

Light efficiency:

74 Lumen/Watt

Light quality:

CRI: 82.4

Color temperature:

2919 K

Output: 2377 lm

Peak: 1808 cd

Power: 32.2 W

PF: 1.0



Beam angle

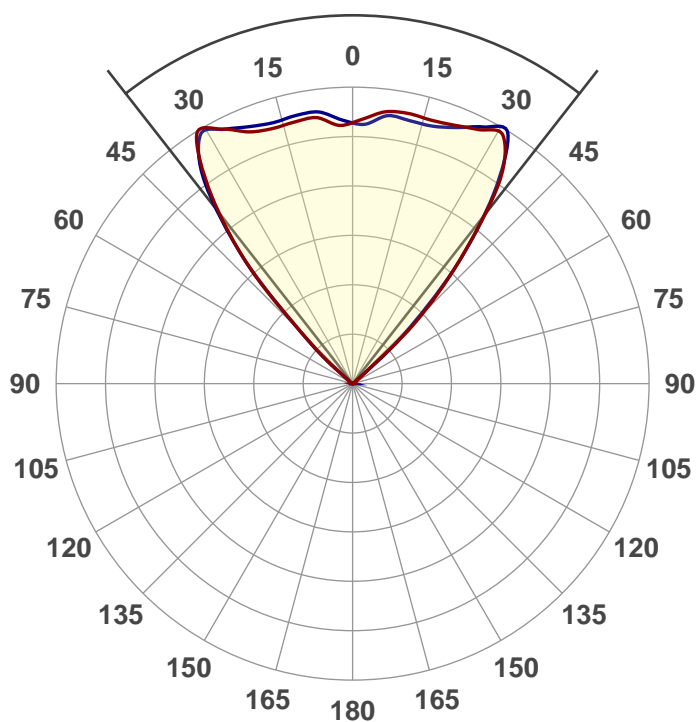
76.1°

Product name:

608QA-6-XTM19-30LM-30K-83-UNV-DIM10-WH-S

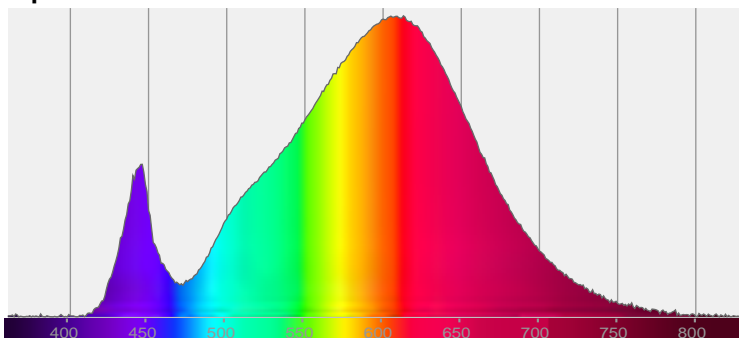
Date and time:

