

Light efficiency:



Light quality:



Color temperature:

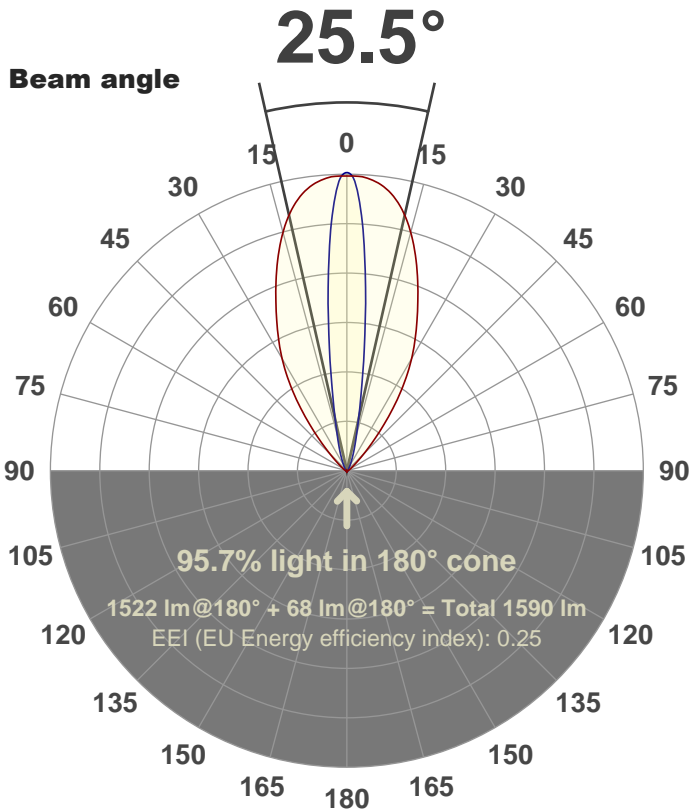


Output: 1522 lm

Peak: 4610 cd

Power: 24.9 W

PF: 1.0



Product name:

FL25-CM-RGBW65K-IM-10x60-ELV-SM120-WHITE

Date and time:

10-Aug-18 11:58:58 AM

Additional Information:

LED: RGBW (6500K)

FIXTURE: FL25

FILM: 250260 (10°X60°)

