

Light efficiency:

9 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

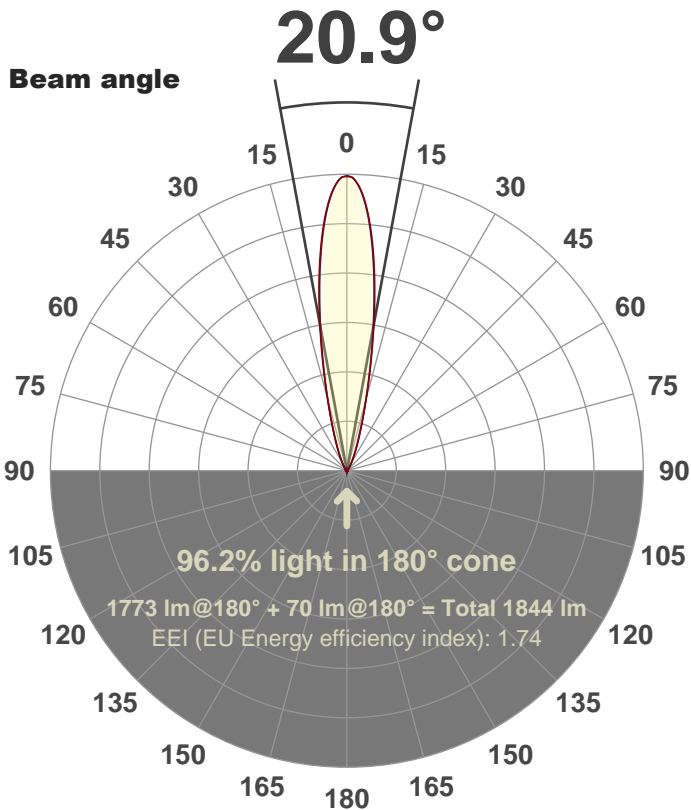
0 K

Output: 1773 lm

Peak: 8844 cd

Power: 206 W

PF: 1.0



Product name:

FL200-CM-RGBW-IM-20-ELV-SM-RED

Date and time:

27-Aug-18 10:38:51 AM

Additional Information:

LED: RGBW

FIXTURE: FL200

FILM: 250274 (20°)