1/11/2018 12:59:47 PM

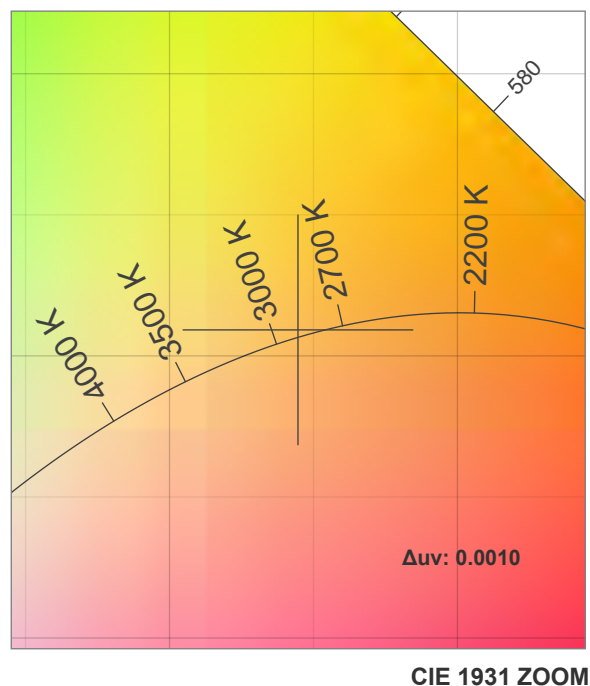
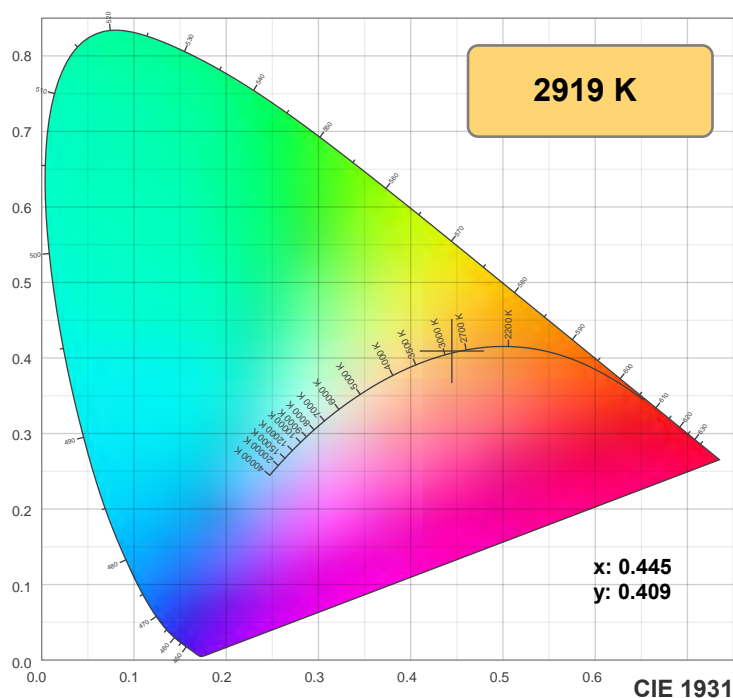


CIE 1931
x: 0.445
y: 0.409

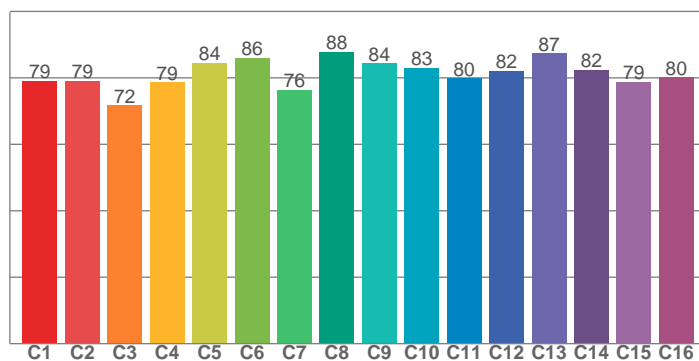
Spectra



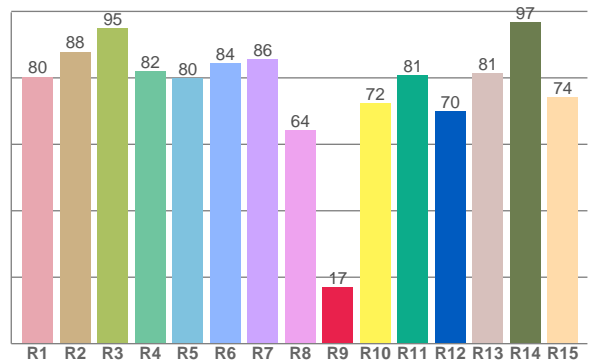
Color details



TM30: 81.1



CRI: 82.4 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 80.4 | 87.8 | 94.9 | 82.0 | 79.9 | 84.3 | 85.6 | 64.3 | 17.0 | 72.4 | 80.7 | 70.0 | 81.5 | 96.8 | 74.1 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 79.1 | 79.1 | 71.8 | 78.6 | 84.5 | 85.9 | 76.3 | 87.7 | 84.4 | 82.9 | 79.9 | 82.0 | 87.4 | 82.5 | 78.7 | 80.1 |

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 |
| 2919 K | 82.4 | 17.0 | 81.1 | 99.0 | 0.445 | 0.409 | 0.253 | 0.350 | 0.0010 |

