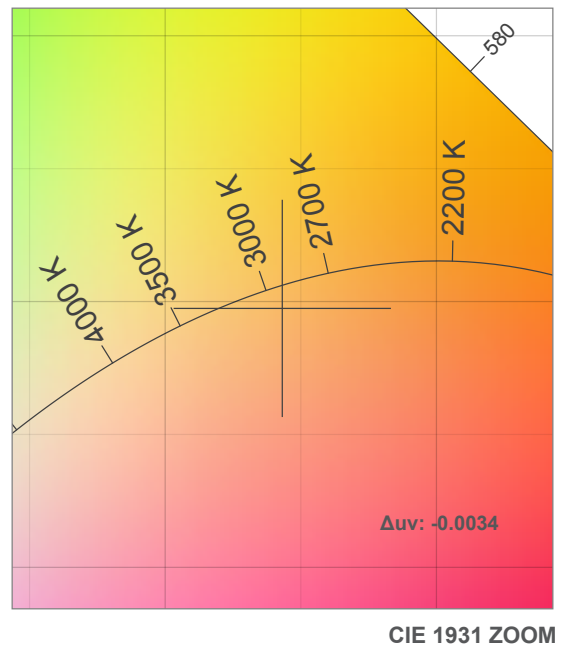
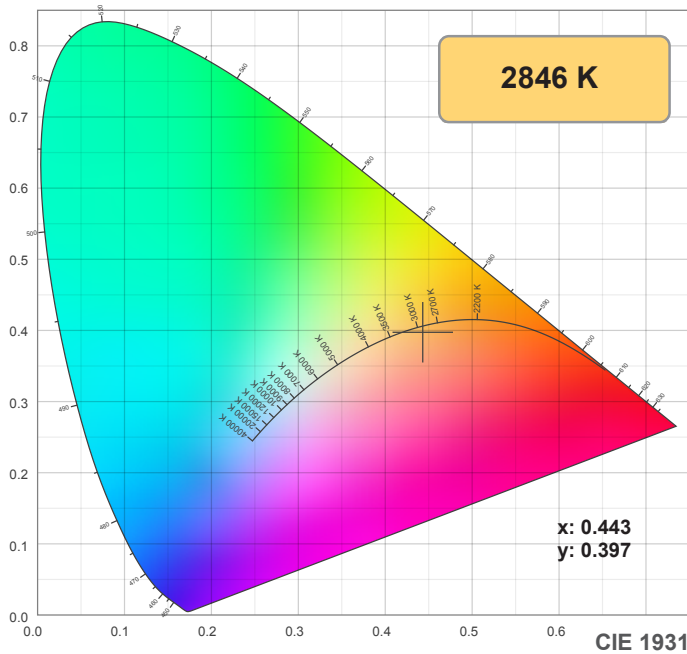
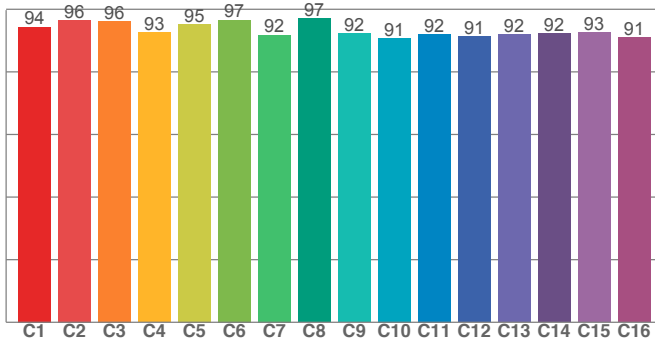


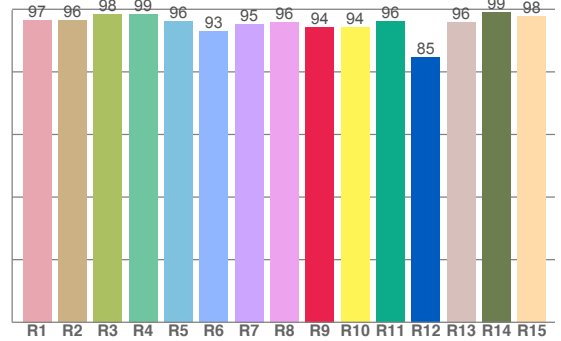
20%



TM30: 93.5



CRI: 96.3 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96.6 | 96.4 | 98.4 | 98.5 | 96.3 | 92.9 | 95.3 | 95.9 | 94.3 | 94.3 | 96.1 | 84.7 | 96.0 | 99.1 | 97.9 |

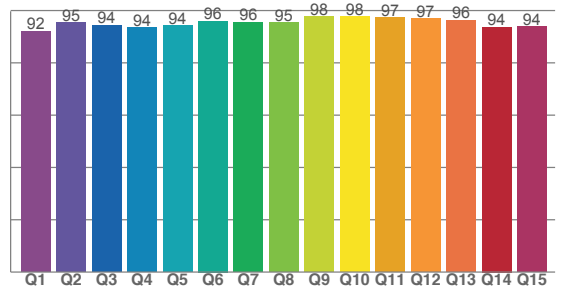
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94.4 | 96.5 | 96.2 | 92.6 | 95.3 | 96.6 | 91.9 | 97.0 | 92.2 | 90.8 | 92.0 | 91.3 | 91.9 | 92.3 | 92.6 | 91.0 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.1 | 95.4 | 94.5 | 93.6 | 94.2 | 96.0 | 95.5 | 95.5 | 97.6 | 97.6 | 97.2 | 96.8 | 96.3 | 93.7 | 93.9 |

