

Light efficiency:

87 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

2911 K

Output: 1078 lm

Peak: 898 cd

Power: 12.4 W

PF: 0.95

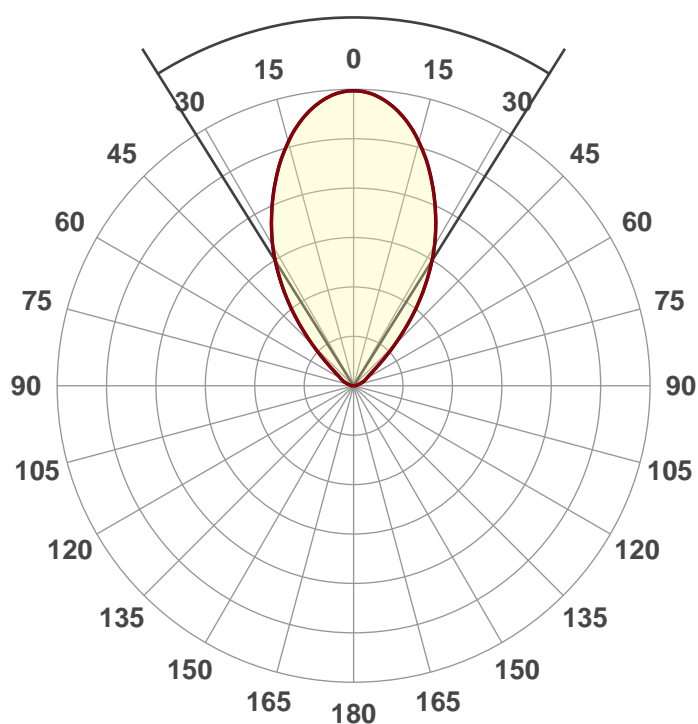


Beam angle

64.2°

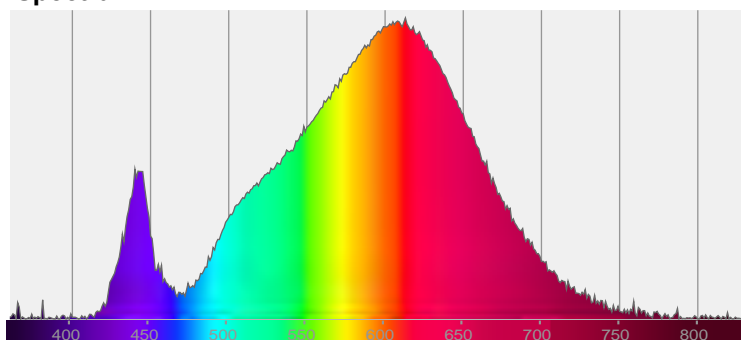
Product name:

NU3-QD-XTM19-13LM-30K-83-
HE60-120-Dim10-RET-WH-WH

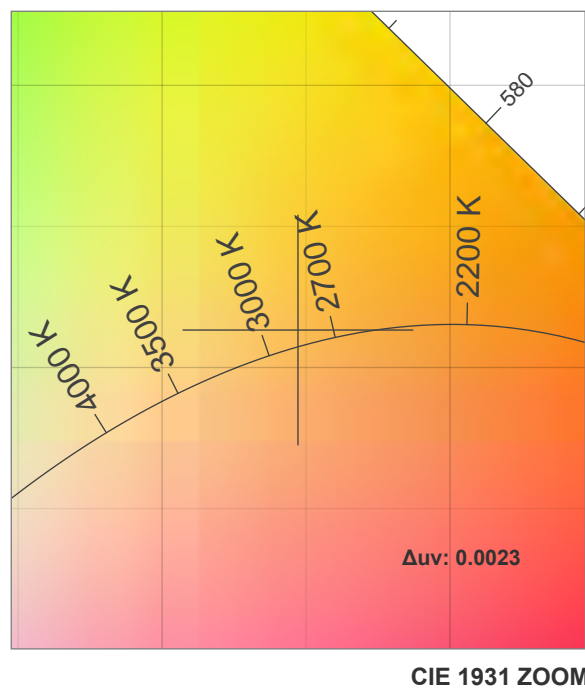
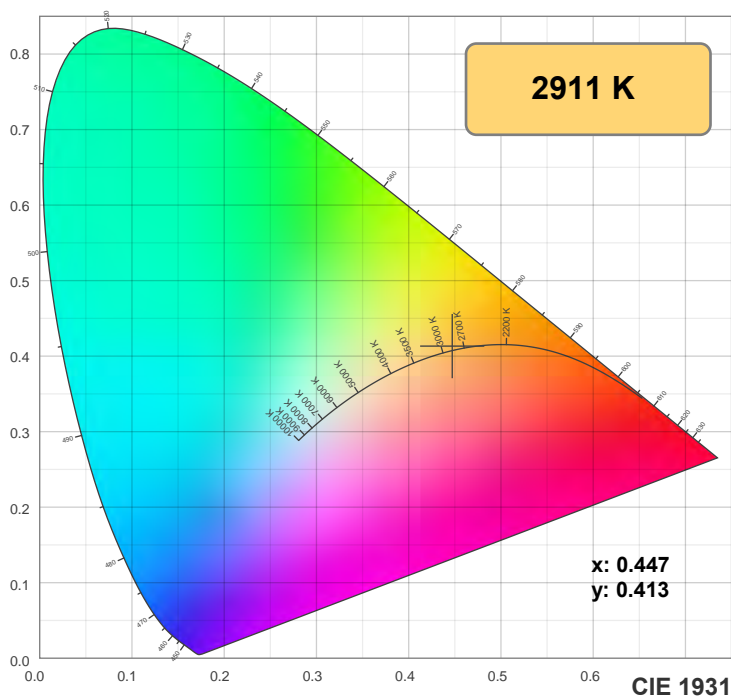


CIE 1931
x: 0.447
y: 0.413

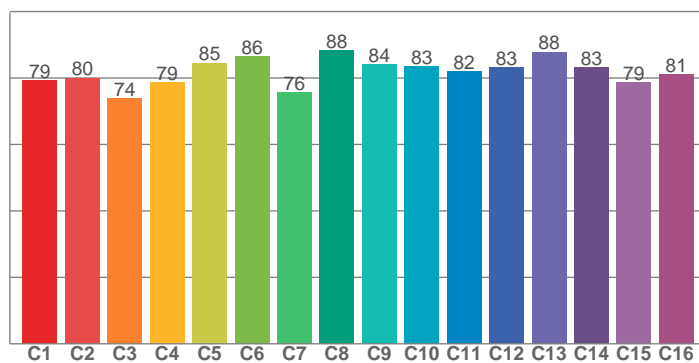
Spectra



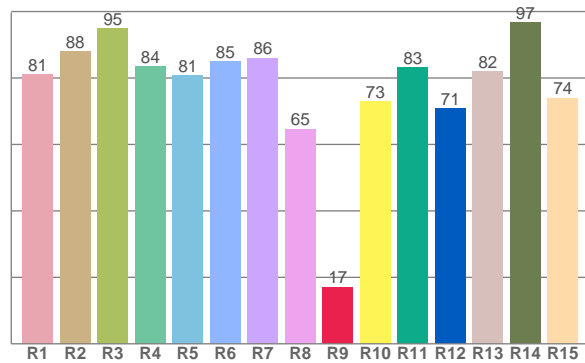
Color details



TM30: 81.7



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81.1 | 88.0 | 95.0 | 83.5 | 80.8 | 85.0 | 86.1 | 64.7 | 17.1 | 73.0 | 83.2 | 71.0 | 82.0 | 96.8 | 74.0 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.2 | 80.0 | 73.8 | 78.7 | 84.5 | 86.4 | 75.7 | 88.4 | 84.0 | 83.5 | 82.0 | 83.2 | 87.8 | 83.2 | 78.7 | 81.1 |

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 |
| 2911 K | 83.0 | 17.1 | 81.7 | 98.9 | 0.447 | 0.413 | 0.253 | 0.351 | 0.0023 |