COLOR-AMP: ON

STABILIZED: YES

COLOR (RGBW): RED

PERFORMED BY: ABDULLAH QURESHI

Color

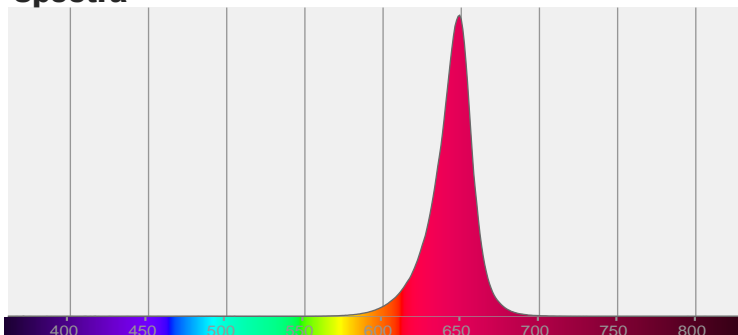


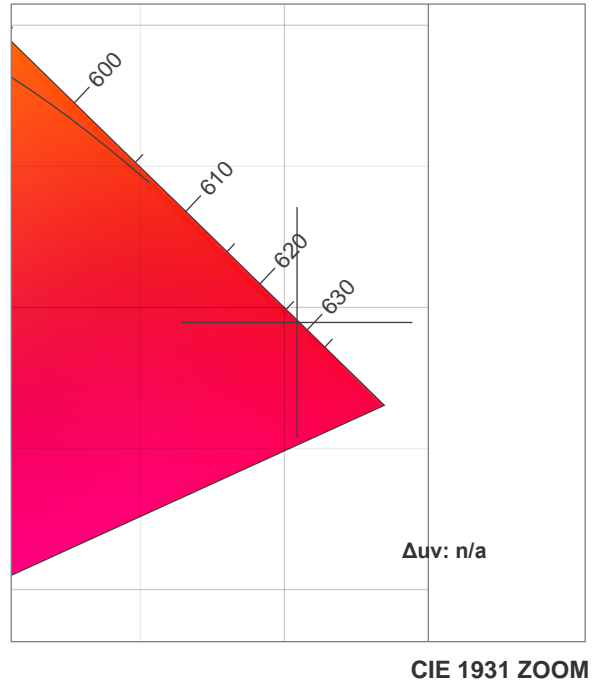
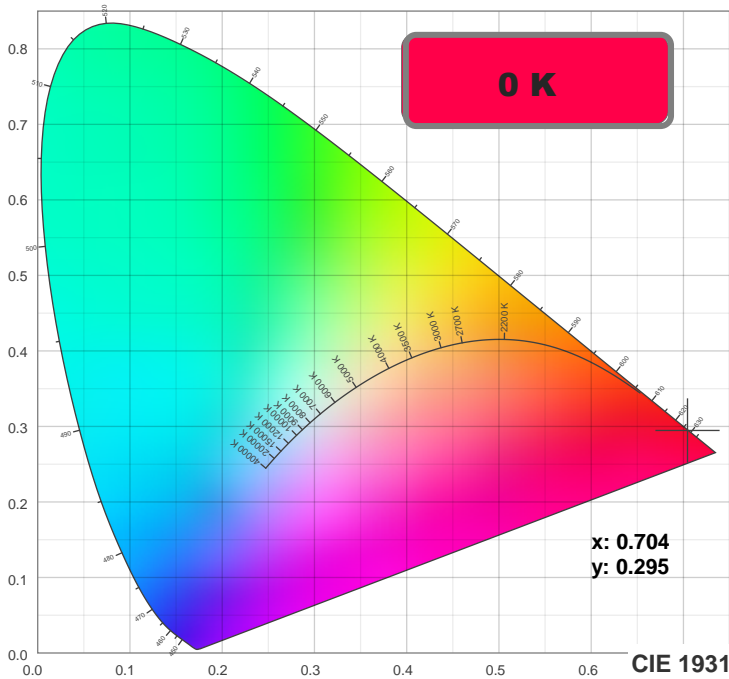
CIE 1931

x: 0.704

y: 0.295

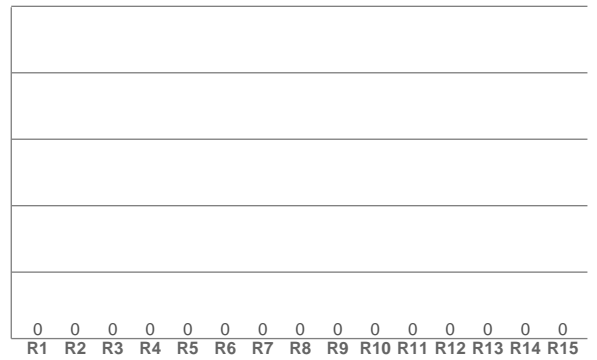
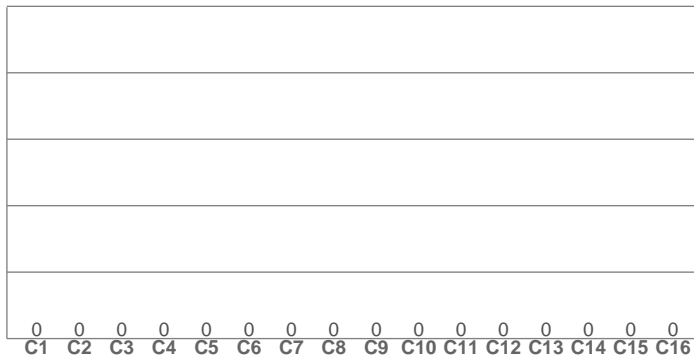
Spectra