CQS: 94.9



Color parameters

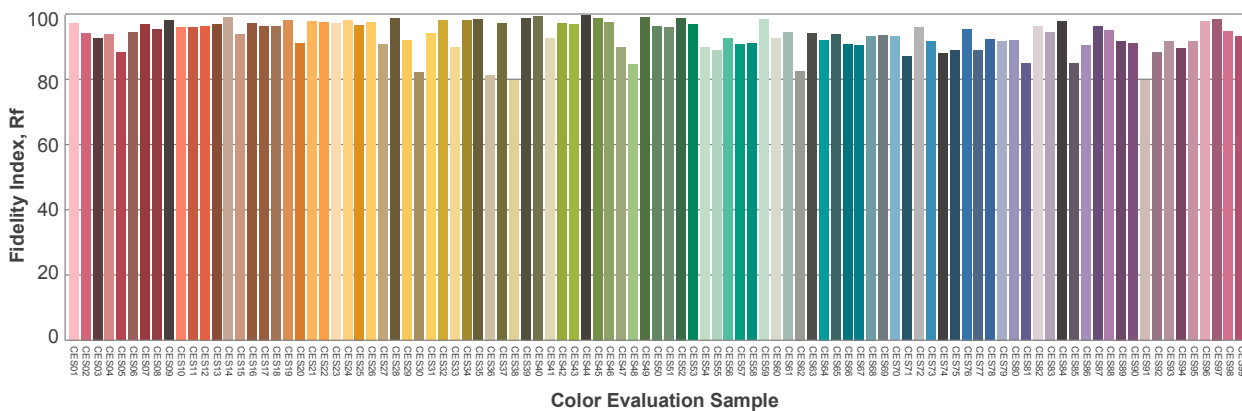
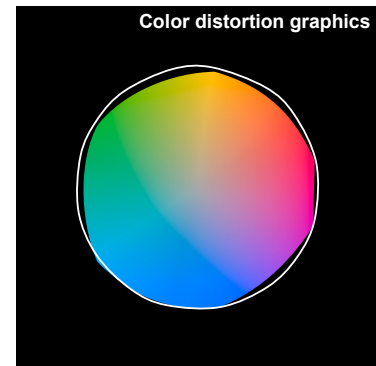
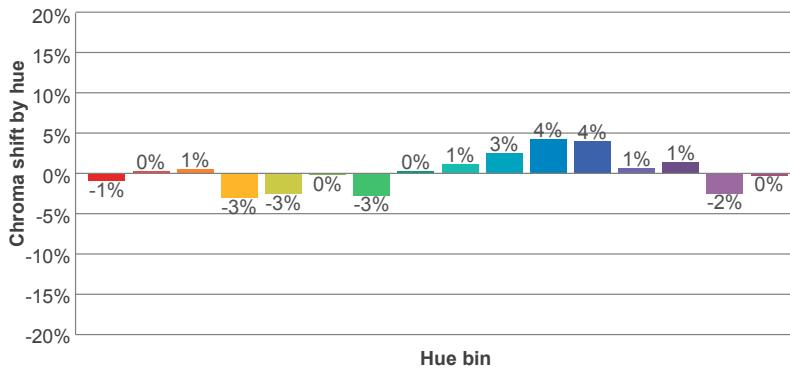
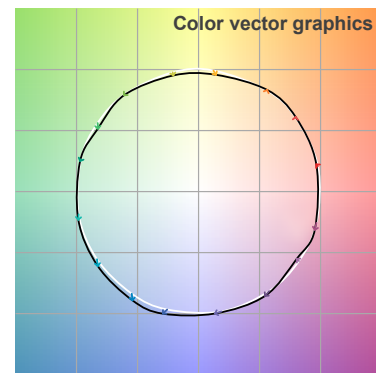
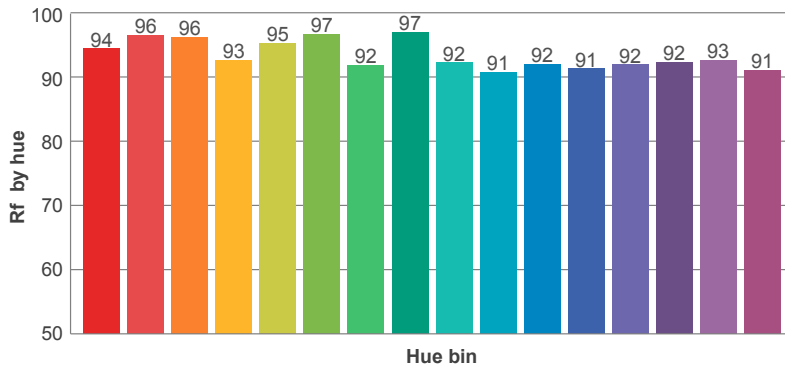
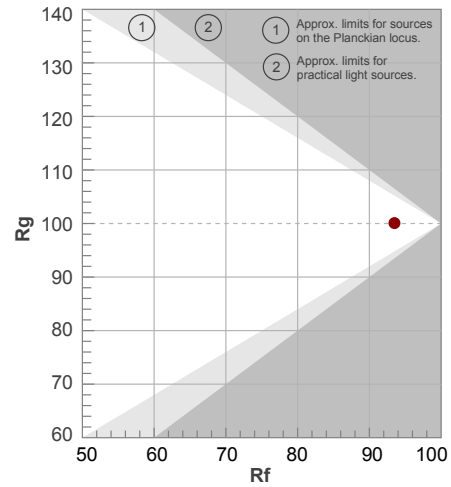
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 2846 K | 96.3 | 94.3 | 93.5 | 100.1 | 94.9 | 0.443 | 0.397 | 0.258 | 0.346 | -0.0034 |

