

Light efficiency:

9 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

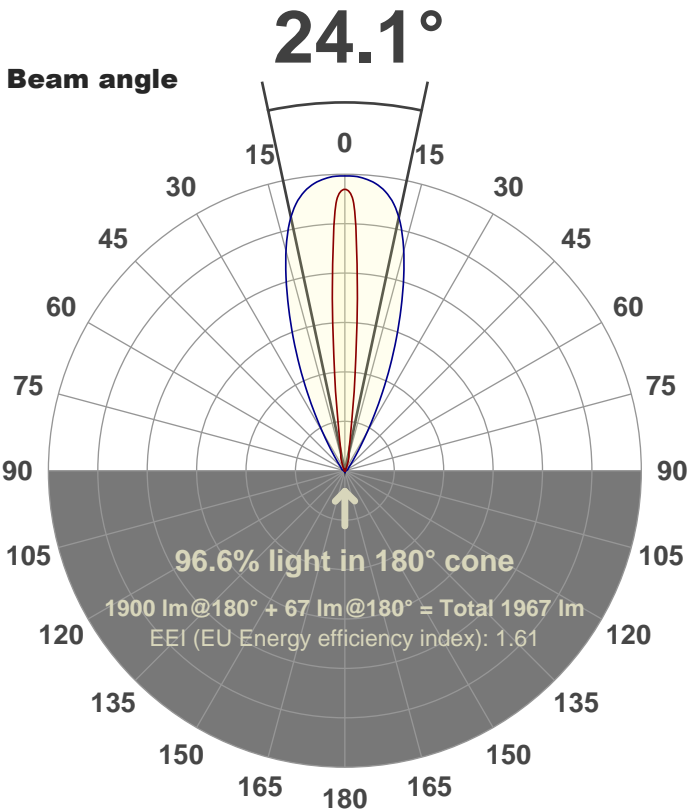
0 K

Output: 1900 lm

Peak: 7896 cd

Power: 206 W

PF: 1.0



Color



CIE 1931
x: 0.704
y: 0.295

Product name:

FL200-CM-RGBW-IM-40X10-ELV-SM-RED

Date and time:

27-Aug-18 6:36:28 PM

Additional Information:

LED: RGBW

FIXTURE: FL200

FILM: 250288 (40°X1°)