TM30 details

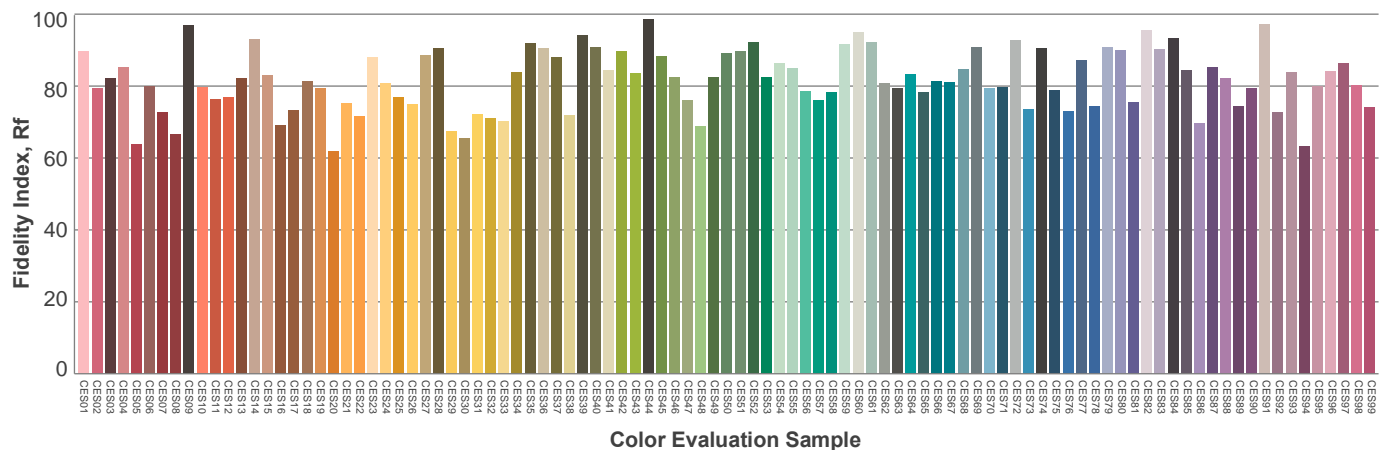
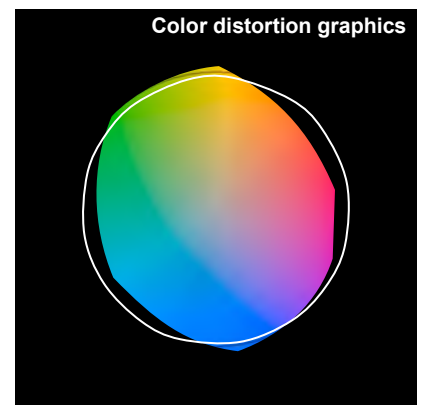
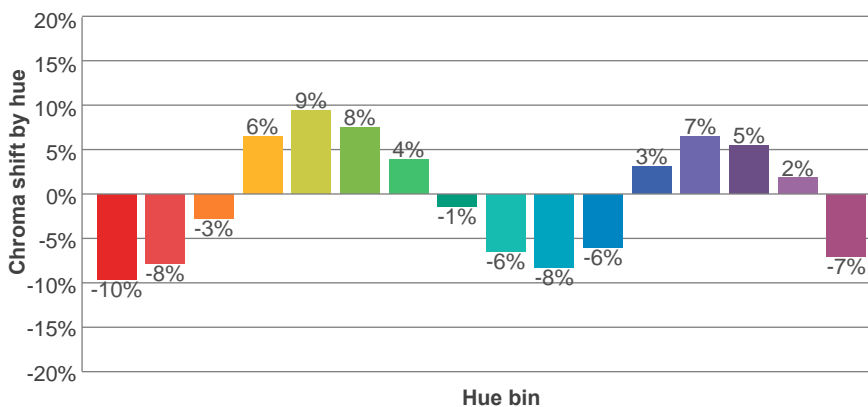