20%

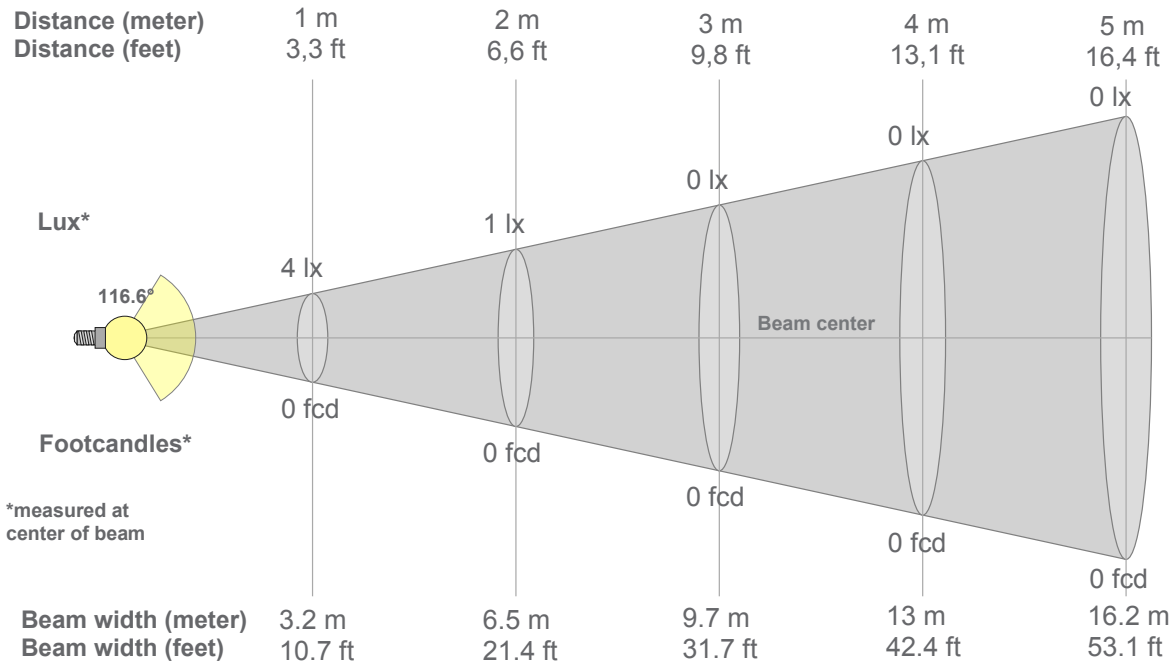
Rf 93.5
Fidelity index Rf

Rg 100.1
Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 94 | -1% | 2% |
| 2 | 96 | 0% | 0% |
| 3 | 96 | 1% | 0% |
| 4 | 93 | -3% | -3% |
| 5 | 95 | -3% | 0% |
| 6 | 97 | 0% | 1% |
| 7 | 92 | -3% | 4% |
| 8 | 97 | 0% | 2% |
| 9 | 92 | 1% | 4% |
| 10 | 91 | 3% | 5% |
| 11 | 92 | 4% | 3% |
| 12 | 91 | 4% | -3% |
| 13 | 92 | 1% | -6% |
| 14 | 92 | 1% | -5% |
| 15 | 93 | -2% | 0% |
| 16 | 91 | 0% | -6% |



20%



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 |
| 4lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 0.4fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4.08 | 4.03 | 4.06 | 3.98 | 3.86 | 3.67 | 3.50 | 3.35 | 3.12 | 2.88 | 2.58 | 2.26 | 1.94 | 1.59 | 1.24 | 0.88 | 0.54 | 0.22 | 0.14 | 0.11 |
| 100% | 99% | 99% | 98% | 94% | 90% | 86% | 82% | 76% | 70% | 63% | 55% | 47% | 39% | 30% | 22% | 13% | 5% | 3% | 3% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4.08 | 4.03 | 4.06 | 3.98 | 3.86 | 3.67 | 3.50 | 3.35 | 3.12 | 2.88 | 2.58 | 2.26 | 1.94 | 1.59 | 1.24 | 0.88 | 0.54 | 0.22 | 0.14 | 0.11 |
| 100% | 99% | 99% | 98% | 94% | 90% | 86% | 82% | 76% | 70% | 63% | 55% | 47% | 39% | 30% | 22% | 13% | 5% | 3% | 3% |

Intensities in 180° c-plane

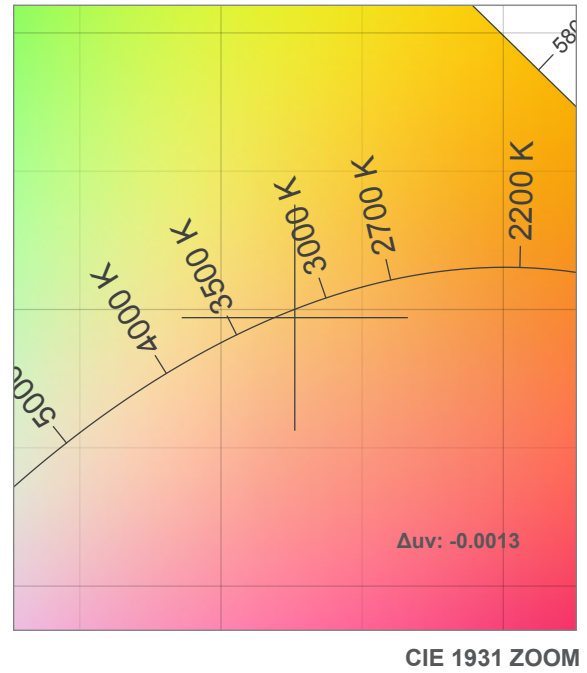
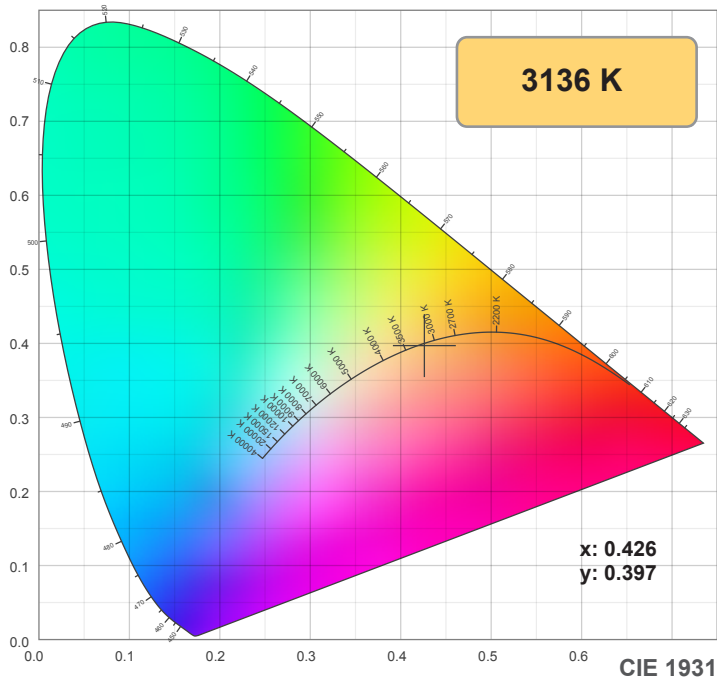
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4.08 | 4.08 | 4.04 | 3.92 | 3.76 | 3.65 | 3.53 | 3.33 | 3.10 | 2.84 | 2.55 | 2.25 | 1.92 | 1.56 | 1.22 | 0.86 | 0.55 | 0.30 | 0.16 | 0.11 |
| 100% | 100% | 99% | 96% | 92% | 89% | 87% | 81% | 76% | 70% | 62% | 55% | 47% | 38% | 30% | 21% | 13% | 7% | 4% | 3% |

