

Light efficiency:

98 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

3006 K

Output: 10802 lm

Peak: 25605 cd

Power: 110 W

PF: 1.0



Beam angle

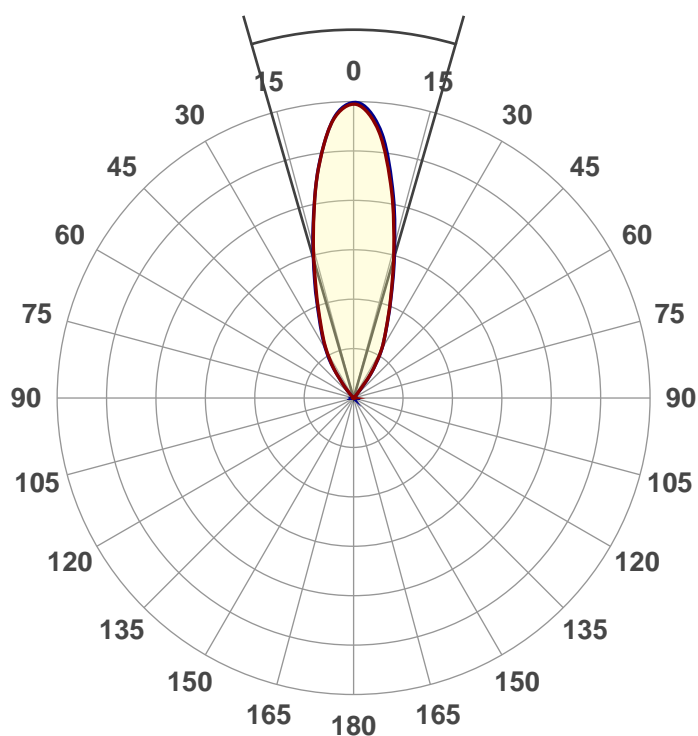
32.2°

Product name:

608XK-9-CXB-110LM-30K-80-SA30-10V-MC-S

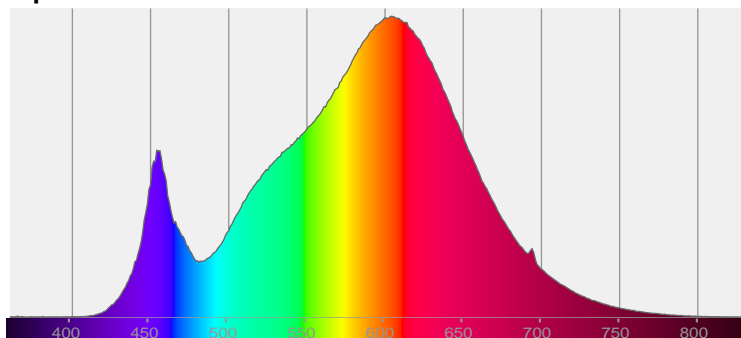
Date and time:

