

Light efficiency:

95 Lumen/Watt

Light quality:

CRI: 82.9

Color temperature:

3016 K

Output: 12670 lm

Peak: 41065 cd

Power: 134 W

PF: 1.0



Beam angle

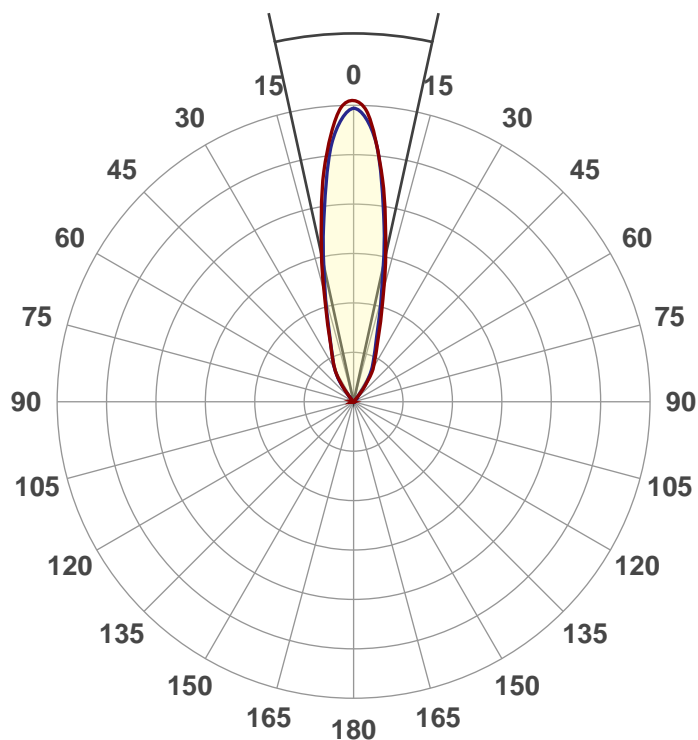
24.7°

Product name:

608XK-9-CXB-130LM-30K-80-
SA20-10V-MC-S

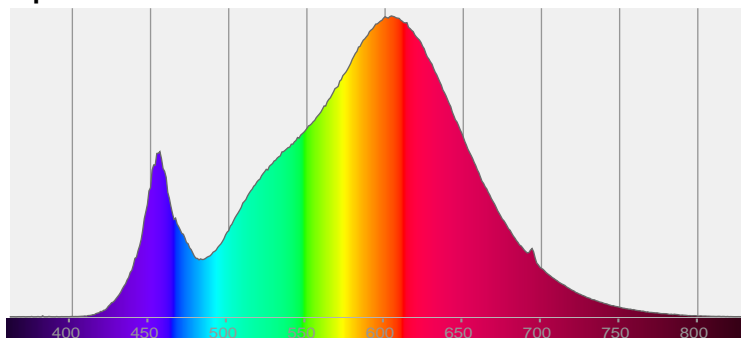
Date and time:

12/14/2017 11:17:55 AM

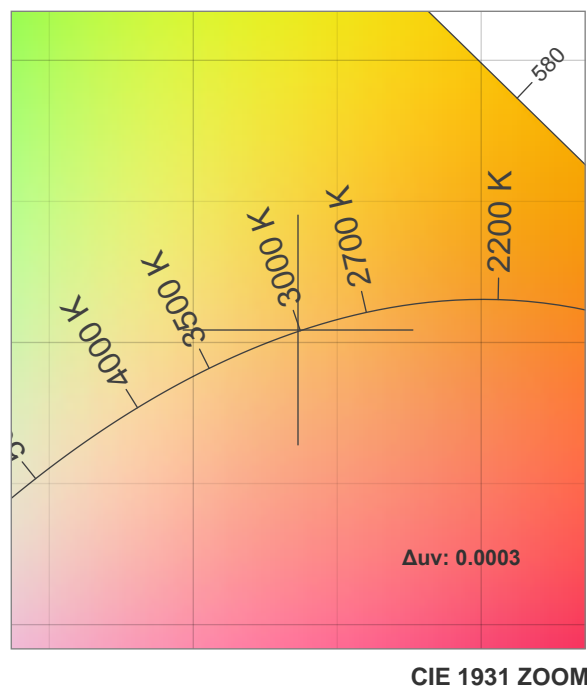
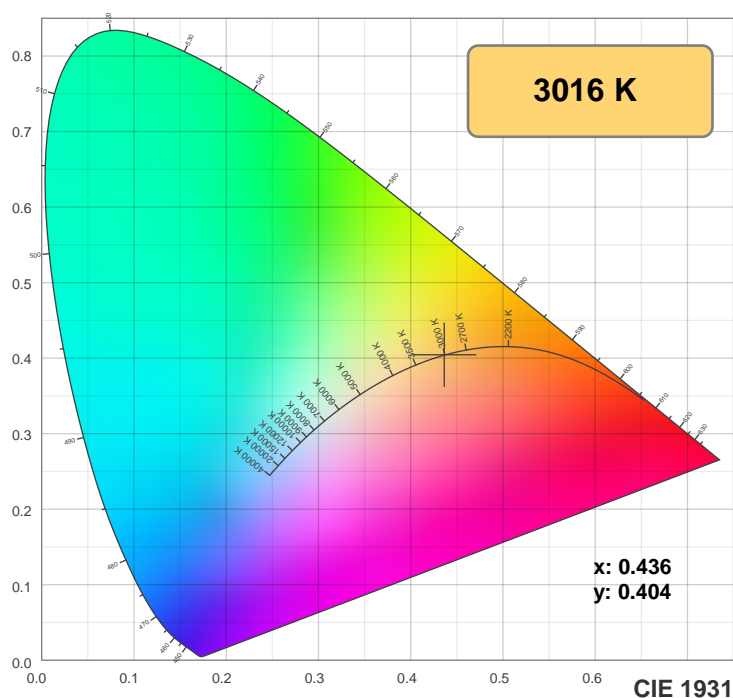


CIE 1931
x: 0.436
y: 0.404

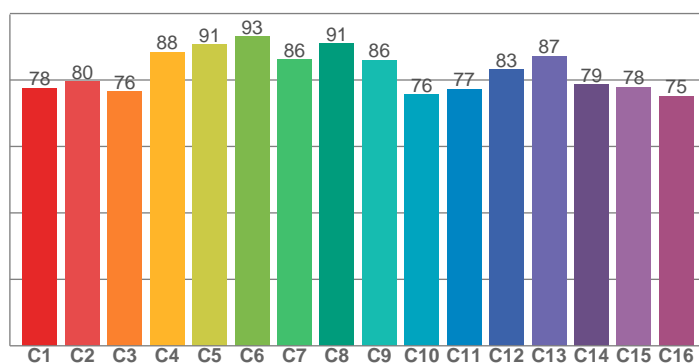
Spectra



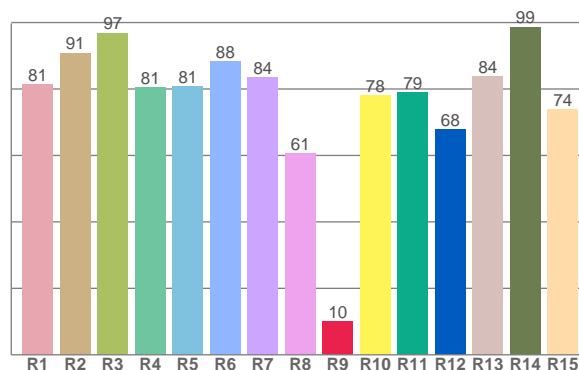
Color details



TM30: 82.7



CRI: 82.9 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81.4 | 90.9 | 96.9 | 80.6 | 80.9 | 88.4 | 83.6 | 60.6 | 10.0 | 78.2 | 79.1 | 67.9 | 83.8 | 98.7 | 73.9 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.6 | 79.5 | 76.4 | 88.4 | 90.7 | 93.1 | 86.1 | 91.0 | 86.1 | 75.6 | 77.2 | 83.3 | 87.2 | 78.7 | 77.9 | 75.2 |

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 |
| 3016 K | 82.9 | 10.0 | 82.7 | 95.3 | 0.436 | 0.404 | 0.250 | 0.348 | 0.0003 |

