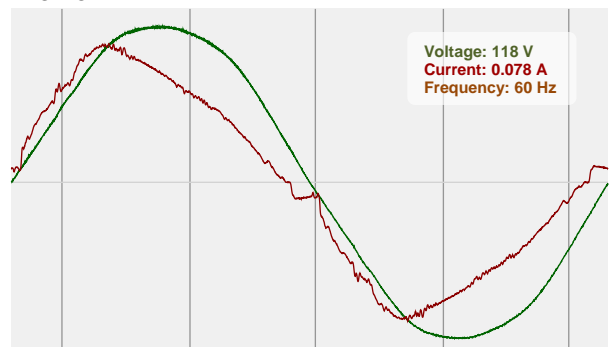


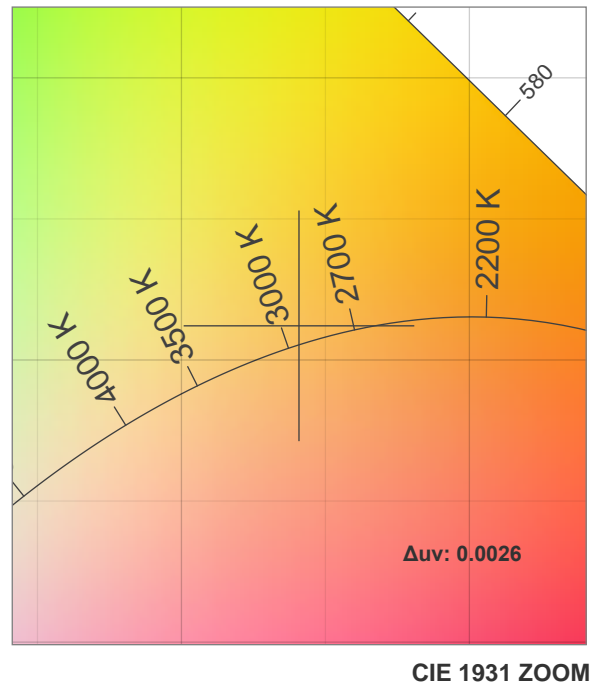
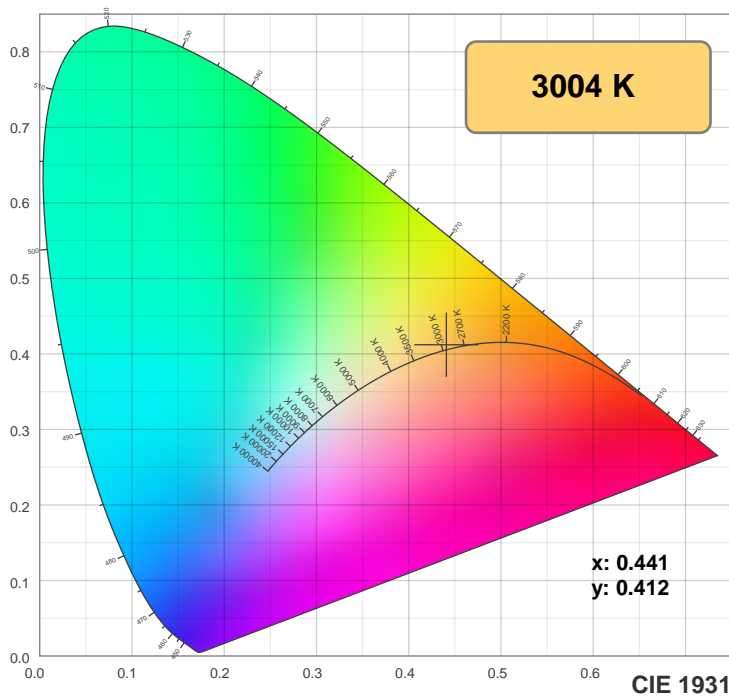
CIE 1931  
x: 0.441  
y: 0.412