TM30 details

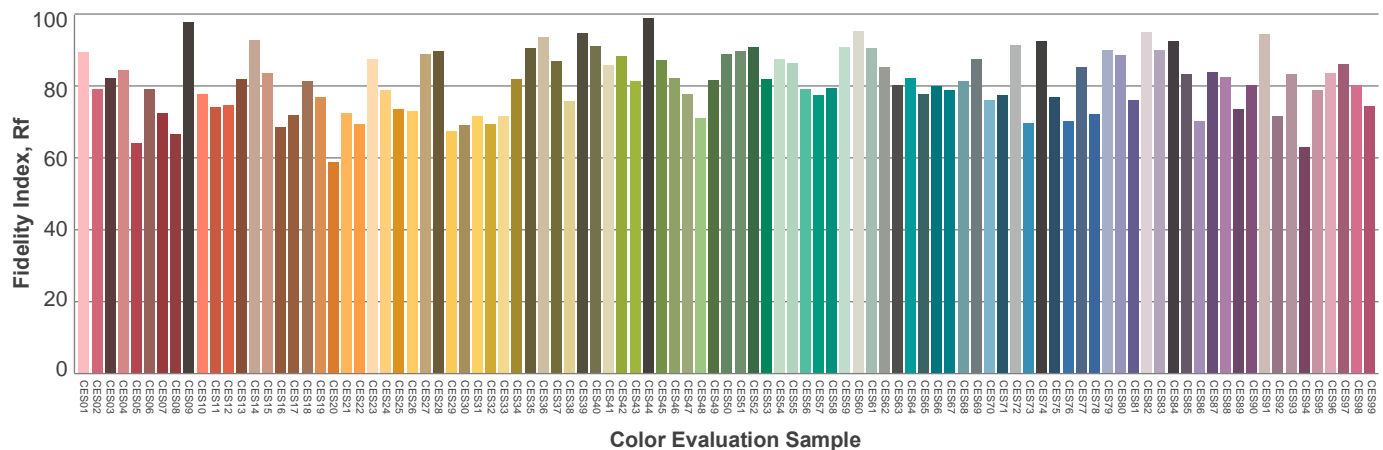
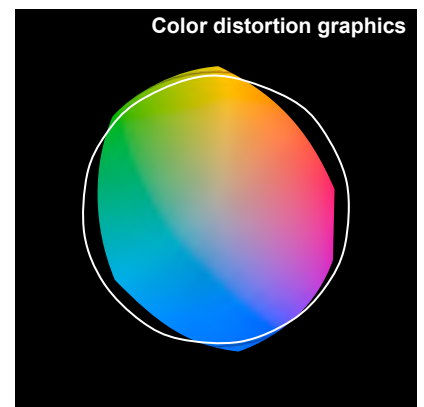
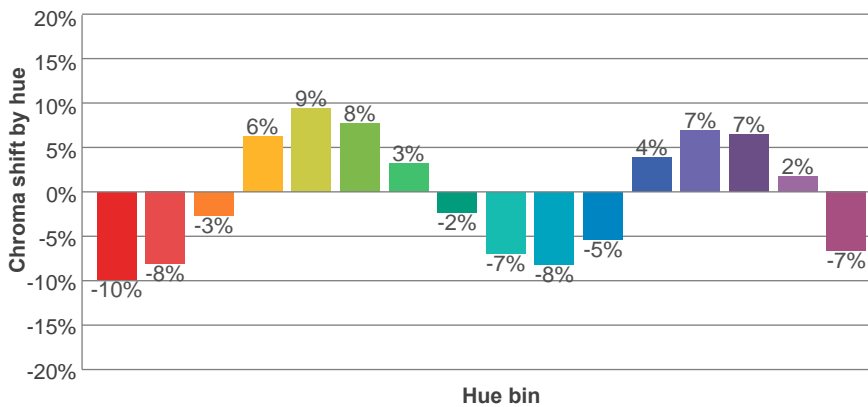