COLOR-AMP: ON

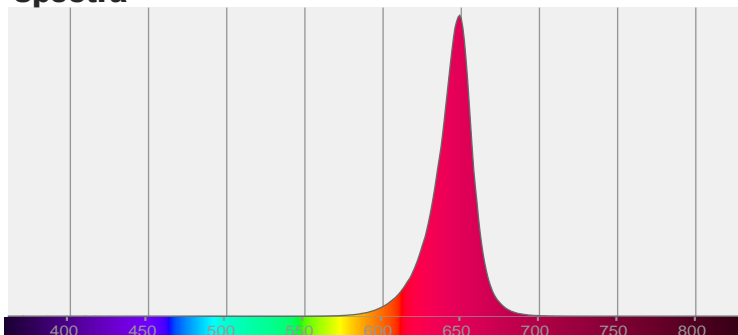
STABILIZED: YES

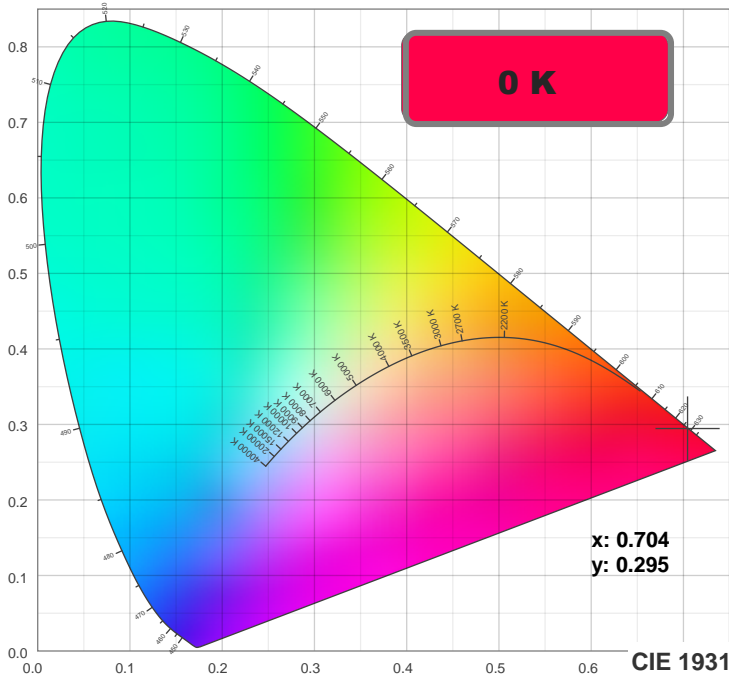
COLOR (RGBW): RED

FWHM: 41.7°x10.2°

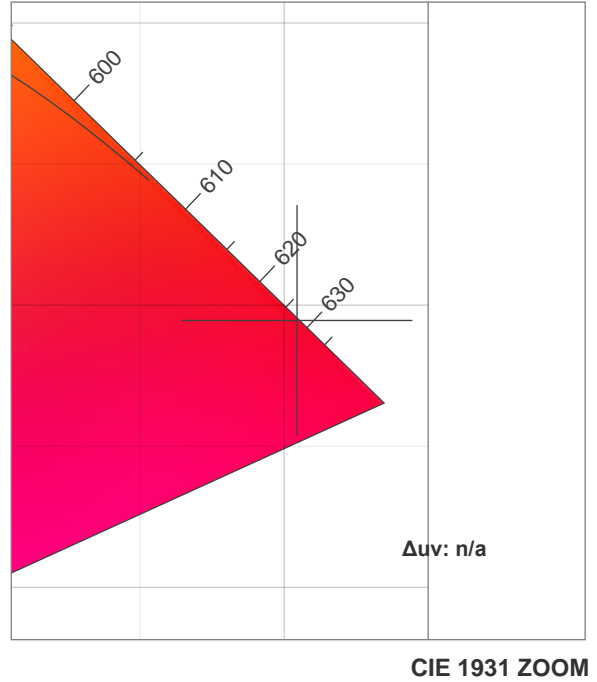
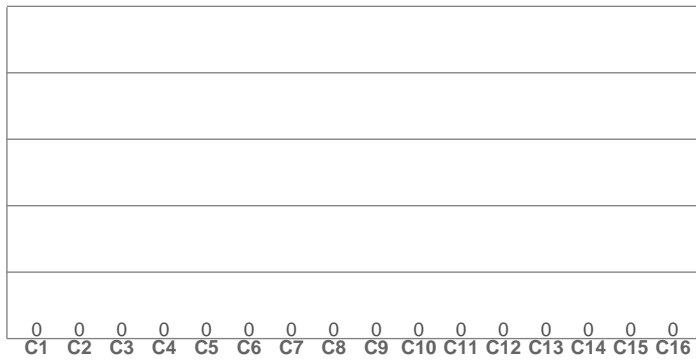
PERFORMED BY: ABDULLAH QURESHI

Spectra

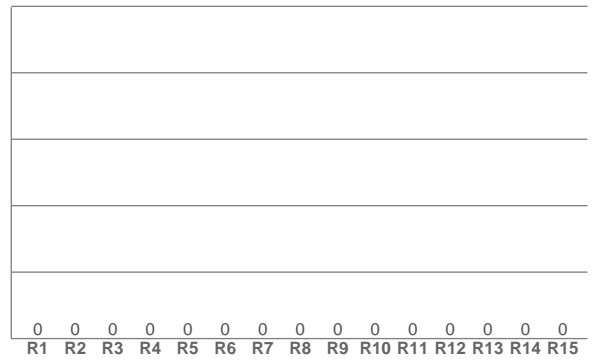




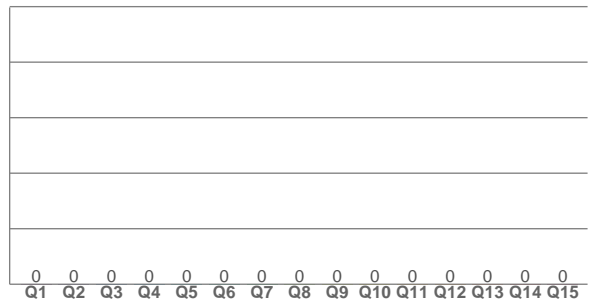
TM30: 0.0



CRI: 0.0 (R1-R8)



