

Light efficiency:



Light quality:



Color temperature:

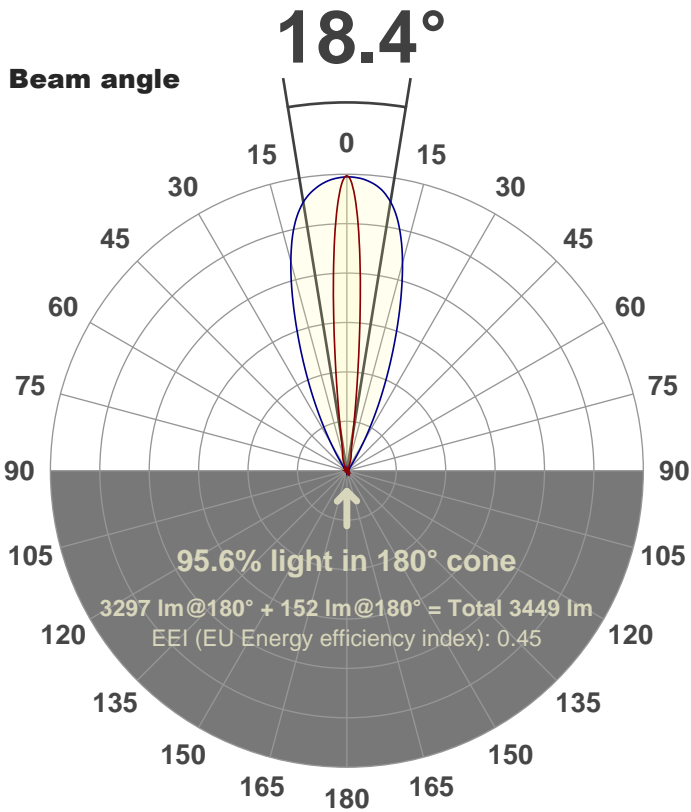


Output: 3297 lm

Peak: 18696 cd

Power: 98.3 W

PF: 1.0



Product name:

FL100-CM-RGBW65K-IM-40X10-ELV-SM-GREEN

Date and time:

08-Jun-18 3:46:32 PM

Additional Information:

LED: RGBW

FIXTURE: FL100

FILM: 250237 (40°X1°)

COLOR-AMP: ON

STABILIZED: YES

COLOR (RGBW): GREEN

FWHM: 39.4°X10.1°

PERFORMED BY: ABDULLAH QURESHI

Color

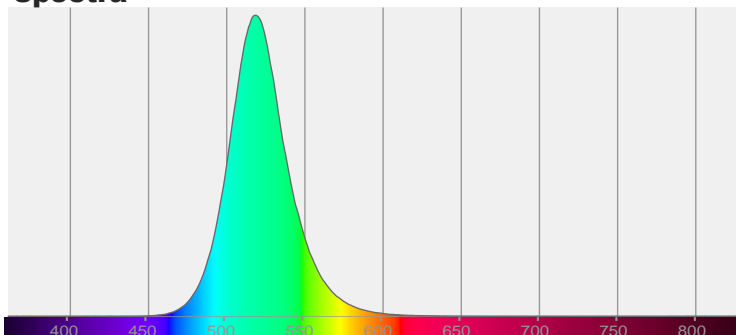


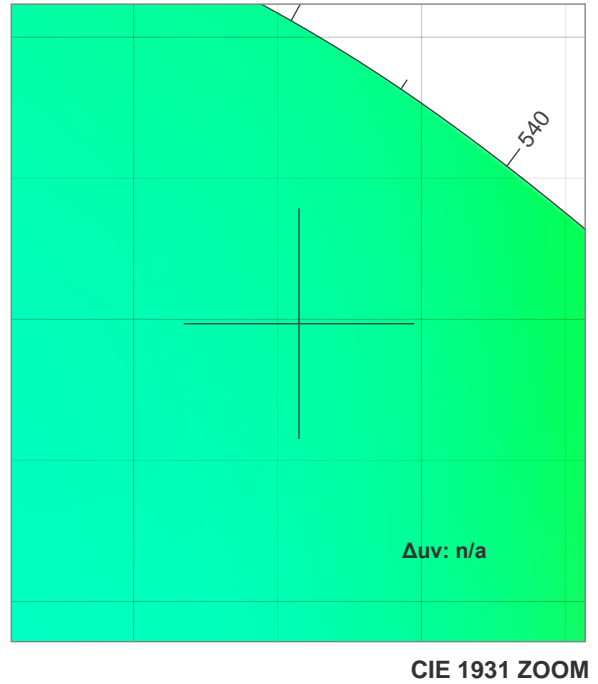
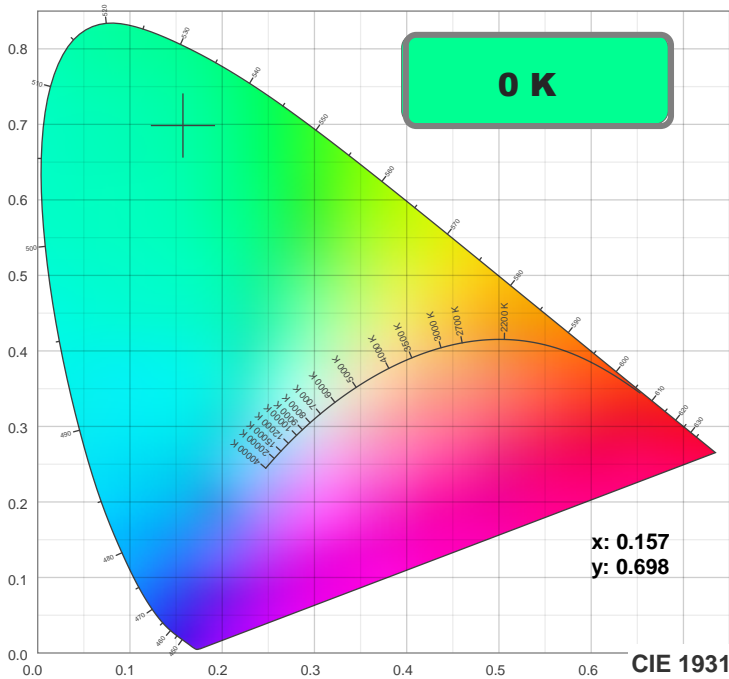
CIE 1931

