

Light efficiency:

79 Lumen/Watt

Light quality:

CRI: 79.6

Color temperature:

2927 K

Output: 4007 lm

Peak: 19140 cd

Power: 50.9 W

PF: 1.0



Beam angle

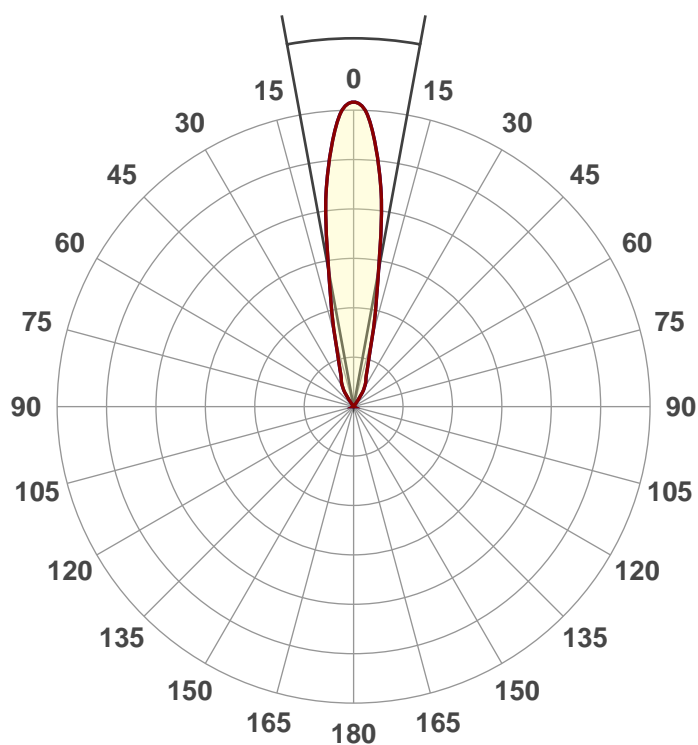
20.8°

Product name:

608RA-6-XTM19-50LM-30K-83-
SA20-UNV-DIM10-MC-S-CRO

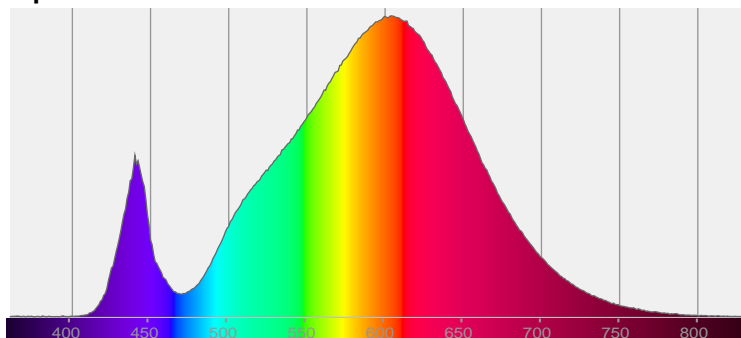
Date and time:

12/5/2017 9:21:57 AM

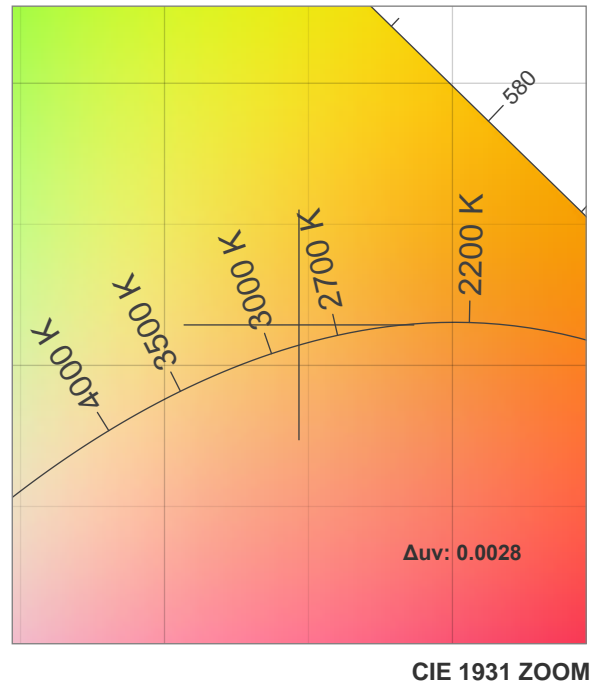
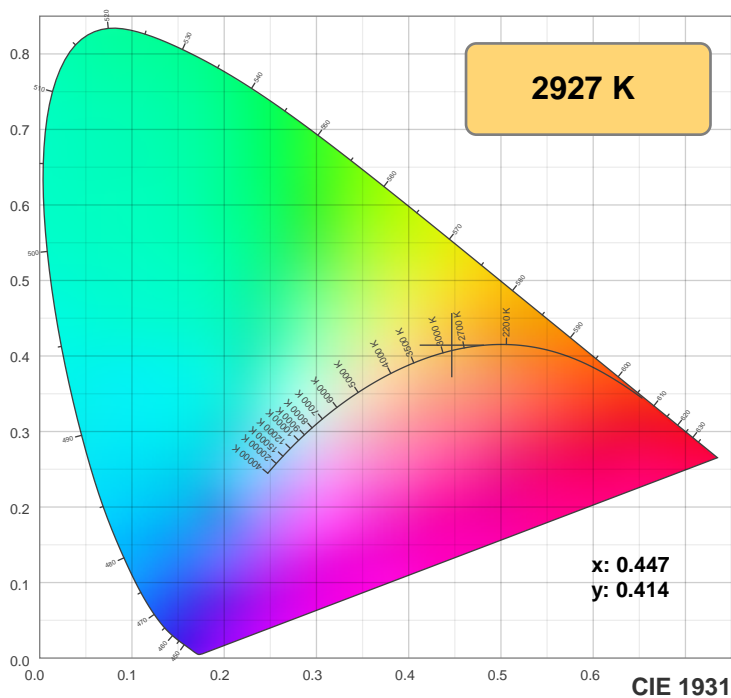


CIE 1931
x: 0.447
y: 0.414

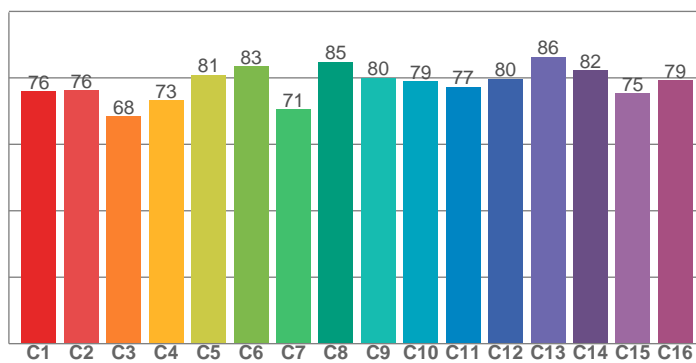
Spectra



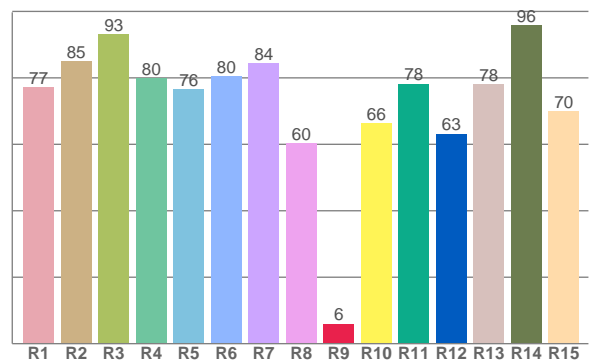
Color details



TM30: 78.0



CRI: 79.6 (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 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 77.2 | 85.1 | 93.1 | 79.8 | 76.5 | 80.4 | 84.4 | 60.4 | 6.0 | 66.3 | 78.2 | 63.2 | 78.2 | 95.7 | 70.0 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 76.0 | 76.3 | 68.3 | 73.3 | 80.8 | 83.4 | 70.5 | 84.8 | 79.9 | 79.0 | 77.2 | 79.6 | 86.3 | 82.2 | 75.3 | 79.2 |

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 |
| 2927 K | 79.6 | 6.0 | 78.0 | 98.4 | 0.447 | 0.414 | 0.252 | 0.351 | 0.0028 |