Intensities in 270° c-plane

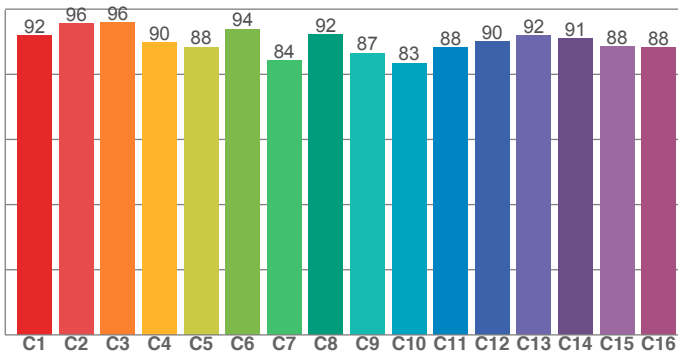
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4.08 | 4.08 | 4.04 | 3.92 | 3.76 | 3.65 | 3.53 | 3.33 | 3.10 | 2.84 | 2.55 | 2.25 | 1.92 | 1.56 | 1.22 | 0.86 | 0.55 | 0.30 | 0.16 | 0.11 |
| 100% | 100% | 99% | 96% | 92% | 89% | 87% | 81% | 76% | 70% | 62% | 55% | 47% | 38% | 30% | 21% | 13% | 7% | 4% | 3% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 116.6° | 164.7° | 360° | 72.5% | 48.7% |

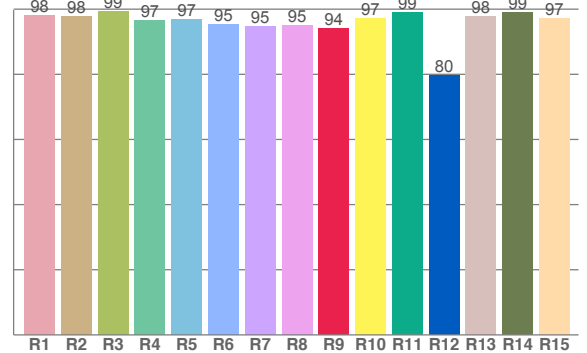
50%



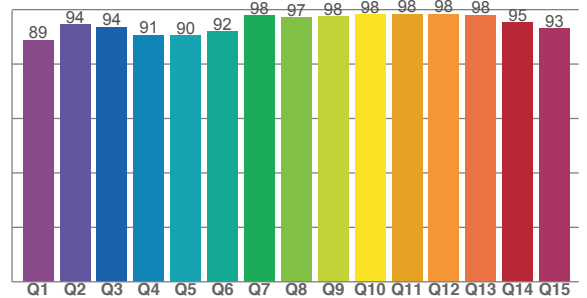
TM30: 90.1



CRI: 96.7 (R1-R8)



CQS: 93.7



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98.0 | 97.7 | 99.4 | 96.7 | 96.8 | 95.4 | 94.8 | 95.1 | 94.0 | 97.3 | 99.2 | 79.7 | 97.7 | 99.0 | 97.2 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.9 | 95.5 | 95.9 | 89.8 | 88.4 | 93.9 | 84.2 | 92.3 | 86.6 | 83.5 | 88.3 | 90.0 | 91.6 | 91.1 | 88.4 | 88.2 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88.7 | 94.5 | 93.6 | 90.7 | 90.5 | 91.9 | 97.9 | 97.2 | 97.5 | 98.1 | 98.3 | 98.3 | 97.9 | 95.2 | 93.0 |