TM30 details

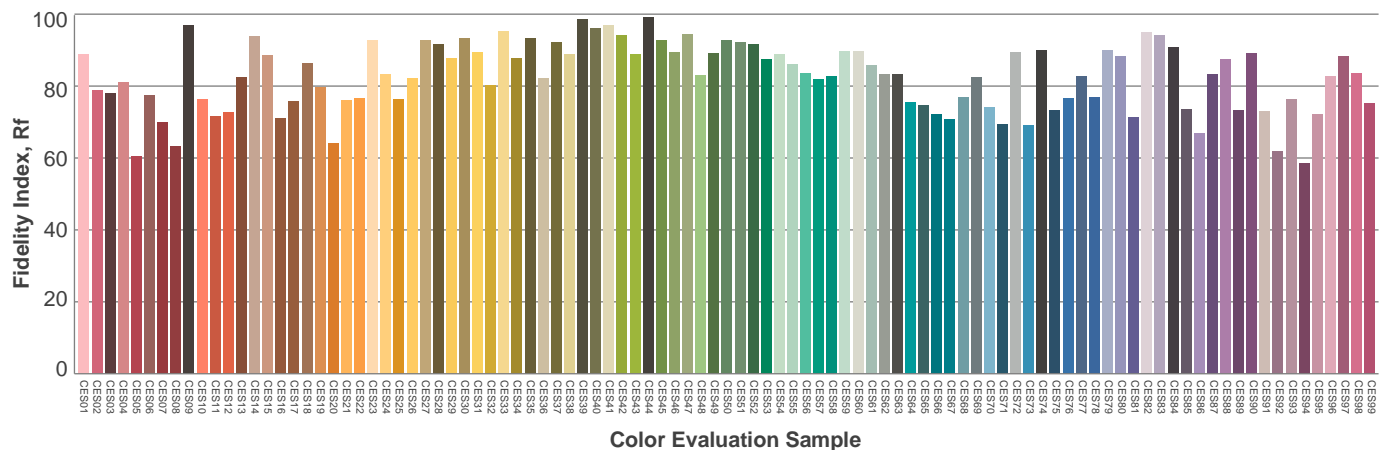
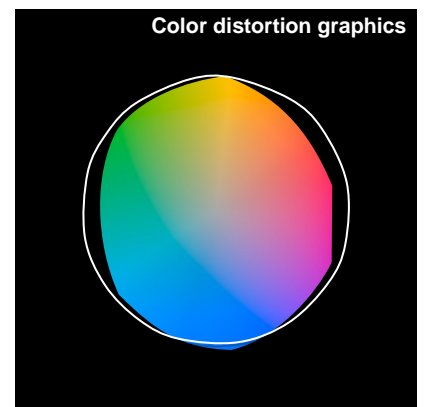
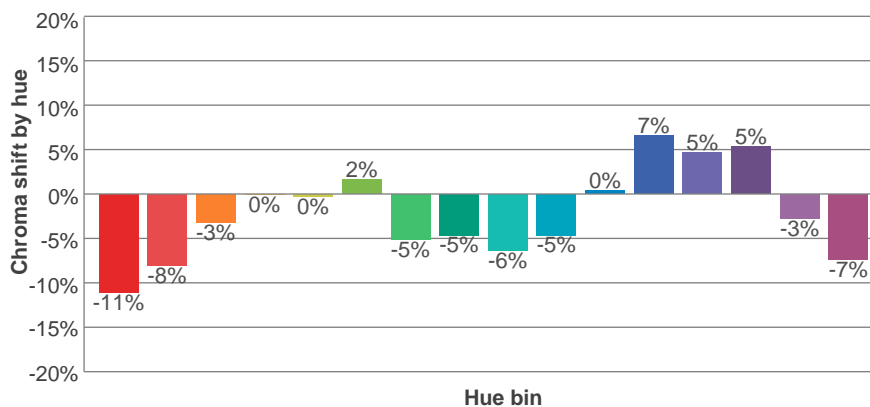