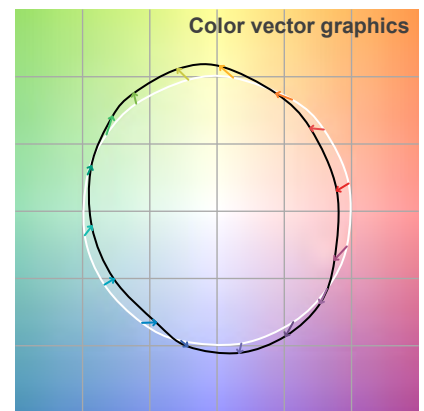
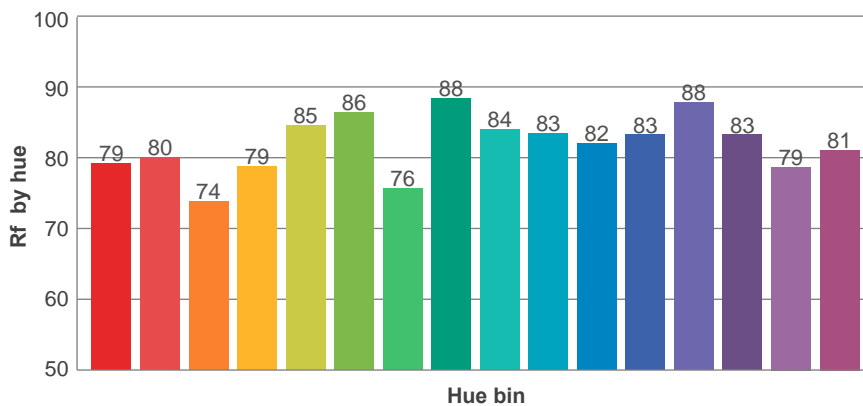
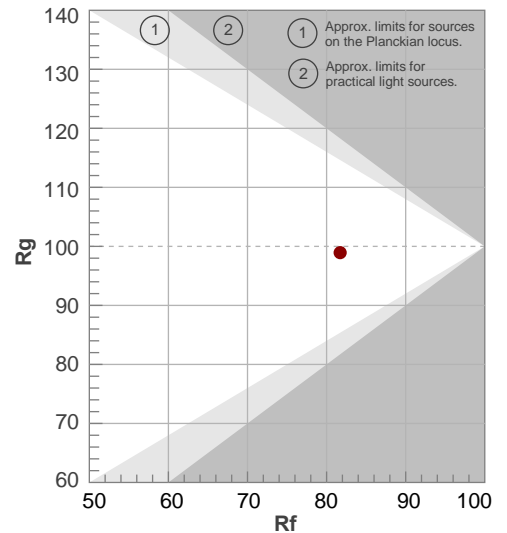
Rf 81.7