Spectra

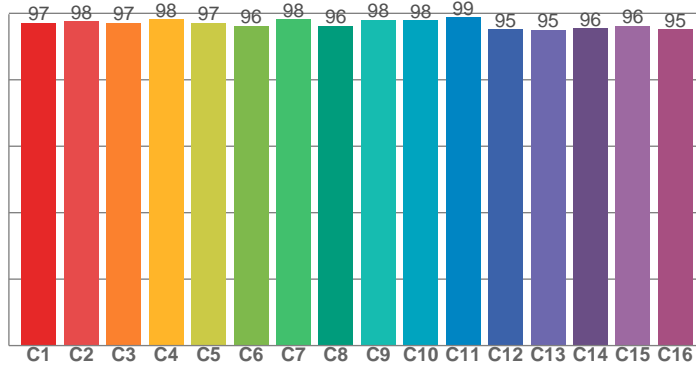


Power

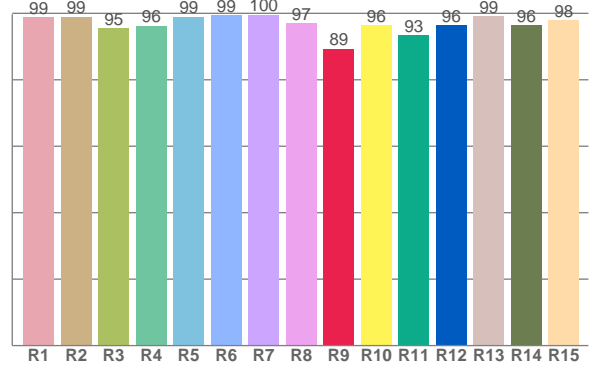




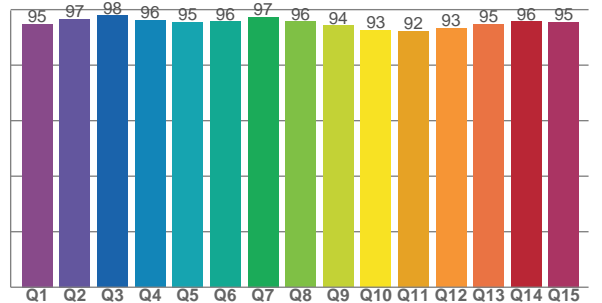
**TM30: 97.0**



**CRI: 98.0 (R1-R8)**



**CQS: 94.9**



**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
98.8	99.0	95.5	96.3	99.0	99.4	99.6	96.9	89.4	96.5	93.3	96.4	99.1	96.5	97.9

**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
97.2	97.6	97.2	98.2	97.2	96.2	98.2	96.2	98.0	97.9	98.8	95.2	95.1	95.5	96.1	95.2

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.8	96.7	97.8	96.2	95.5	95.8	97.3	95.7	94.3	92.6	92.4	93.3	94.9	95.7	95.5

## 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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3004 K	98.0	89.4	97.0	100.1	94.9	0.441	0.412	0.250	0.350	0.0026