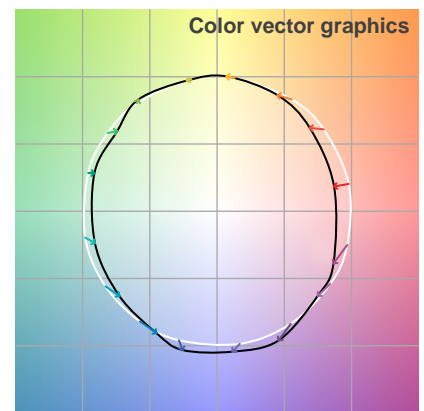
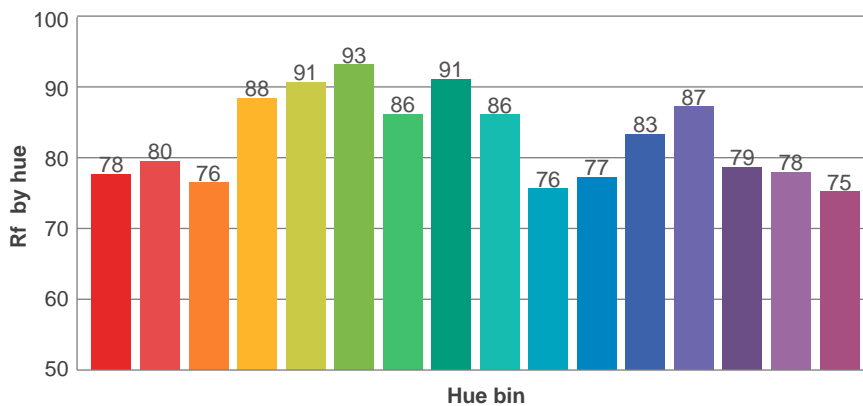
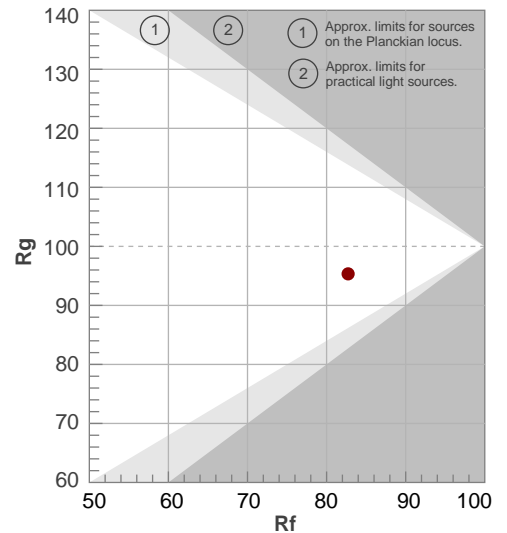
Rf 82.7