CQS: 0.0



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

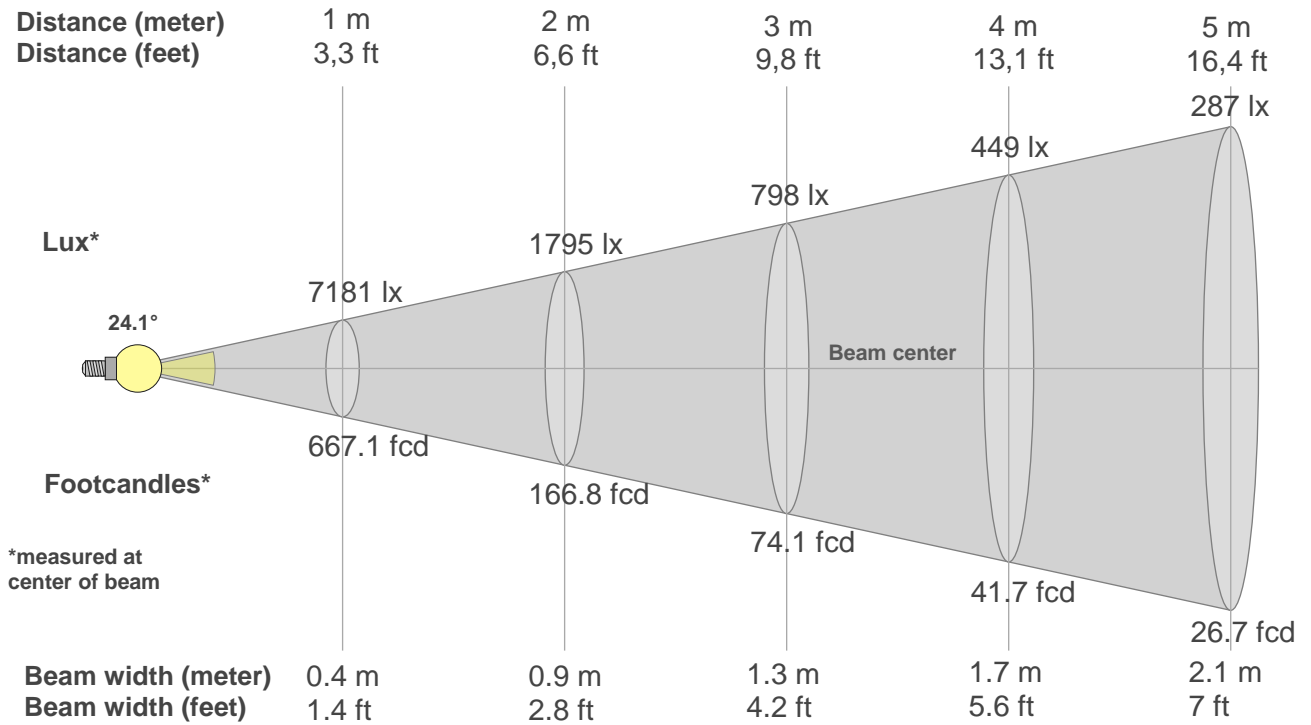
| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |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

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 | 0.704 | 0.295 | 0.550 | 0.345 | 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 |
| 7181lx | 1795lx | 798lx | 449lx | 287lx | 199lx | 147lx | 112lx | 89lx | 72lx | 59lx | 50lx | 42lx | 37lx | 32lx | 28lx | 25lx | 22lx | 20lx | 18lx |
| 667.1fcd | 166.8fcd | 74.1fcd | 41.7fcd | 26.7fcd | 18.5fcd | 13.6fcd | 10.4fcd | 8.2fcd | 6.7fcd | 5.5fcd | 4.6fcd | 3.9fcd | 3.4fcd | 3fcd | 2.6fcd | 2.3fcd | 2.1fcd | 1.8fcd | 1.7fcd |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7181 | 6702 | 6438 | 5442 | 4445 | 3450 | 2455 | 1839 | 1249 | 937 | 706 | 569 | 493 | 439 | 412 | 386 | 362 | 337 | 301 | 264 |
| 100% | 93% | 90% | 76% | 62% | 48% | 34% | 26% | 17% | 13% | 10% | 8% | 7% | 6% | 6% | 5% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7181 | 7297 | 7292 | 7270 | 7246 | 7202 | 7159 | 7083 | 7005 | 6891 | 6765 | 6600 | 6407 | 6182 | 5912 | 5629 | 5305 | 4979 | 4632 | 4285 |
| 100% | 102% | 102% | 101% | 101% | 100% | 100% | 99% | 98% | 96% | 94% | 92% | 89% | 86% | 82% | 78% | 74% | 69% | 65% | 60% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7181 | 6702 | 6438 | 5442 | 4445 | 3450 | 2455 | 1839 | 1249 | 937 | 706 | 569 | 493 | 439 | 412 | 386 | 362 | 337 | 301 | 264 |
| 100% | 93% | 90% | 76% | 62% | 48% | 34% | 26% | 17% | 13% | 10% | 8% | 7% | 6% | 6% | 5% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7181 | 7297 | 7292 | 7270 | 7246 | 7202 | 7159 | 7083 | 7005 | 6891 | 6765 | 6600 | 6407 | 6182 | 5912 | 5629 | 5305 | 4979 | 4632 | 4285 |
| 100% | 102% | 102% | 101% | 101% | 100% | 100% | 99% | 98% | 96% | 94% | 92% | 89% | 86% | 82% | 78% | 74% | 69% | 65% | 60% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 24.1° | 39.6° | 63° | 91.9% | 88.3% |