x: 0.157

y: 0.698

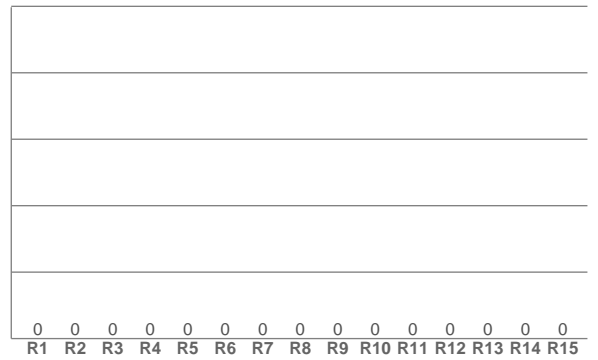
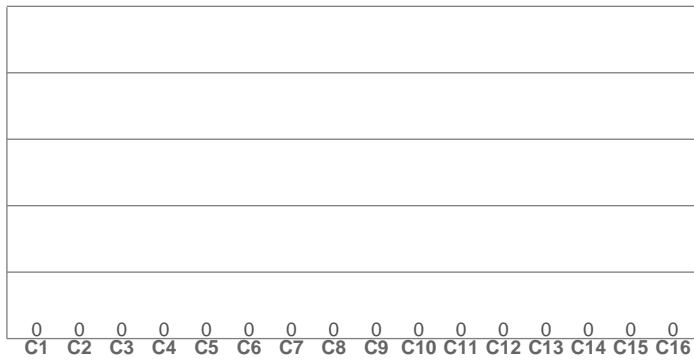
Spectra





TM30: 0.0

CRI: 0.0 (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 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

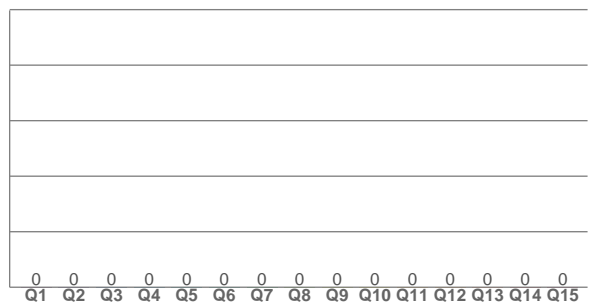
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS Q values