COLOR-AMP: ON

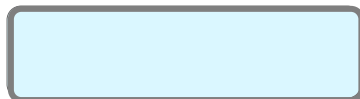
STABILIZED: YES

COLOR (RGBW): WHITE

FWHM: 14.3°X54.9°

PERFORMED BY: ABDULLAH QURESHI

Color

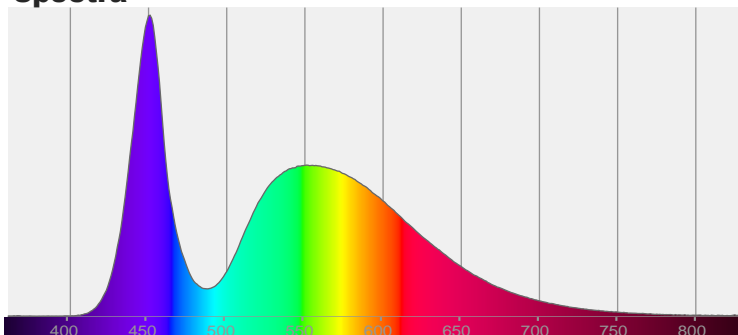


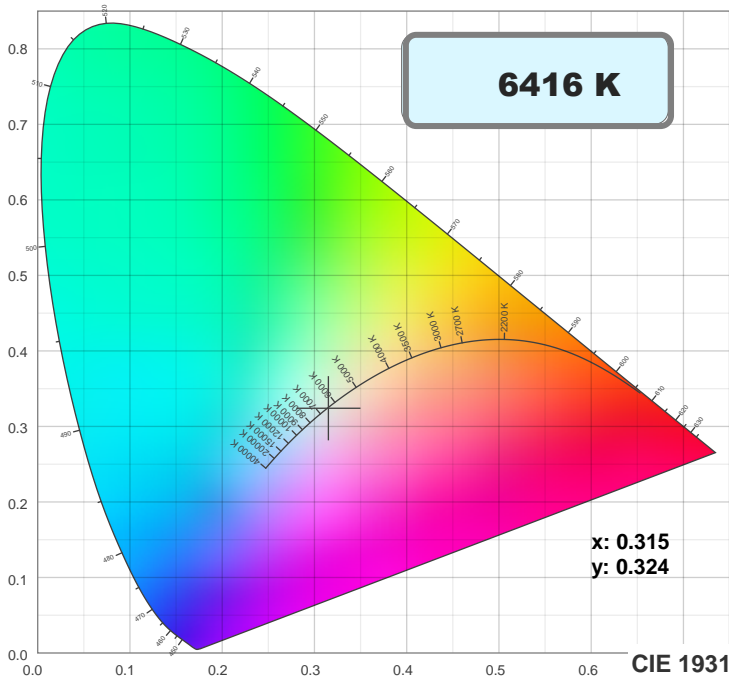
CIE 1931

x: 0.315

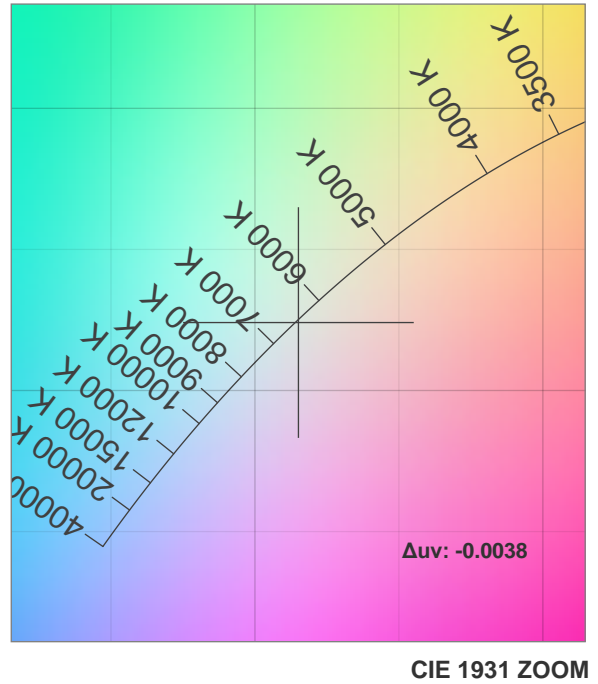
y: 0.324

Spectra



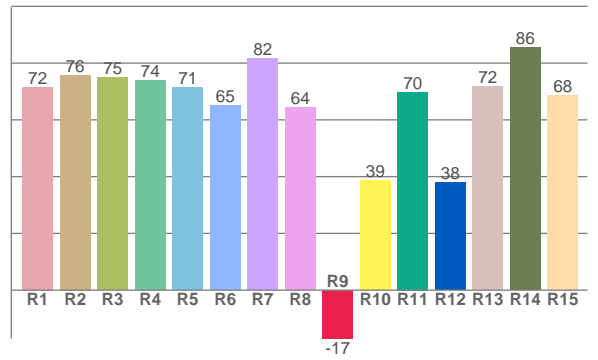
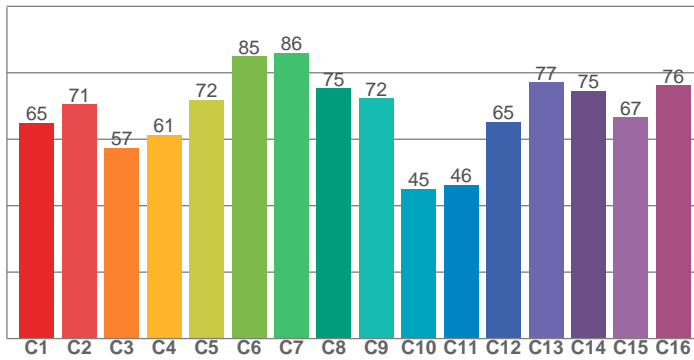


TM30: 67.9

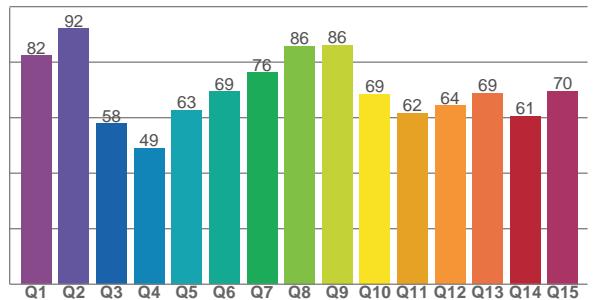


CIE 1931 ZOOM

CRI: 72.3 (R1-R8)



CQS: 68.2



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 |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 71.5 | 75.8 | 74.8 | 73.9 | 71.5 | 65.1 | 81.5 | 64.3 | -17.1 | 38.8 | 69.8 | 37.9 | 71.8 | 85.5 | 68.5 |