1/3/2018 8:39:01 AM

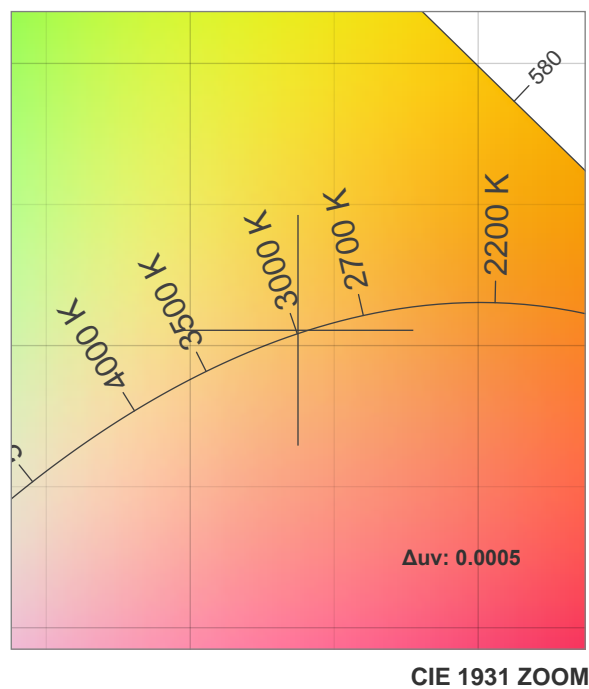
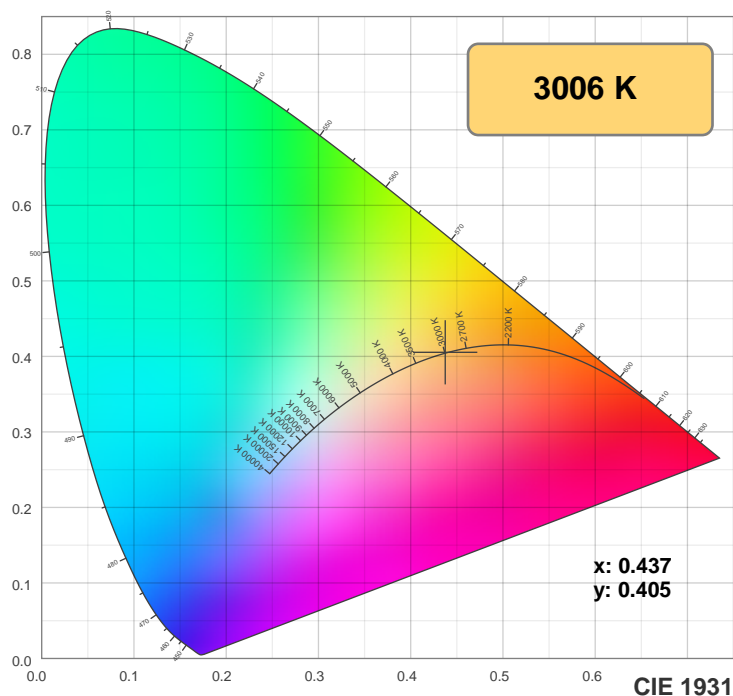


CIE 1931
x: 0.437
y: 0.405

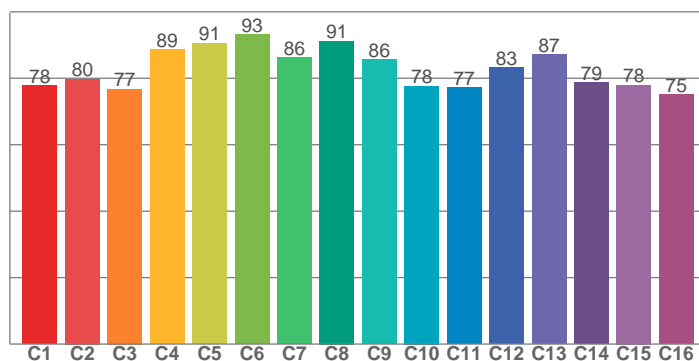
Spectra



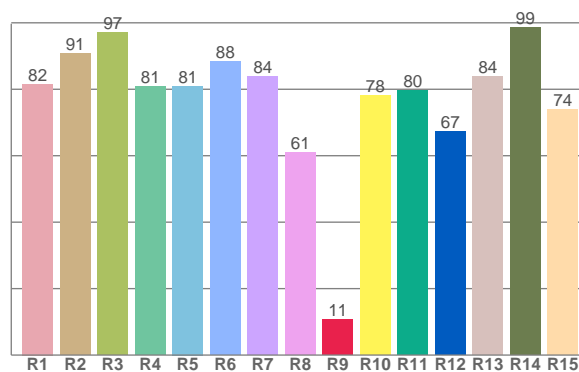
Color details



TM30: 82.8



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81.6 | 90.9 | 97.0 | 80.9 | 81.0 | 88.4 | 83.8 | 60.9 | 10.6 | 78.2 | 79.5 | 67.4 | 83.9 | 98.7 | 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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.8 | 79.8 | 76.8 | 88.6 | 90.6 | 93.2 | 86.2 | 91.2 | 85.6 | 77.7 | 77.3 | 83.2 | 87.2 | 78.6 | 78.0 | 75.1 |

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 |
| 3006 K | 83.0 | 10.6 | 82.8 | 95.4 | 0.437 | 0.405 | 0.250 | 0.348 | 0.0005 |