Color parameters

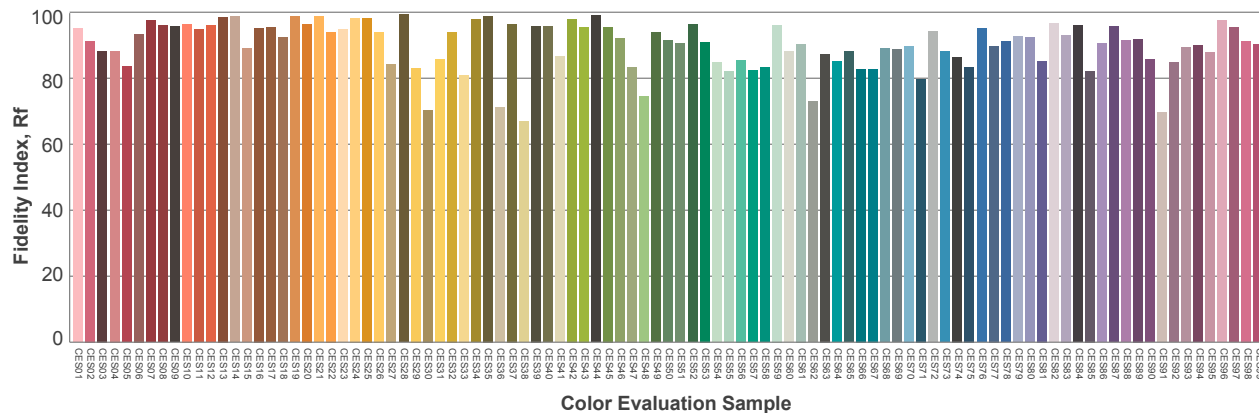
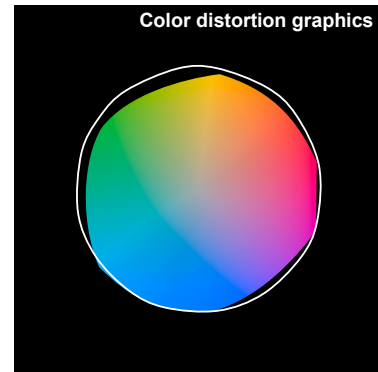
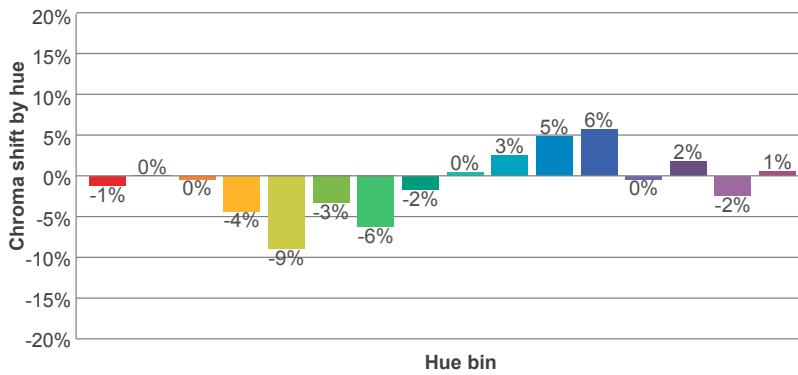
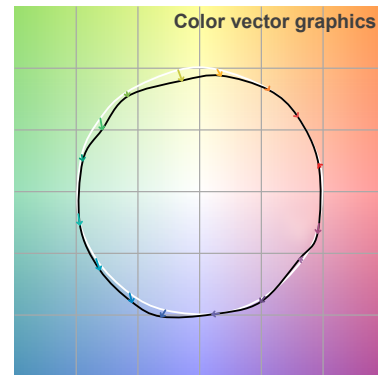
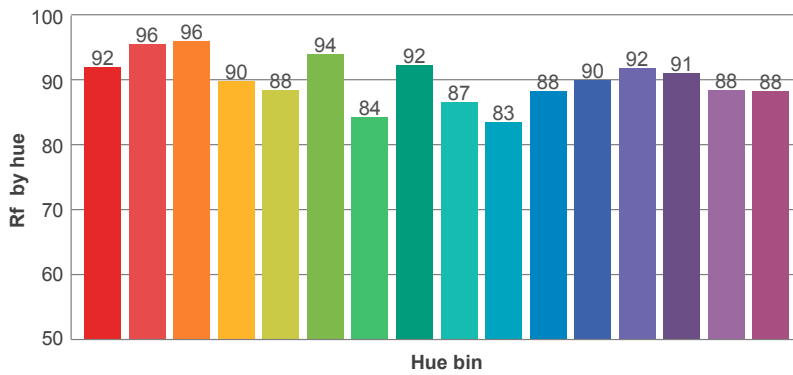
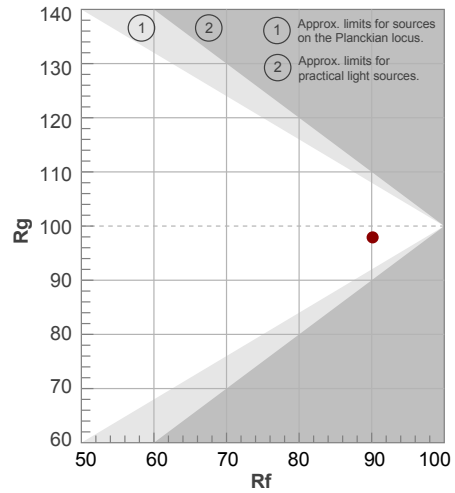
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 3136 K | 96.7 | 94.0 | 90.1 | 97.9 | 93.7 | 0.426 | 0.397 | 0.247 | 0.345 | -0.0013 |

50%

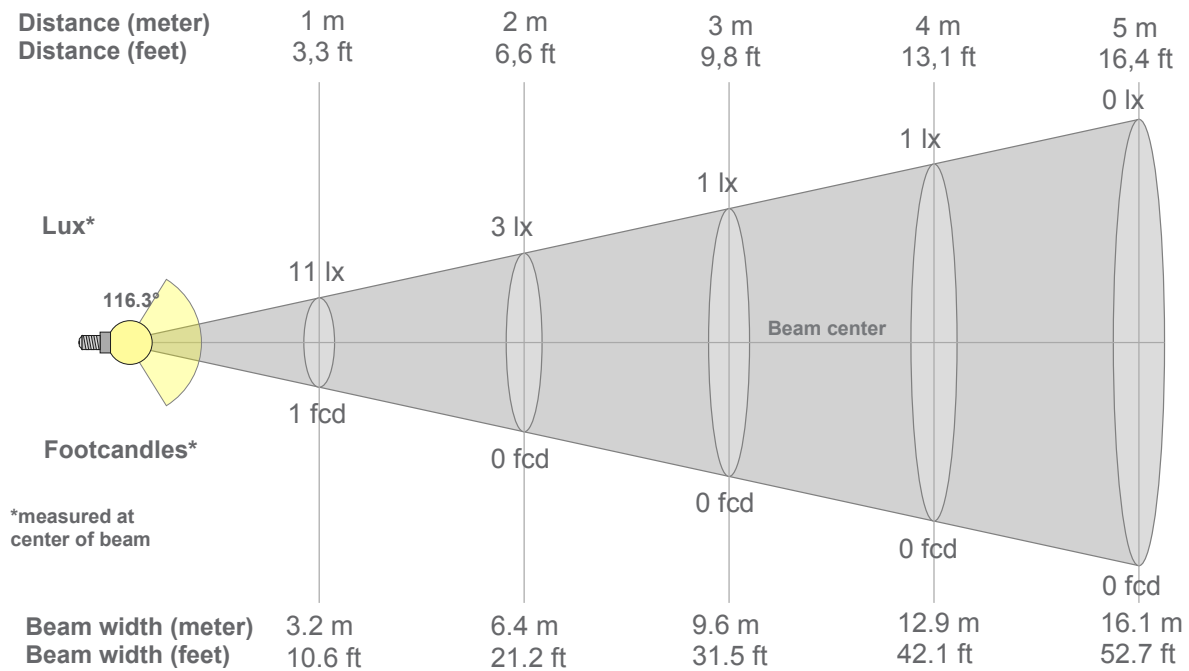
Rf 90.1
Fidelity index Rf

Rg 97.9
Gammut index Rg

| Hue Bin | R _r | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 92 | -1% | 2% |
| 2 | 96 | 0% | 0% |
| 3 | 96 | 0% | -1% |
| 4 | 90 | -4% | -4% |
| 5 | 88 | -9% | -1% |
| 6 | 94 | -3% | 1% |
| 7 | 84 | -6% | 7% |
| 8 | 92 | -2% | 4% |
| 9 | 87 | 0% | 9% |
| 10 | 83 | 3% | 9% |
| 11 | 88 | 5% | 6% |
| 12 | 90 | 6% | -2% |
| 13 | 92 | 0% | -5% |
| 14 | 91 | 2% | -5% |
| 15 | 88 | -2% | -1% |
| 16 | 88 | 1% | -7% |