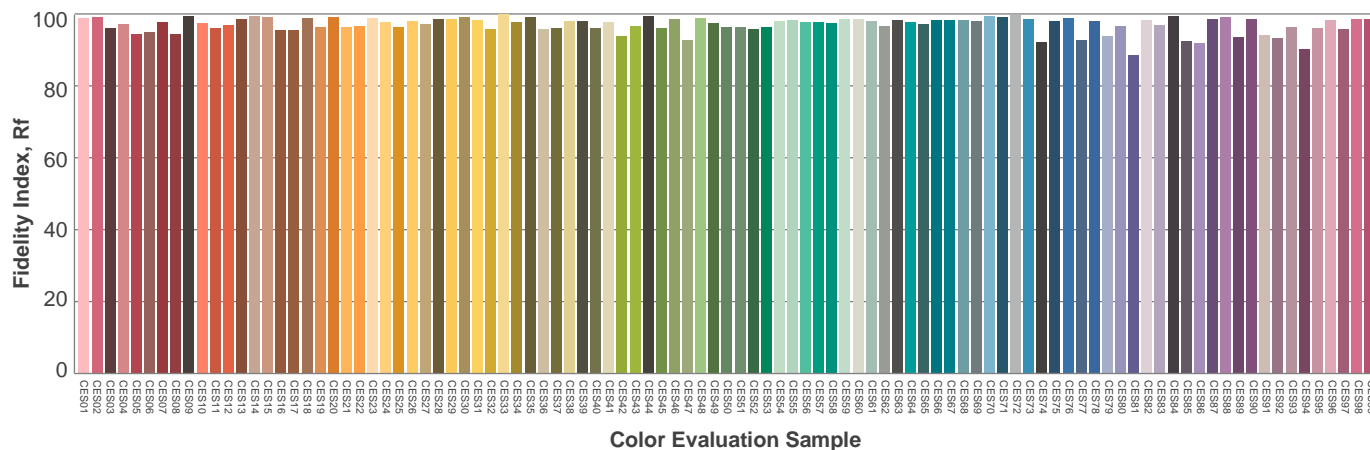
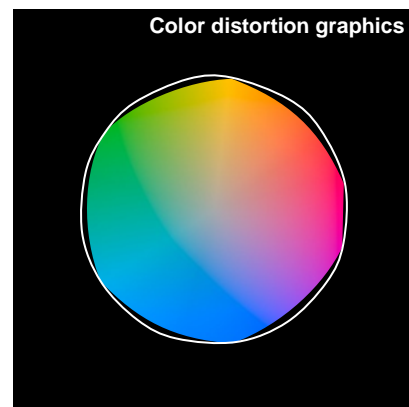
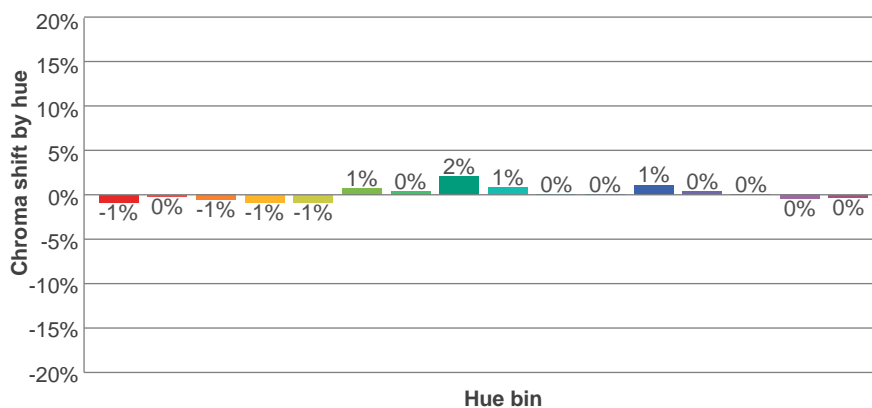
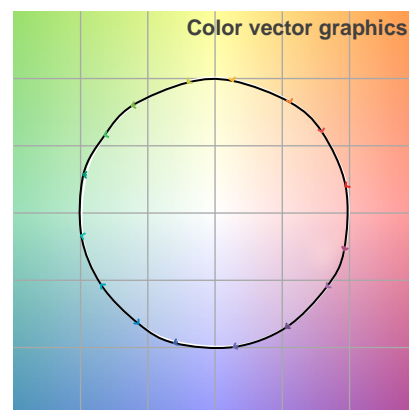
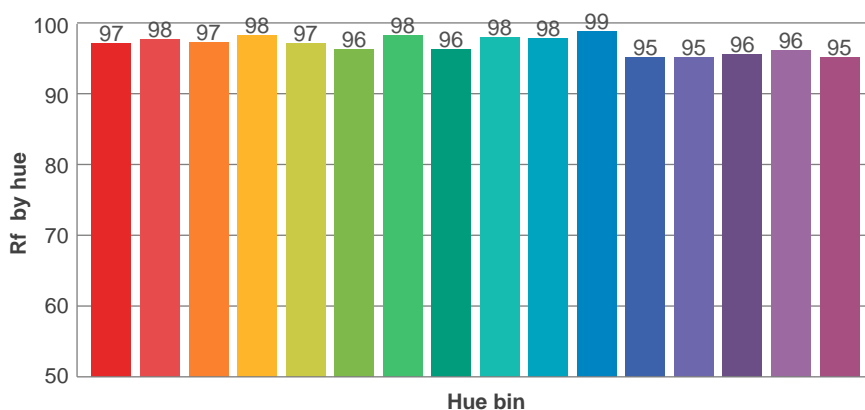
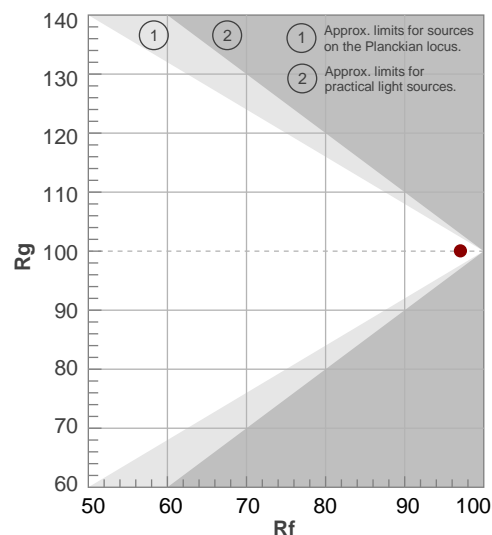
**Rf 97.0**