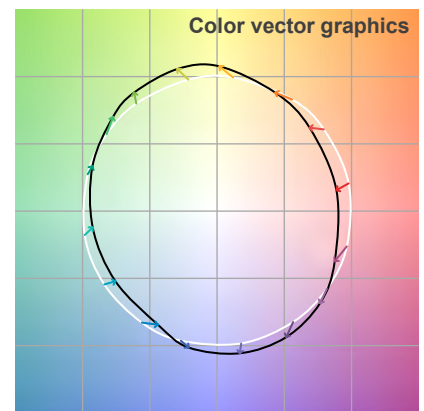
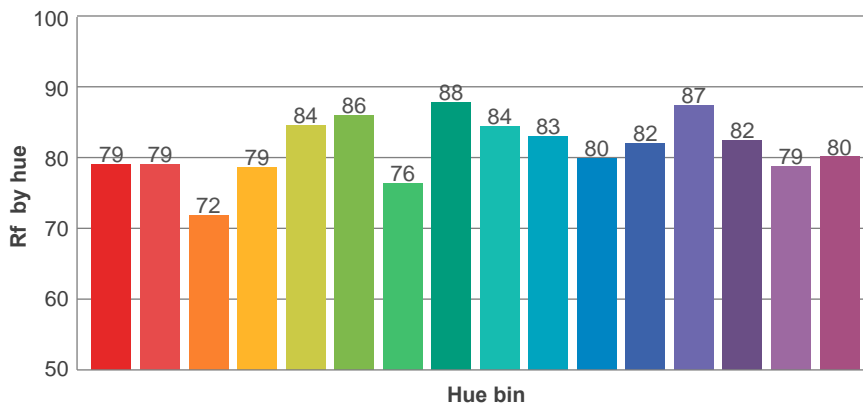
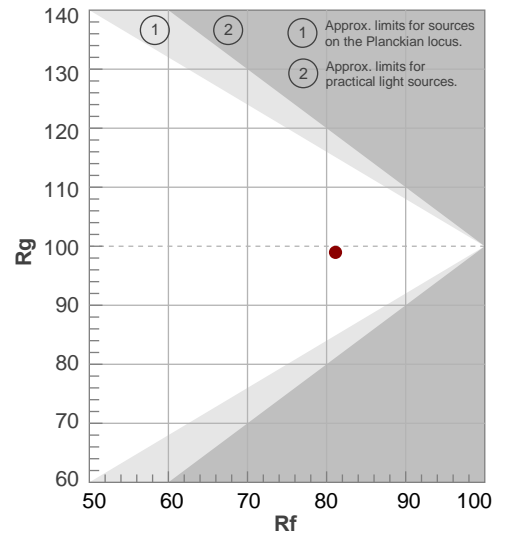
Rf 81.1