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

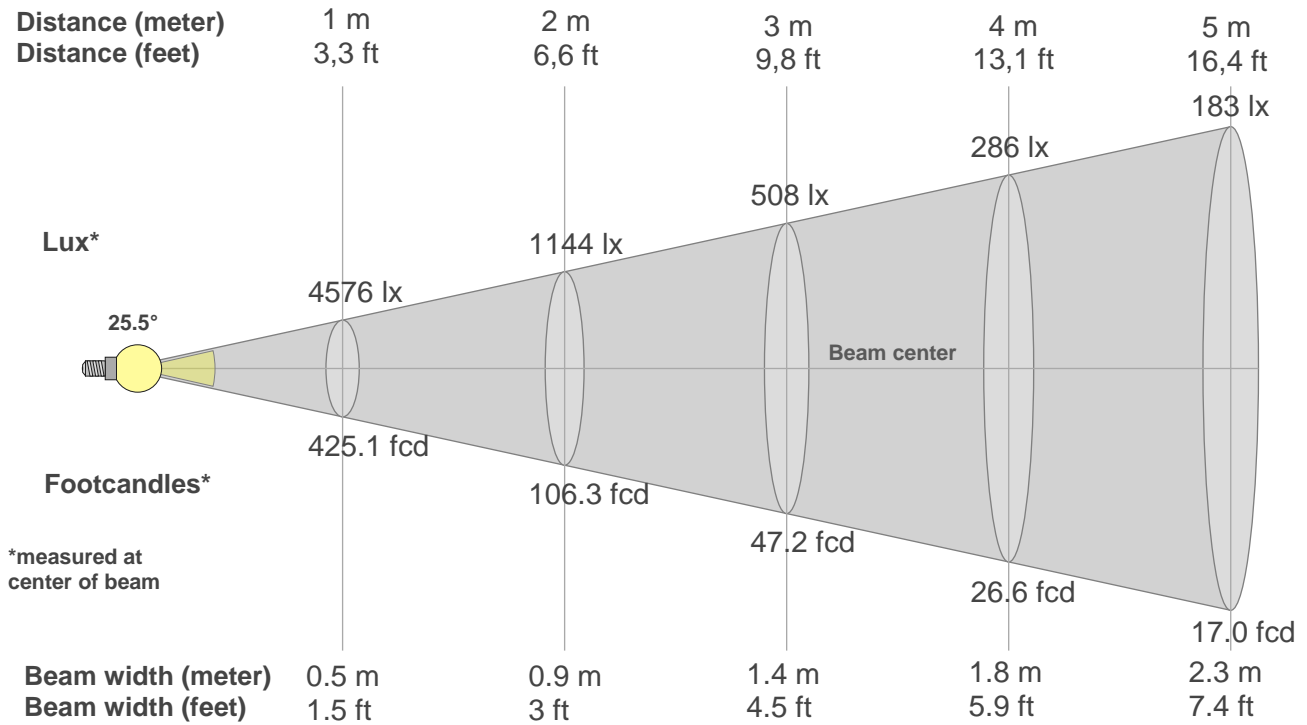
| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 64.9 | 70.5 | 57.4 | 61.4 | 71.9 | 84.9 | 86.0 | 75.4 | 72.3 | 45.0 | 46.2 | 65.3 | 77.1 | 74.5 | 66.5 | 76.3 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82.4 | 92.1 | 57.8 | 49.0 | 62.8 | 69.4 | 76.2 | 85.9 | 86.2 | 68.6 | 61.6 | 64.3 | 68.8 | 60.6 | 69.7 |

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 |
| 6416 K | 72.3 | -17.1 | 67.9 | 93.9 | 68.2 | 0.315 | 0.324 | 0.201 | 0.311 | -0.0038 |



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 |
| 4576lx | 1144lx | 508lx | 286lx | 183lx | 127lx | 93lx | 71lx | 56lx | 46lx | 38lx | 32lx | 27lx | 23lx | 20lx | 18lx | 16lx | 14lx | 13lx | 11lx |
| 425.1fcd | 106.3fcd | 47.2fcd | 26.6fcd | 17fcd | 11.8fcd | 8.7fcd | 6.6fcd | 5.2fcd | 4.3fcd | 3.5fcd | 3fcd | 2.5fcd | 2.2fcd | 1.9fcd | 1.7fcd | 1.5fcd | 1.3fcd | 1.2fcd | 1.1fcd |

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° |
| 4576 | 4606 | 4580 | 4527 | 4443 | 4321 | 4162 | 3967 | 3740 | 3489 | 3228 | 2967 | 2717 | 2480 | 2252 | 2024 | 1784 | 1530 | 1271 | 1020 |
| 100% | 101% | 100% | 99% | 97% | 94% | 91% | 87% | 82% | 76% | 71% | 65% | 59% | 54% | 49% | 44% | 39% | 33% | 28% | 22% |

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° |
| 4576 | 4360 | 3695 | 2809 | 1980 | 1365 | 954 | 690 | 518 | 398 | 309 | 241 | 189 | 151 | 122 | 101 | 84 | 72 | 62 | 54 |
| 100% | 95% | 81% | 61% | 43% | 30% | 21% | 15% | 11% | 9% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

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° |
| 4576 | 4606 | 4580 | 4527 | 4443 | 4321 | 4162 | 3967 | 3740 | 3489 | 3228 | 2967 | 2717 | 2480 | 2252 | 2024 | 1784 | 1530 | 1271 | 1020 |
| 100% | 101% | 100% | 99% | 97% | 94% | 91% | 87% | 82% | 76% | 71% | 65% | 59% | 54% | 49% | 44% | 39% | 33% | 28% | 22% |

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° |
| 4576 | 4360 | 3695 | 2809 | 1980 | 1365 | 954 | 690 | 518 | 398 | 309 | 241 | 189 | 151 | 122 | 101 | 84 | 72 | 62 | 54 |
| 100% | 95% | 81% | 61% | 43% | 30% | 21% | 15% | 11% | 9% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

| | | | | |
|-----------------------|------------------------|--------------------------|-------------------------------------|------------------------------------|
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 25.5° | 50.8° | 78.2° | 90.8% | 85.5% |