TM30 details

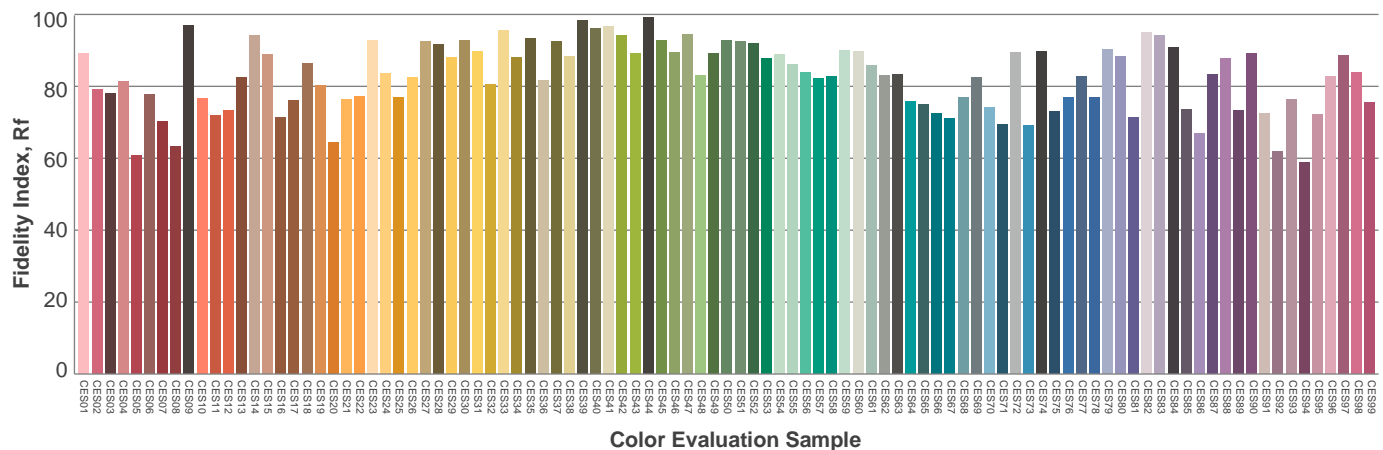
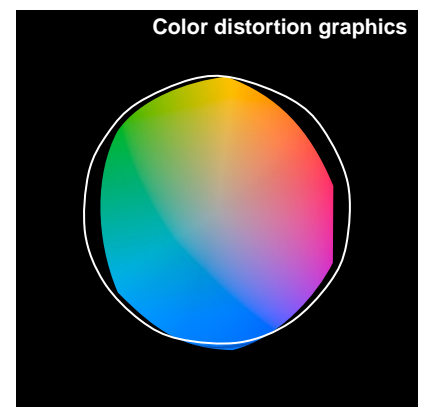
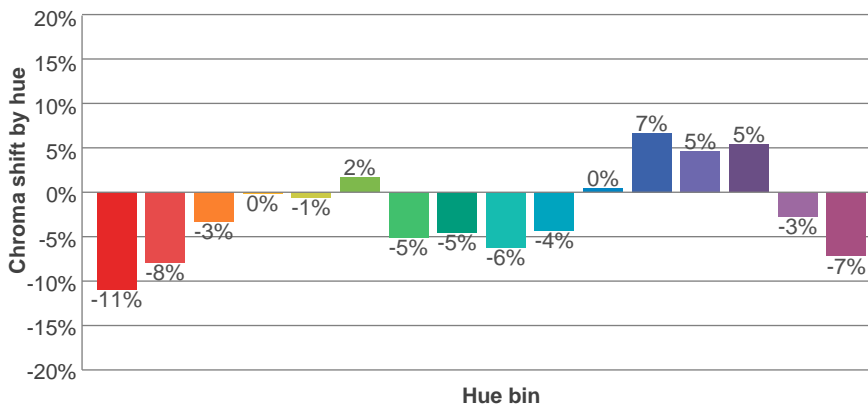