TM30 details

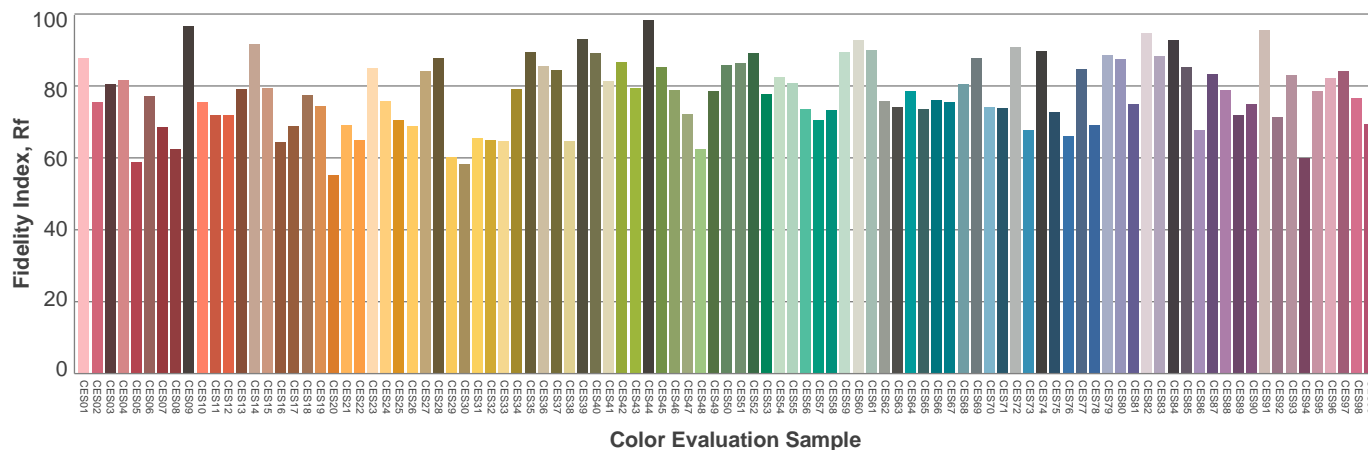
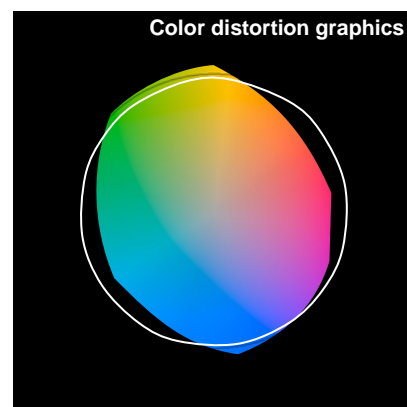
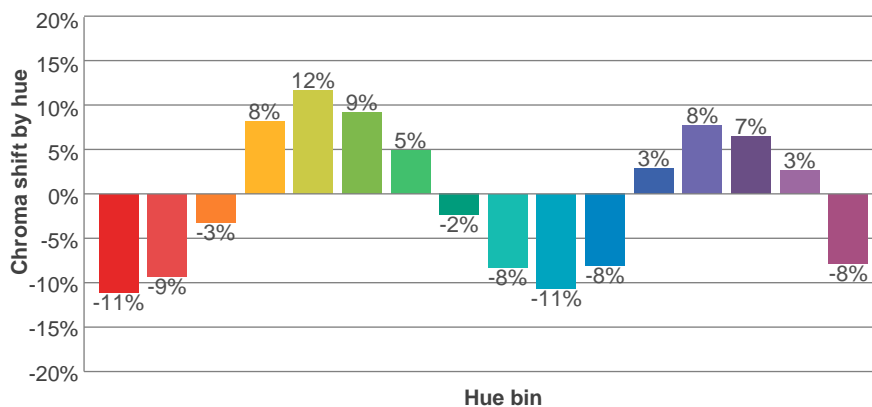
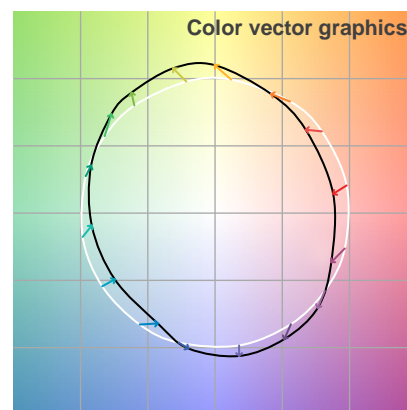
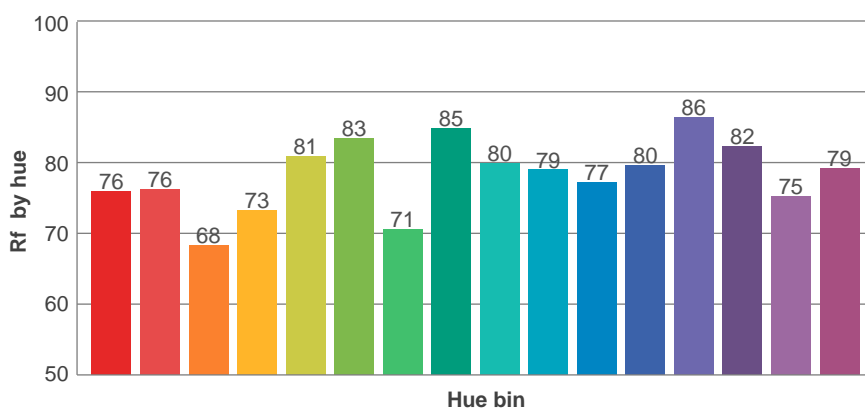
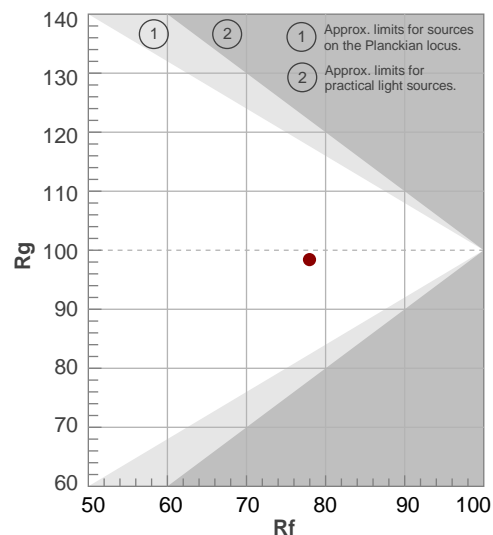
Rf 78.0