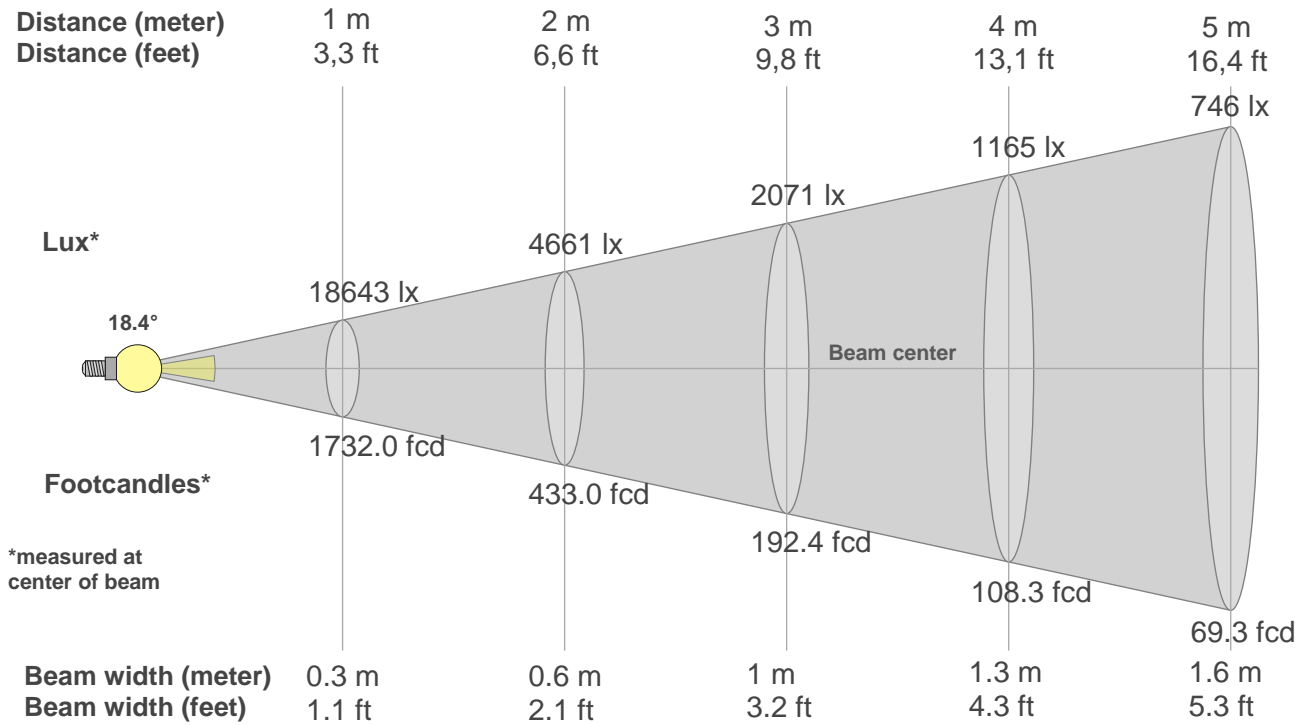
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS: 0.0



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 |
| 0 K | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.157 | 0.698 | 0.057 | 0.379 | n/a |



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 |
| 18643lx | 4661lx | 2071lx | 1165lx | 746lx | 518lx | 380lx | 291lx | 230lx | 186lx | 154lx | 129lx | 110lx | 95lx | 83lx | 73lx | 65lx | 58lx | 52lx | 47lx |
| 1732fcd | 433fcd | 192.4fcd | 108.3fcd | 69.3fcd | 48.1fcd | 35.3fcd | 27.1fcd | 21.4fcd | 17.3fcd | 14.3fcd | 12fcd | 10.2fcd | 8.8fcd | 7.7fcd | 6.8fcd | 6fcd | 5.3fcd | 4.8fcd | 4.3fcd |

Intensities in 0° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 18.6K | 18.2K | 16.9K | 14.8K | 12.2K | 9.5K | 7.0K | 5.0K | 3.5K | 2.5K | 1.9K | 1.5K | 1.3K | 1.2K | 1.1K | 1.0K | 1.0K | 0.9K | 0.8K | 0.7K |
| 100% | 98% | 90% | 79% | 66% | 51% | 38% | 27% | 19% | 14% | 10% | 8% | 7% | 6% | 6% | 6% | 5% | 5% | 4% | 4% |

Intensities in 90° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 18.6K | 18.6K | 18.6K | 18.5K | 18.4K | 18.3K | 18.1K | 17.9K | 17.6K | 17.3K | 16.9K | 16.5K | 15.9K | 15.3K | 14.6K | 13.7K | 12.8K | 11.9K | 10.9K | 10.0K |
| 100% | 100% | 100% | 99% | 99% | 98% | 97% | 96% | 95% | 93% | 91% | 88% | 86% | 82% | 78% | 74% | 69% | 64% | 59% | 54% |

Intensities in 180° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 18.6K | 18.1K | 16.8K | 14.7K | 12.2K | 9.5K | 7.1K | 5.1K | 3.6K | 2.6K | 1.9K | 1.6K | 1.3K | 1.2K | 1.1K | 1.1K | 1.0K | 0.9K | 0.8K | 0.7K |
| 100% | 97% | 90% | 79% | 65% | 51% | 38% | 27% | 19% | 14% | 10% | 8% | 7% | 7% | 6% | 6% | 5% | 5% | 4% | 4% |

Intensities in 270° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 18.6K | 18.6K | 18.6K | 18.5K | 18.5K | 18.3K | 18.2K | 18.0K | 17.7K | 17.4K | 17.0K | 16.5K | 15.9K | 15.2K | 14.5K | 13.6K | 12.8K | 11.8K | 10.9K | 10.0K |
| 100% | 100% | 100% | 99% | 99% | 98% | 97% | 96% | 95% | 93% | 91% | 88% | 85% | 82% | 78% | 73% | 68% | 63% | 58% | 53% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 18.4° | 33.3° | 57.5° | 90.6% | 87.0% |