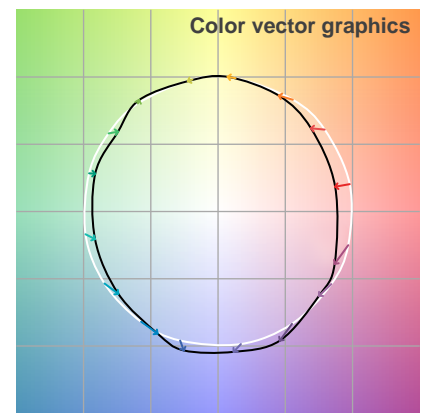
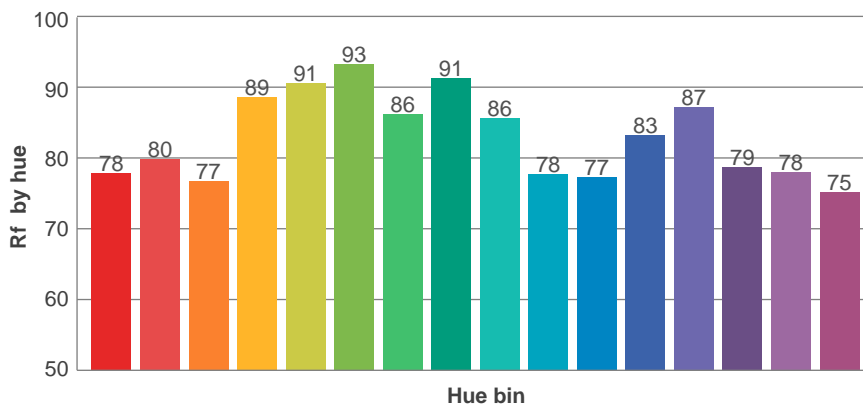
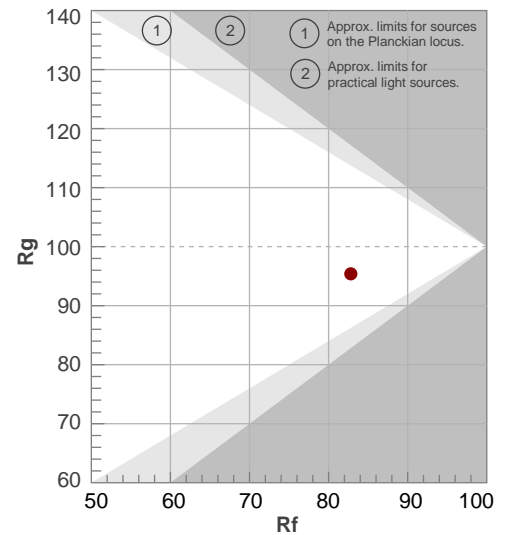
Rf 82.8