Fidelity index Rf

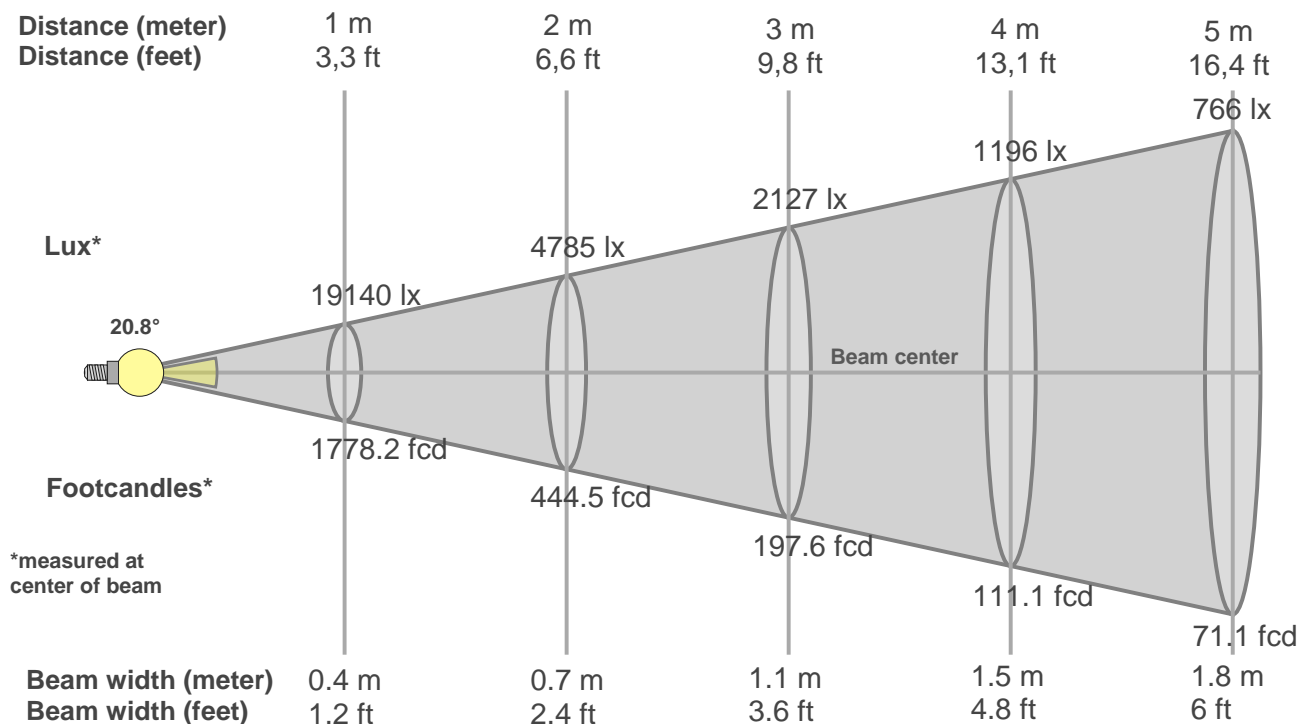
Rg 98.4

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 76 | -11% | -4% |
| 2 | 76 | -9% | 8% |
| 3 | 68 | -3% | 15% |
| 4 | 73 | 8% | 14% |
| 5 | 81 | 12% | 8% |
| 6 | 83 | 9% | -4% |
| 7 | 71 | 5% | -16% |
| 8 | 85 | -2% | -8% |
| 9 | 80 | -8% | -7% |
| 10 | 79 | -11% | 1% |
| 11 | 77 | -8% | 11% |
| 12 | 80 | 3% | 8% |
| 13 | 86 | 8% | -1% |
| 14 | 82 | 7% | -10% |
| 15 | 75 | 3% | -13% |
| 16 | 79 | -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 |
| 19140lx | 4785lx | 2127lx | 1196lx | 766lx | 532lx | 391lx | 299lx | 236lx | 191lx | 158lx | 133lx | 113lx | 98lx | 85lx | 75lx | 66lx | 59lx | 53lx | 48lx |
| 1778.2fcd | 444.5fcd | 197.6fcd | 111.1fcd | 71.1fcd | 49.4fcd | 36.3fcd | 27.8fcd | 22fcd | 17.8fcd | 14.7fcd | 12.3fcd | 10.5fcd | 9.1fcd | 7.9fcd | 6.9fcd | 6.2fcd | 5.5fcd | 4.9fcd | 4.4fcd |

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° |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 19.1K | 19.1K | 17.5K | 15.4K | 13.0K | 10.2K | 7.3K | 5.7K | 4.3K | 3.2K | 2.7K | 2.2K | 2.0K | 1.8K | 1.6K | 1.3K | 1.1K | 0.7K | 0.3K | 0.1K |
| 100% | 100% | 91% | 80% | 68% | 53% | 38% | 30% | 22% | 17% | 14% | 12% | 10% | 9% | 8% | 7% | 6% | 3% | 1% | 0% |