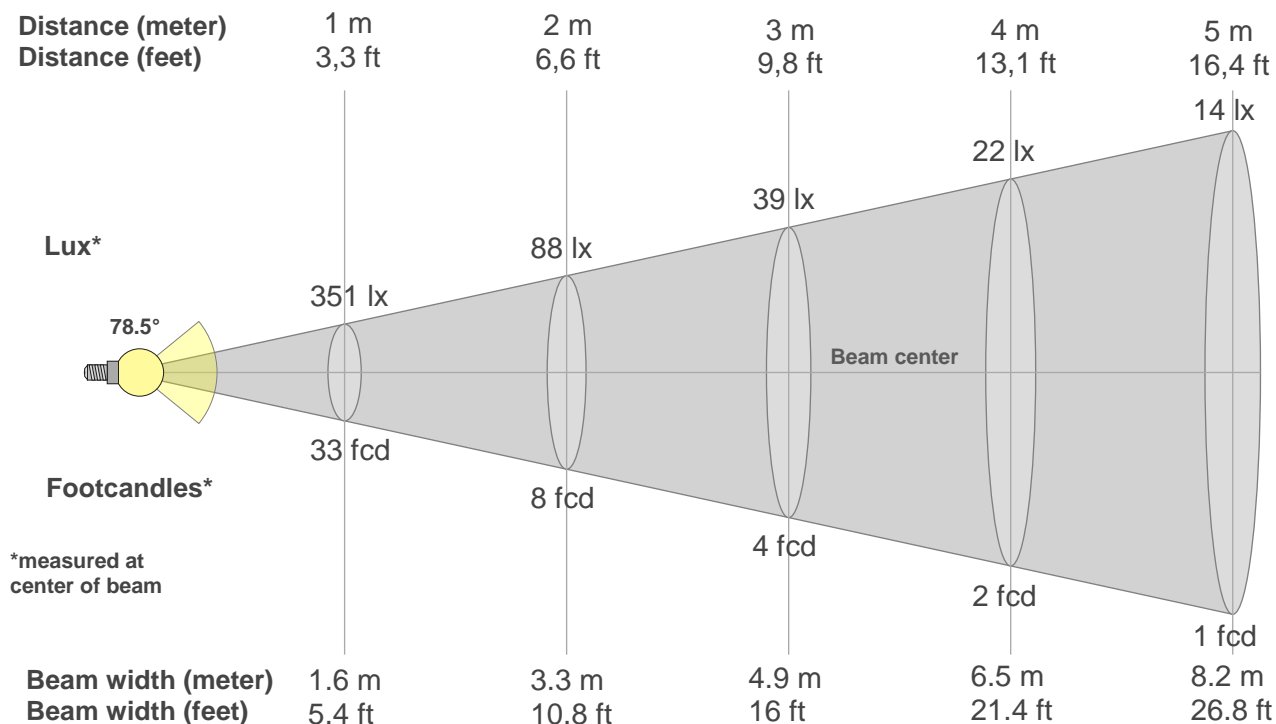
Fidelity index Rf

**Rg 100.1**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	0%	-1%
3	97	-1%	-1%
4	98	-1%	0%
5	97	-1%	1%
6	96	1%	2%
7	98	0%	1%
8	96	2%	0%
9	98	1%	0%
10	98	0%	0%
11	99	0%	0%
12	95	1%	-2%
13	95	0%	-3%
14	96	0%	-3%
15	96	0%	-2%
16	95	0%	-3%





### 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
351lx	88lx	39lx	22lx	14lx	10lx	7lx	5lx	4lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
32.6fcd	8.1fcd	3.6fcd	2fcd	1.3fcd	0.9fcd	0.7fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	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°
351	349	340	327	309	284	251	203	146	97	67	50	36	25	16	9	5	2	1	1
100%	99%	97%	93%	88%	81%	72%	58%	42%	28%	19%	14%	10%	7%	4%	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°
351	348	340	328	309	284	250	201	145	97	67	50	37	26	16	10	6	3	1	1
100%	99%	97%	93%	88%	81%	71%	57%	41%	28%	19%	14%	11%	7%	5%	3%	2%	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°
351	349	340	327	309	284	251	203	146	97	67	50	36	25	16	9	5	2	1	1
100%	99%	97%	93%	88%	81%	72%	58%	42%	28%	19%	14%	10%	7%	4%	3%	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°
351	348	340	328	309	284	250	201	145	97	67	50	37	26	16	10	6	3	1	1
100%	99%	97%	93%	88%	81%	71%	57%	41%	28%	19%	14%	11%	7%	5%	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
78.5°	122.4°	151.8°	92.5%	77.0%