50%



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 |
| 11lx | 3lx | 1lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 1fcd | 0.3fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

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° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11.2 | 11.1 | 11.0 | 10.8 | 10.5 | 10.1 | 9.6 | 9.1 | 8.5 | 7.8 | 7.0 | 6.1 | 5.2 | 4.3 | 3.3 | 2.3 | 1.4 | 0.7 | 0.3 | 0.2 |
| 100% | 100% | 99% | 97% | 94% | 91% | 86% | 81% | 76% | 69% | 62% | 55% | 47% | 38% | 30% | 21% | 13% | 6% | 2% | 2% |

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° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11.2 | 11.1 | 11.0 | 10.8 | 10.5 | 10.1 | 9.6 | 9.1 | 8.5 | 7.8 | 7.0 | 6.1 | 5.2 | 4.3 | 3.3 | 2.3 | 1.4 | 0.7 | 0.3 | 0.2 |
| 100% | 100% | 99% | 97% | 94% | 91% | 86% | 81% | 76% | 69% | 62% | 55% | 47% | 38% | 30% | 21% | 13% | 6% | 2% | 2% |

Intensities in 180° c-plane

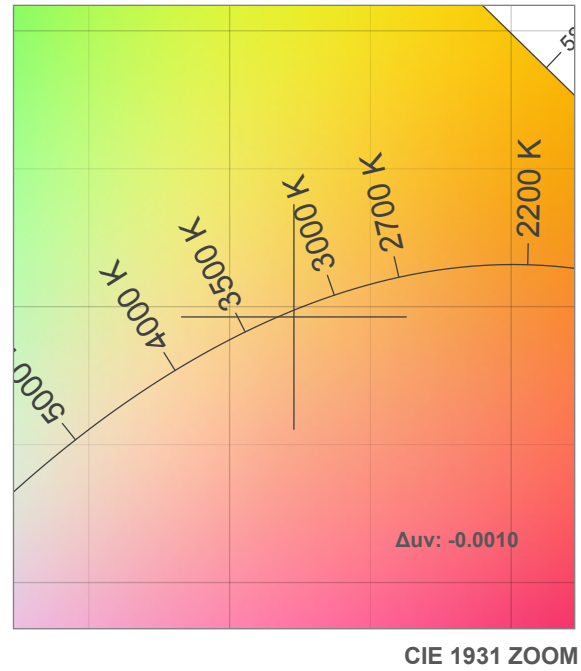
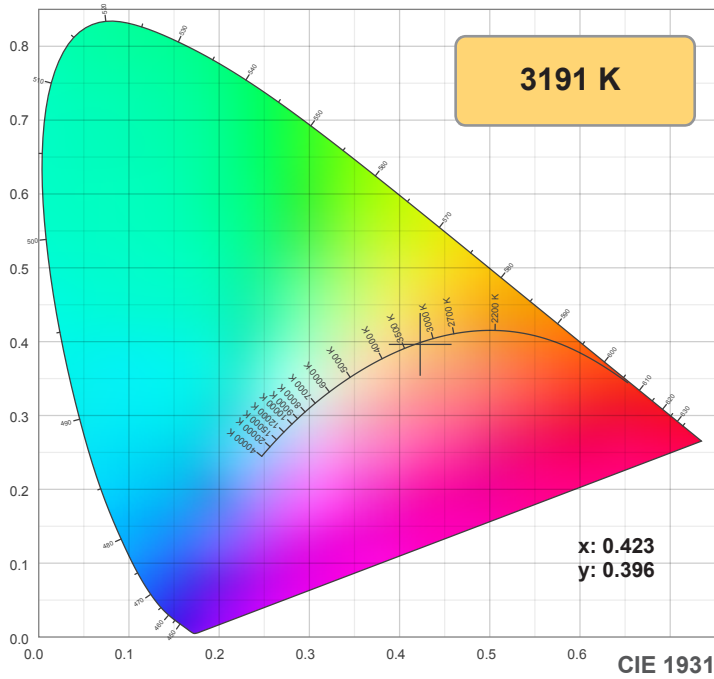
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11.2 | 11.1 | 11.0 | 10.8 | 10.5 | 10.1 | 9.6 | 9.1 | 8.4 | 7.8 | 7.0 | 6.1 | 5.2 | 4.3 | 3.4 | 2.4 | 1.5 | 0.7 | 0.2 | 0.1 |
| 100% | 100% | 99% | 97% | 94% | 90% | 86% | 81% | 76% | 69% | 63% | 55% | 47% | 39% | 30% | 22% | 14% | 6% | 2% | 1% |

Intensities in 270° c-plane

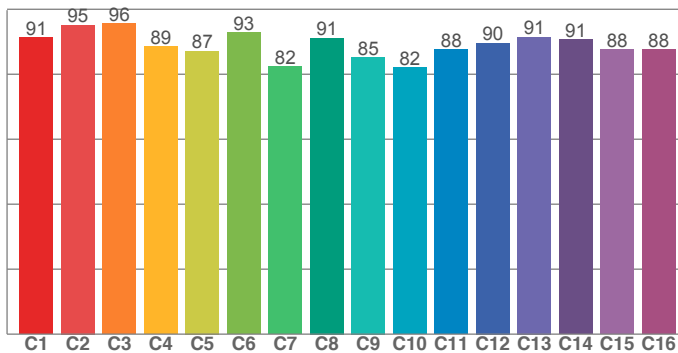
| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11.2 | 11.1 | 11.0 | 10.8 | 10.5 | 10.1 | 9.6 | 9.1 | 8.4 | 7.8 | 7.0 | 6.1 | 5.2 | 4.3 | 3.4 | 2.4 | 1.5 | 0.7 | 0.2 | 0.1 |
| 100% | 100% | 99% | 97% | 94% | 90% | 86% | 81% | 76% | 69% | 63% | 55% | 47% | 39% | 30% | 22% | 14% | 6% | 2% | 1% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 116.3° | 164.3° | 360° | 73.7% | 49.6% |