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° |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 19.1K | 19.1K | 17.5K | 15.4K | 13.0K | 10.2K | 7.3K | 5.7K | 4.3K | 3.2K | 2.7K | 2.2K | 2.0K | 1.8K | 1.6K | 1.3K | 1.1K | 0.7K | 0.3K | 0.1K |
| 100% | 100% | 91% | 80% | 68% | 53% | 38% | 30% | 22% | 17% | 14% | 12% | 10% | 9% | 8% | 7% | 6% | 3% | 1% | 0% |

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° |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 19.1K | 19.1K | 17.5K | 15.4K | 13.0K | 10.2K | 7.3K | 5.7K | 4.3K | 3.2K | 2.7K | 2.2K | 2.0K | 1.8K | 1.6K | 1.3K | 1.1K | 0.7K | 0.3K | 0.1K |
| 100% | 100% | 91% | 80% | 68% | 53% | 38% | 30% | 22% | 17% | 14% | 12% | 10% | 9% | 8% | 7% | 6% | 3% | 1% | 0% |

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° |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 19.1K | 19.1K | 17.5K | 15.4K | 13.0K | 10.2K | 7.3K | 5.7K | 4.3K | 3.2K | 2.7K | 2.2K | 2.0K | 1.8K | 1.6K | 1.3K | 1.1K | 0.7K | 0.3K | 0.1K |
| 100% | 100% | 91% | 80% | 68% | 53% | 38% | 30% | 22% | 17% | 14% | 12% | 10% | 9% | 8% | 7% | 6% | 3% | 1% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 20.8° | 49.7° | 69.9° | 99.0% | 98.5% |