Fidelity index Rf

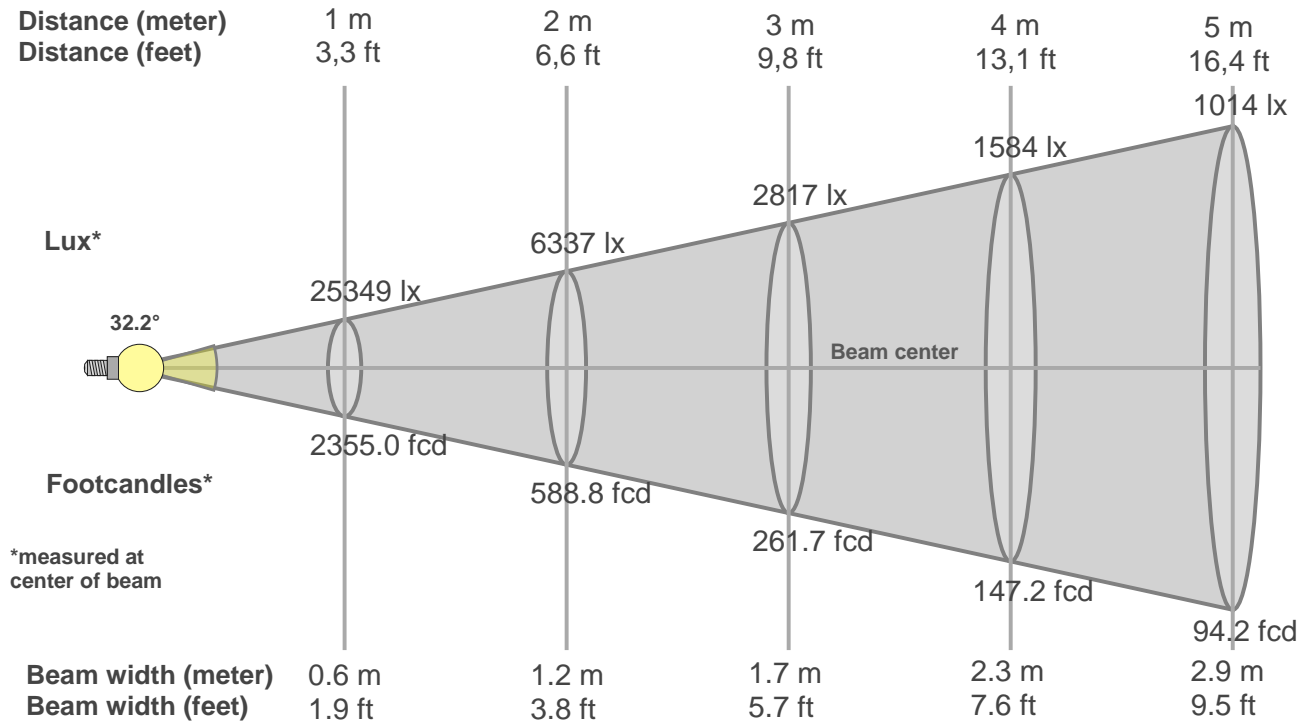
Rg 95.4

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 78 | -11% | 0% |
| 2 | 80 | -8% | 6% |
| 3 | 77 | -3% | 10% |
| 4 | 89 | 0% | 6% |
| 5 | 91 | -1% | 4% |
| 6 | 93 | 2% | -2% |
| 7 | 86 | -5% | -5% |
| 8 | 91 | -5% | -1% |
| 9 | 86 | -6% | 5% |
| 10 | 78 | -4% | 12% |
| 11 | 77 | 0% | 15% |
| 12 | 83 | 7% | 4% |
| 13 | 87 | 5% | -6% |
| 14 | 79 | 5% | -14% |
| 15 | 78 | -3% | -12% |
| 16 | 75 | -7% | -16% |



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 |
| 25349lx | 6337lx | 2817lx | 1584lx | 1014lx | 704lx | 517lx | 396lx | 313lx | 253lx | 209lx | 176lx | 150lx | 129lx | 113lx | 99lx | 88lx | 78lx | 70lx | 63lx |
| 2355fcd | 588.8fcd | 261.7fcd | 147.2fcd | 94.2fcd | 65.4fcd | 48.1fcd | 36.8fcd | 29.1fcd | 23.6fcd | 19.5fcd | 16.4fcd | 13.9fcd | 12fcd | 10.5fcd | 9.2fcd | 8.1fcd | 7.3fcd | 6.5fcd | 5.9fcd |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 25.3K | 24.8K | 24.2K | 22.6K | 20.8K | 18.8K | 16.7K | 14.5K | 12.7K | 10.9K | 9.4K | 8.2K | 7.0K | 6.2K | 5.4K | 4.6K | 3.8K | 3.0K | 2.3K | 1.5K |
| 100% | 98% | 96% | 89% | 82% | 74% | 66% | 57% | 50% | 43% | 37% | 32% | 28% | 25% | 21% | 18% | 15% | 12% | 9% | 6% |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 25.3K | 25.0K | 24.3K | 22.6K | 20.9K | 18.8K | 16.7K | 14.7K | 12.9K | 11.1K | 9.7K | 8.4K | 7.3K | 6.4K | 5.6K | 4.8K | 4.0K | 3.2K | 2.2K | 1.3K |
| 100% | 98% | 96% | 89% | 82% | 74% | 66% | 58% | 51% | 44% | 38% | 33% | 29% | 25% | 22% | 19% | 16% | 12% | 9% | 5% |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 25.3K | 24.8K | 23.9K | 22.7K | 20.7K | 18.7K | 16.6K | 14.6K | 12.7K | 11.1K | 9.5K | 8.4K | 7.3K | 6.3K | 5.6K | 4.8K | 4.0K | 3.1K | 2.2K | 1.3K |
| 100% | 98% | 94% | 90% | 82% | 74% | 66% | 58% | 50% | 44% | 38% | 33% | 29% | 25% | 22% | 19% | 16% | 12% | 9% | 5% |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 25.3K | 25.2K | 24.2K | 23.1K | 21.2K | 19.1K | 17.0K | 14.9K | 12.9K | 11.3K | 9.7K | 8.4K | 7.4K | 6.3K | 5.6K | 4.9K | 4.0K | 3.2K | 2.3K | 1.5K |
| 100% | 100% | 95% | 91% | 83% | 75% | 67% | 59% | 51% | 45% | 38% | 33% | 29% | 25% | 22% | 19% | 16% | 13% | 9% | 6% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 32.2° | 70.7° | 80.8° | 99.8% | 99.7% |