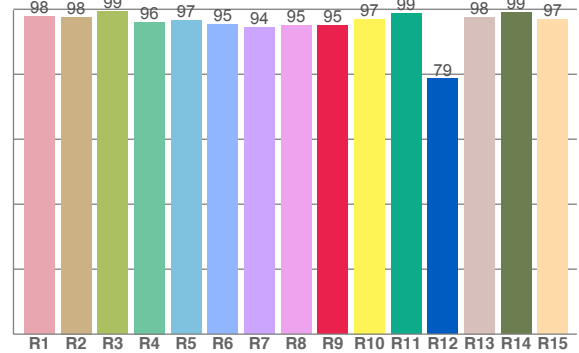
100%



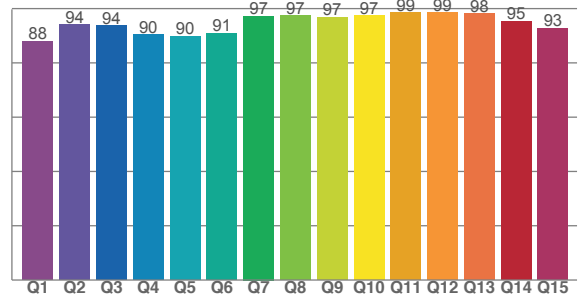
TM30: 89.3



CRI: 96.5 (R1-R8)



CQS: 93.4



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97.9 | 97.6 | 99.2 | 96.0 | 96.5 | 95.3 | 94.4 | 95.0 | 94.9 | 97.0 | 98.7 | 78.6 | 97.6 | 99.1 | 96.8 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91.3 | 95.2 | 95.5 | 88.6 | 87.2 | 92.9 | 82.5 | 91.1 | 85.3 | 82.1 | 87.5 | 89.6 | 91.5 | 90.7 | 87.7 | 87.6 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88.0 | 94.0 | 93.8 | 90.4 | 89.9 | 90.9 | 97.3 | 97.5 | 96.9 | 97.4 | 98.6 | 98.6 | 98.2 | 95.4 | 92.8 |

Color parameters

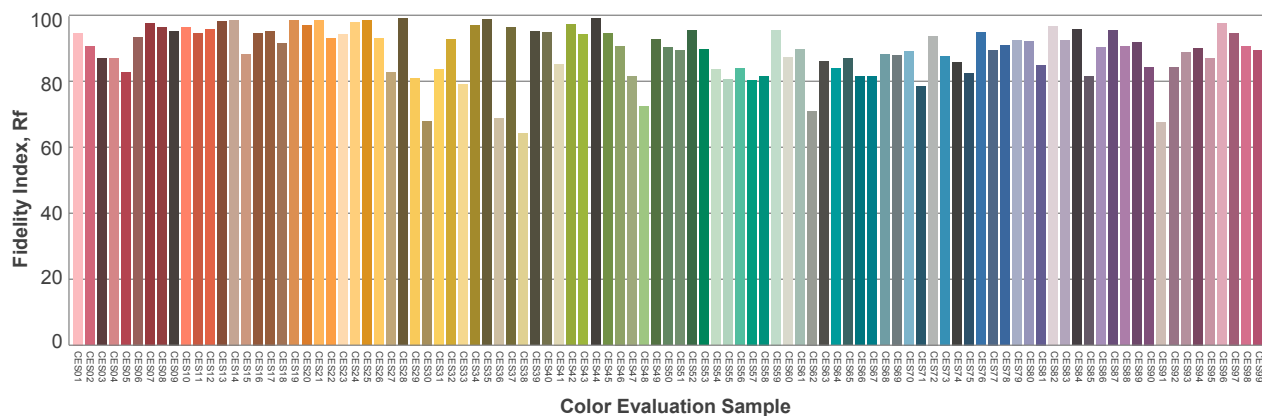
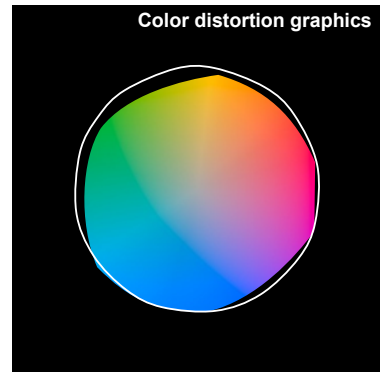
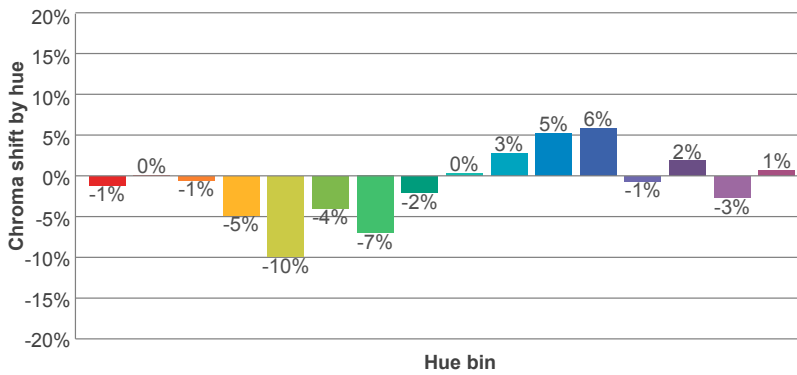
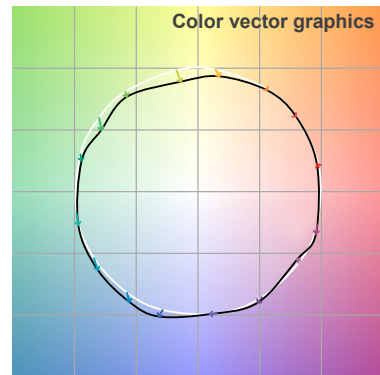
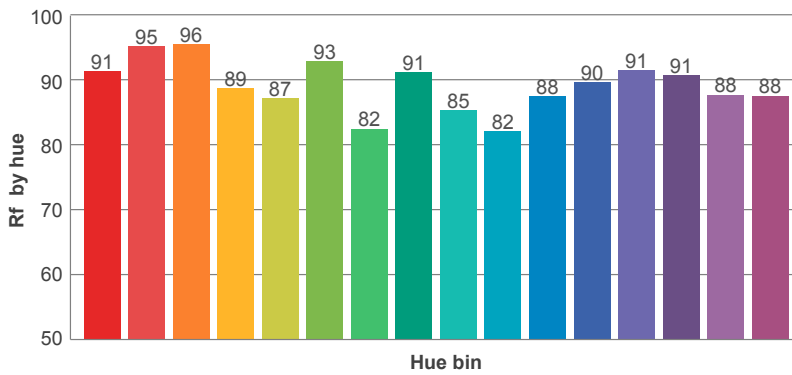
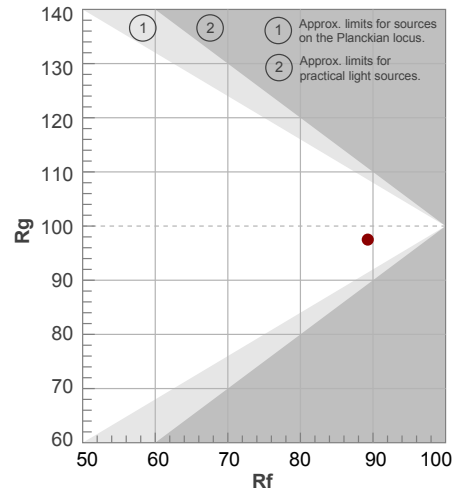
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color divlation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 3191 K | 96.5 | 94.9 | 89.3 | 97.5 | 93.4 | 0.423 | 0.396 | 0.245 | 0.344 | -0.0010 |