Fidelity index Rf

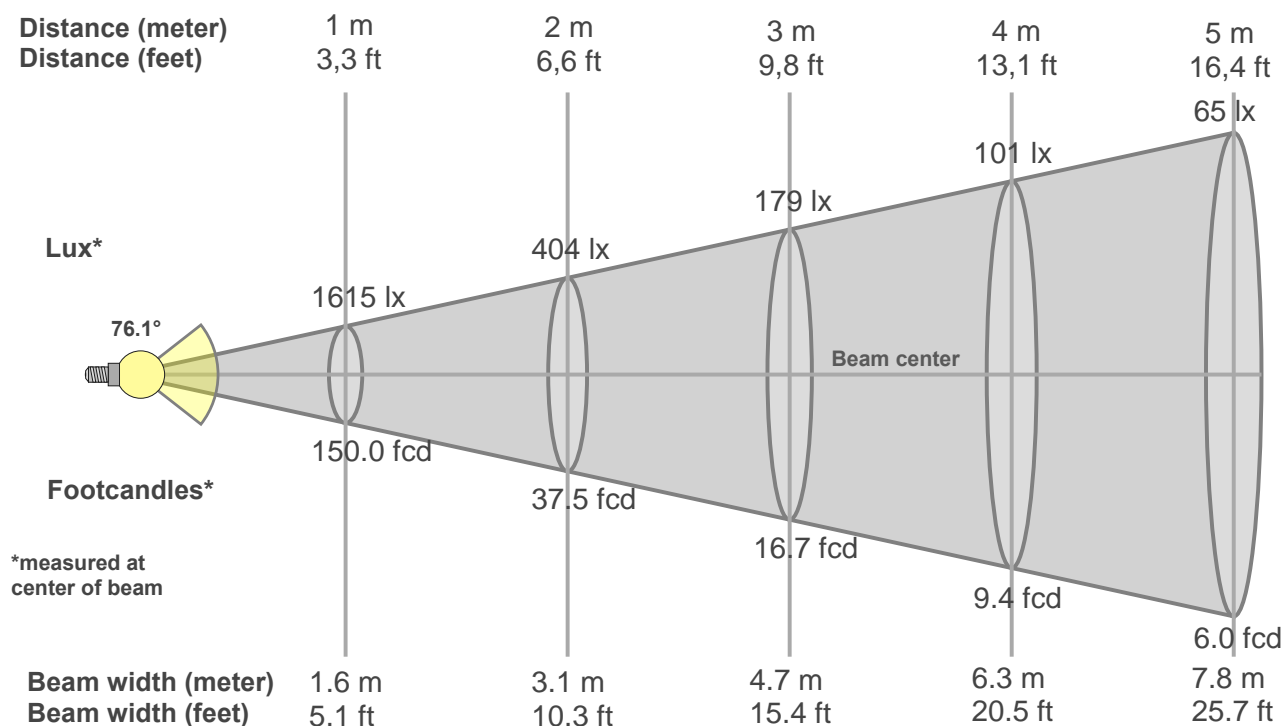
Rg 99.0

Gamut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 79 | -10% | -3% |
| 2 | 79 | -8% | 7% |
| 3 | 72 | -3% | 13% |
| 4 | 79 | 6% | 12% |
| 5 | 84 | 9% | 7% |
| 6 | 86 | 8% | -3% |
| 7 | 76 | 3% | -13% |
| 8 | 88 | -2% | -7% |
| 9 | 84 | -7% | -4% |
| 10 | 83 | -8% | 3% |
| 11 | 80 | -5% | 11% |
| 12 | 82 | 4% | 7% |
| 13 | 87 | 7% | -2% |
| 14 | 82 | 7% | -10% |
| 15 | 79 | 2% | -12% |
| 16 | 80 | -7% | -13% |



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 |
| 1615lx | 404lx | 179lx | 101lx | 65lx | 45lx | 33lx | 25lx | 20lx | 16lx | 13lx | 11lx | 10lx | 8lx | 7lx | 6lx | 6lx | 5lx | 4lx | 4lx |
| 150fcd | 37.5fcd | 16.7fcd | 9.4fcd | 6fcd | 4.2fcd | 3.1fcd | 2.3fcd | 1.9fcd | 1.5fcd | 1.2fcd | 1fcd | 0.9fcd | 0.8fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.5fcd | 0.4fcd | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1615 | 1593 | 1601 | 1626 | 1647 | 1646 | 1645 | 1643 | 1642 | 1644 | 1656 | 1668 | 1700 | 1735 | 1764 | 1784 | 1804 | 1656 | 1508 | 1325 |
| 100% | 99% | 99% | 101% | 102% | 102% | 102% | 102% | 102% | 102% | 103% | 103% | 105% | 107% | 109% | 110% | 112% | 103% | 93% | 82% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1615 | 1617 | 1641 | 1666 | 1680 | 1681 | 1682 | 1678 | 1675 | 1679 | 1689 | 1701 | 1720 | 1740 | 1759 | 1777 | 1760 | 1654 | 1548 | 1345 |
| 100% | 100% | 102% | 103% | 104% | 104% | 104% | 104% | 104% | 104% | 105% | 105% | 107% | 108% | 109% | 110% | 109% | 102% | 96% | 83% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1615 | 1622 | 1646 | 1670 | 1683 | 1688 | 1692 | 1690 | 1688 | 1692 | 1699 | 1708 | 1723 | 1737 | 1754 | 1771 | 1739 | 1636 | 1533 | 1321 |
| 100% | 100% | 102% | 103% | 104% | 105% | 105% | 105% | 105% | 105% | 105% | 106% | 107% | 108% | 109% | 110% | 108% | 101% | 95% | 82% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1615 | 1596 | 1611 | 1639 | 1658 | 1655 | 1651 | 1652 | 1653 | 1661 | 1678 | 1695 | 1724 | 1753 | 1776 | 1793 | 1792 | 1644 | 1496 | 1308 |
| 100% | 99% | 100% | 101% | 103% | 102% | 102% | 102% | 102% | 103% | 104% | 105% | 107% | 109% | 110% | 111% | 111% | 102% | 93% | 81% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 76.1° | 88.9° | 100.6° | 99.2% | 96.1% |