Fidelity index Rf

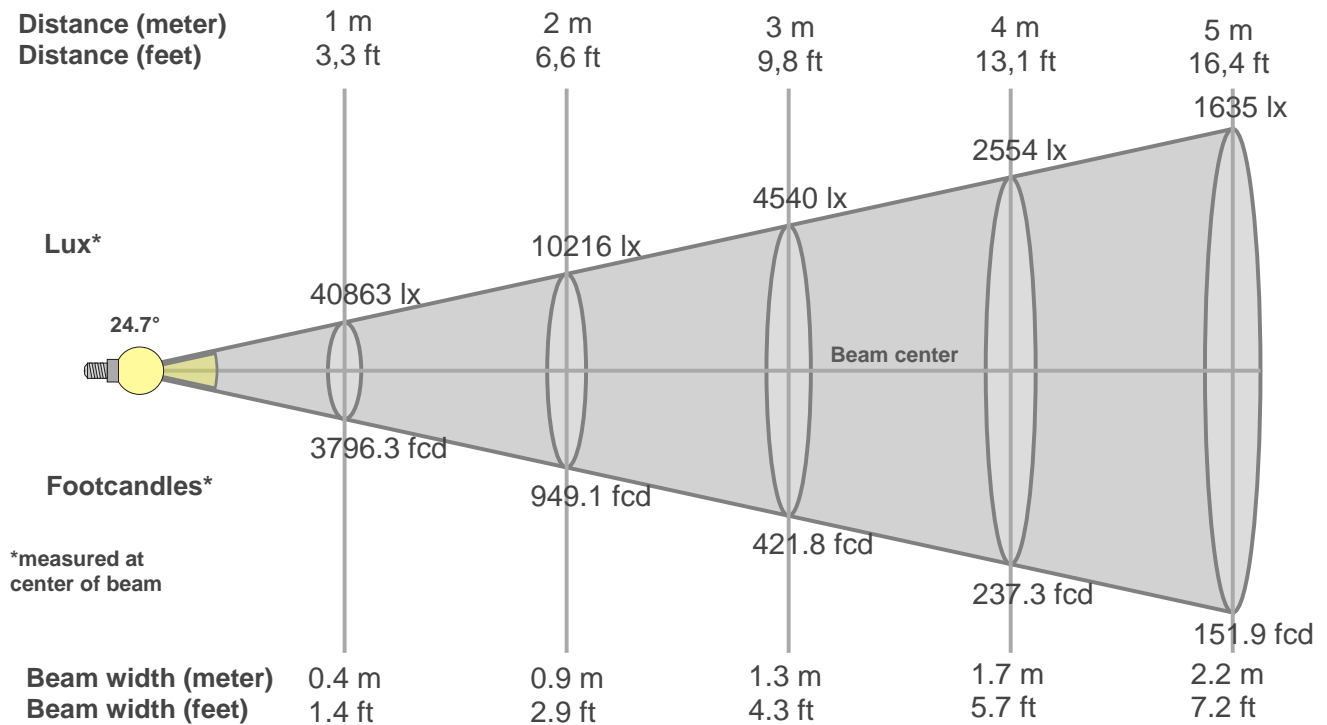
Rg 95.3

Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 78 | -11% | 0% |
| 2 | 80 | -8% | 7% |
| 3 | 76 | -3% | 11% |
| 4 | 88 | 0% | 6% |
| 5 | 91 | 0% | 4% |
| 6 | 93 | 2% | -2% |
| 7 | 86 | -5% | -5% |
| 8 | 91 | -5% | -1% |
| 9 | 86 | -6% | 6% |
| 10 | 76 | -5% | 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 |
| 40863lx | 10216lx | 4540lx | 2554lx | 1635lx | 1135lx | 834lx | 638lx | 504lx | 409lx | 338lx | 284lx | 242lx | 208lx | 182lx | 160lx | 141lx | 126lx | 113lx | 102lx |
| 3796.3fcd | 949.1fcd | 421.8fcd | 237.3fcd | 151.9fcd | 105.5fcd | 77.5fcd | 59.3fcd | 46.9fcd | 38fcd | 31.4fcd | 26.4fcd | 22.5fcd | 19.4fcd | 16.9fcd | 14.8fcd | 13.1fcd | 11.7fcd | 10.5fcd | 9.5fcd |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 40.9K | 41.0K | 38.3K | 34.8K | 30.9K | 26.3K | 21.7K | 18.1K | 14.8K | 12.1K | 10.3K | 8.5K | 7.6K | 6.7K | 5.9K | 5.2K | 4.4K | 3.4K | 2.4K | 1.6K |
| 100% | 100% | 94% | 85% | 76% | 64% | 53% | 44% | 36% | 30% | 25% | 21% | 19% | 16% | 14% | 13% | 11% | 8% | 6% | 4% |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 40.9K | 38.9K | 36.9K | 33.4K | 28.8K | 24.3K | 20.6K | 16.9K | 14.1K | 11.8K | 9.8K | 8.6K | 7.4K | 6.6K | 5.9K | 5.2K | 4.4K | 3.6K | 2.7K | 1.7K |
| 100% | 95% | 90% | 82% | 71% | 59% | 50% | 41% | 35% | 29% | 24% | 21% | 18% | 16% | 15% | 13% | 11% | 9% | 7% | 4% |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 40.9K | 40.7K | 37.8K | 33.9K | 30.0K | 25.8K | 21.6K | 18.3K | 15.2K | 12.5K | 10.7K | 9.0K | 7.9K | 7.0K | 6.1K | 5.5K | 4.8K | 3.7K | 2.6K | 1.7K |
| 100% | 100% | 92% | 83% | 73% | 63% | 53% | 45% | 37% | 31% | 26% | 22% | 19% | 17% | 15% | 13% | 12% | 9% | 6% | 4% |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 40.9K | 39.0K | 37.1K | 33.8K | 29.2K | 24.6K | 20.6K | 16.6K | 13.7K | 11.4K | 9.3K | 8.2K | 7.1K | 6.3K | 5.6K | 4.8K | 3.9K | 3.1K | 2.2K | 1.3K |
| 100% | 96% | 91% | 83% | 71% | 60% | 50% | 41% | 34% | 28% | 23% | 20% | 17% | 15% | 14% | 12% | 10% | 8% | 5% | 3% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 24.7° | 65.2° | 78.5° | 99.8% | 99.6% |