100%

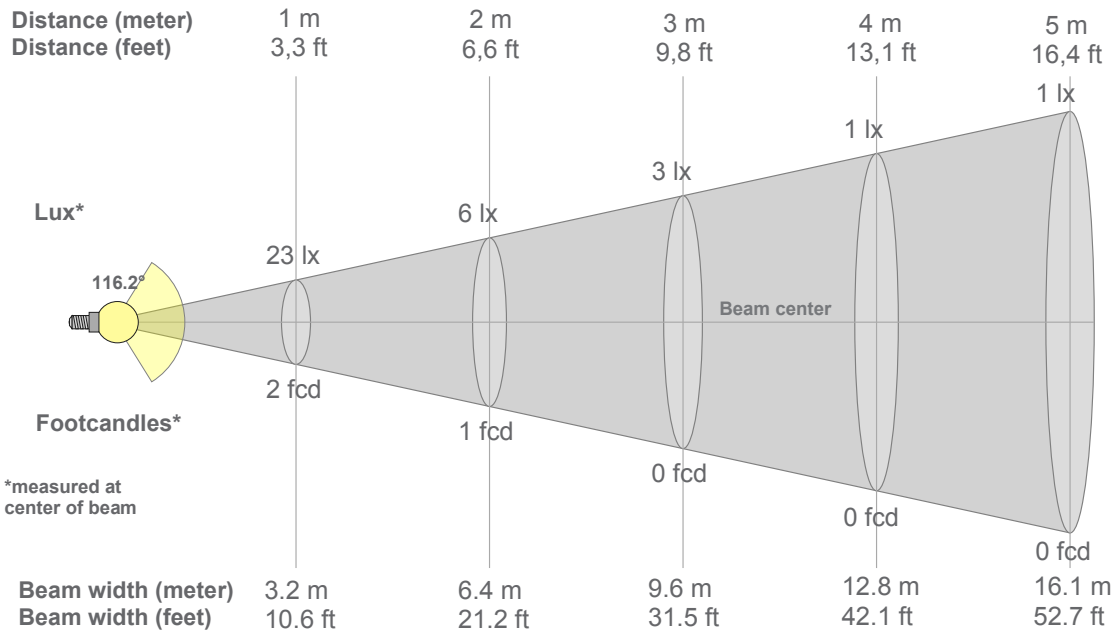
Rf 89.3
Fidelity index Rf

Rg 97.5
Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 91 | -1% | 3% |
| 2 | 95 | 0% | 0% |
| 3 | 96 | -1% | -2% |
| 4 | 89 | -5% | -4% |
| 5 | 87 | -10% | -2% |
| 6 | 93 | -4% | 1% |
| 7 | 82 | -7% | 7% |
| 8 | 91 | -2% | 5% |
| 9 | 85 | 0% | 9% |
| 10 | 82 | 3% | 9% |
| 11 | 88 | 5% | 6% |
| 12 | 90 | 6% | -2% |
| 13 | 91 | -1% | -6% |
| 14 | 91 | 2% | -5% |
| 15 | 88 | -3% | -1% |
| 16 | 88 | 1% | -8% |



100%



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 |
| 23lx | 6lx | 3lx | 1lx | 1lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| 2.1fcd | 0.5fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 23.1 | 23.0 | 22.7 | 22.3 | 21.7 | 20.8 | 19.8 | 18.7 | 17.5 | 16.0 | 14.4 | 12.7 | 10.8 | 8.9 | 6.9 | 4.9 | 3.0 | 1.4 | 0.5 | 0.3 |
| 100% | 99% | 98% | 97% | 94% | 90% | 86% | 81% | 76% | 69% | 62% | 55% | 47% | 38% | 30% | 21% | 13% | 6% | 2% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 23.1 | 23.0 | 22.7 | 22.3 | 21.7 | 20.8 | 19.8 | 18.7 | 17.5 | 16.0 | 14.4 | 12.7 | 10.8 | 8.9 | 6.9 | 4.9 | 3.0 | 1.4 | 0.5 | 0.3 |
| 100% | 99% | 98% | 97% | 94% | 90% | 86% | 81% | 76% | 69% | 62% | 55% | 47% | 38% | 30% | 21% | 13% | 6% | 2% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 23.1 | 22.9 | 22.6 | 22.2 | 21.6 | 20.8 | 19.9 | 18.7 | 17.4 | 16.0 | 14.4 | 12.7 | 10.8 | 8.9 | 6.9 | 4.9 | 3.1 | 1.5 | 0.5 | 0.2 |
| 100% | 99% | 98% | 96% | 94% | 90% | 86% | 81% | 76% | 69% | 63% | 55% | 47% | 39% | 30% | 21% | 13% | 6% | 2% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 23.1 | 22.9 | 22.6 | 22.2 | 21.6 | 20.8 | 19.9 | 18.7 | 17.4 | 16.0 | 14.4 | 12.7 | 10.8 | 8.9 | 6.9 | 4.9 | 3.1 | 1.5 | 0.5 | 0.2 |
| 100% | 99% | 98% | 96% | 94% | 90% | 86% | 81% | 76% | 69% | 63% | 55% | 47% | 39% | 30% | 21% | 13% | 6% | 2% | 1% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 116.2° | 164.3° | 360° | 74.3% | 50.1% |