Fidelity index Rf

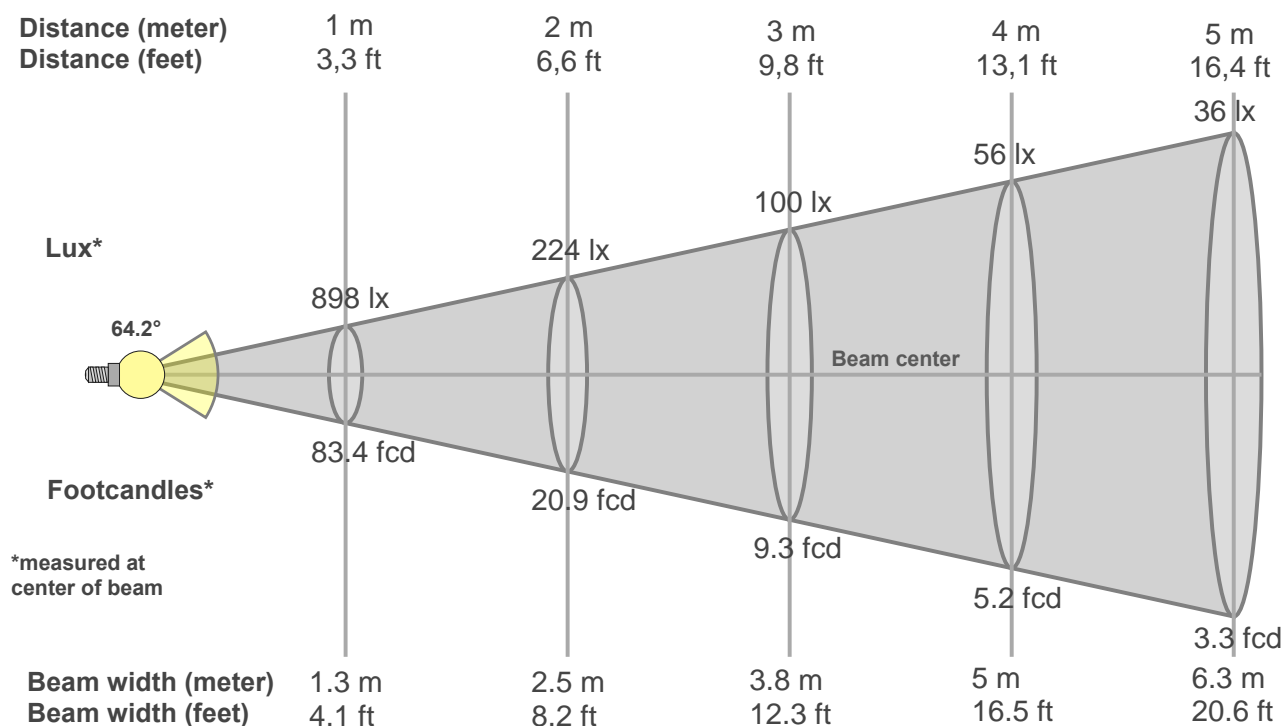
Rg 98.9

Gamut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 79 | -10% | -4% |
| 2 | 80 | -8% | 6% |
| 3 | 74 | -3% | 12% |
| 4 | 79 | 6% | 11% |
| 5 | 85 | 9% | 6% |
| 6 | 86 | 8% | -3% |
| 7 | 76 | 4% | -14% |
| 8 | 88 | -1% | -7% |
| 9 | 84 | -6% | -6% |
| 10 | 83 | -8% | 0% |
| 11 | 82 | -6% | 8% |
| 12 | 83 | 3% | 5% |
| 13 | 88 | 7% | -3% |
| 14 | 83 | 5% | -10% |
| 15 | 79 | 2% | -12% |
| 16 | 81 | -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 |
| 898lx | 224lx | 100lx | 56lx | 36lx | 25lx | 18lx | 14lx | 11lx | 9lx | 7lx | 6lx | 5lx | 5lx | 4lx | 4lx | 3lx | 3lx | 2lx | 2lx |
| 83.4fcd | 20.9fcd | 9.3fcd | 5.2fcd | 3.3fcd | 2.3fcd | 1.7fcd | 1.3fcd | 1fcd | 0.8fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.3fcd | 0.2fcd | 0.2fcd |

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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 898 | 882 | 838 | 769 | 684 | 590 | 493 | 387 | 278 | 177 | 102 | 64 | 46 | 36 | 25 | 16 | 10 | 6 | 3 | 3 |
| 100% | 98% | 93% | 86% | 76% | 66% | 55% | 43% | 31% | 20% | 11% | 7% | 5% | 4% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 898 | 882 | 838 | 769 | 684 | 590 | 493 | 387 | 278 | 177 | 102 | 64 | 46 | 36 | 25 | 16 | 10 | 6 | 3 | 3 |
| 100% | 98% | 93% | 86% | 76% | 66% | 55% | 43% | 31% | 20% | 11% | 7% | 5% | 4% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 898 | 882 | 838 | 769 | 684 | 590 | 493 | 387 | 278 | 177 | 102 | 64 | 46 | 36 | 25 | 16 | 10 | 6 | 3 | 3 |
| 100% | 98% | 93% | 86% | 76% | 66% | 55% | 43% | 31% | 20% | 11% | 7% | 5% | 4% | 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° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 898 | 882 | 838 | 769 | 684 | 590 | 493 | 387 | 278 | 177 | 102 | 64 | 46 | 36 | 25 | 16 | 10 | 6 | 3 | 3 |
| 100% | 98% | 93% | 86% | 76% | 66% | 55% | 43% | 31% | 20% | 11% | 7% | 5% | 4% | 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 |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 64.2° | 102.6° | 142.4° | 0.9% | 0.8% |