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 |

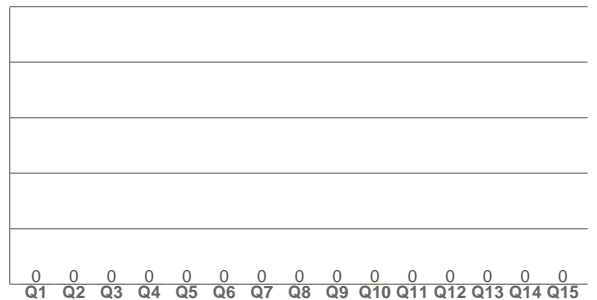
TM30 C values, 16 binned values out of total of 99 C values

| 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

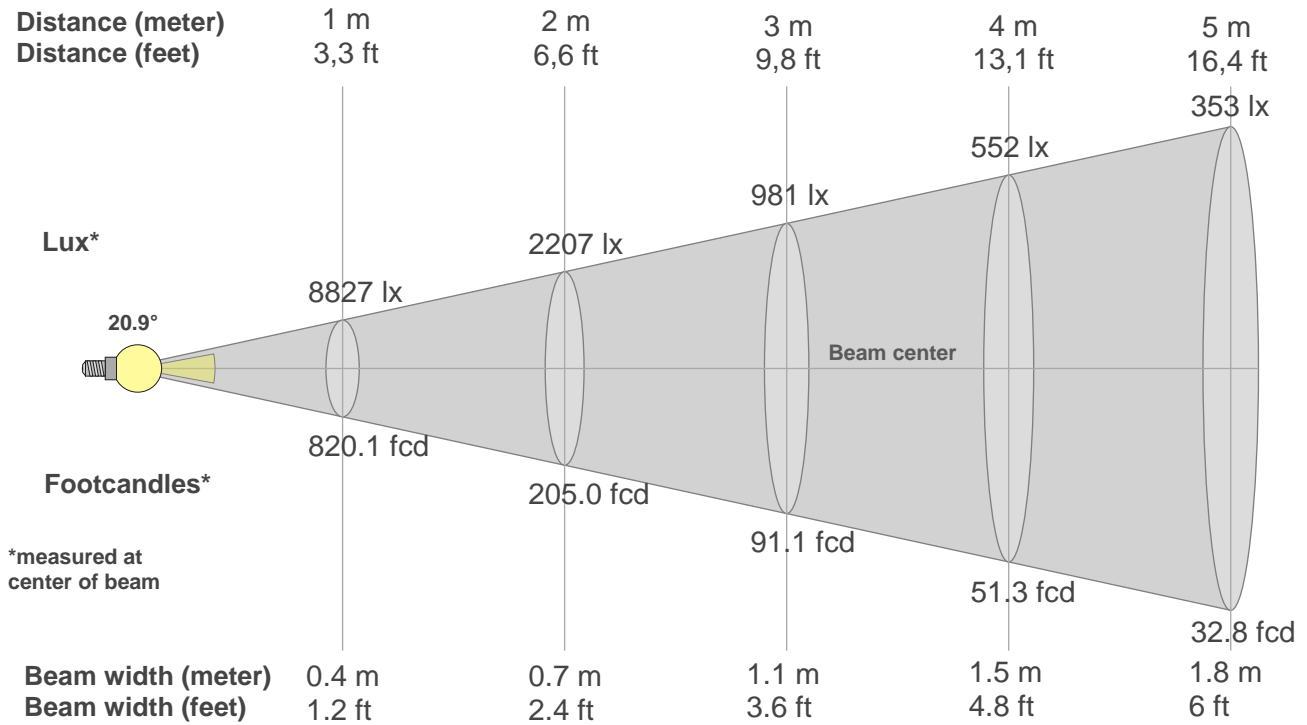
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 | 0.704 | 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 |
| 8827lx | 2207lx | 981lx | 552lx | 353lx | 245lx | 180lx | 138lx | 109lx | 88lx | 73lx | 61lx | 52lx | 45lx | 39lx | 34lx | 31lx | 27lx | 24lx | 22lx |
| 820.1fcd | 205fcd | 91.1fcd | 51.3fcd | 32.8fcd | 22.8fcd | 16.7fcd | 12.8fcd | 10.1fcd | 8.2fcd | 6.8fcd | 5.7fcd | 4.9fcd | 4.2fcd | 3.6fcd | 3.2fcd | 2.8fcd | 2.5fcd | 2.3fcd | 2.1fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 8827 | 8620 | 8017 | 7086 | 5940 | 4724 | 3585 | 2629 | 1896 | 1368 | 1002 | 749 | 567 | 430 | 328 | 250 | 192 | 150 | 119 | 98 |
| 100% | 98% | 91% | 80% | 67% | 54% | 41% | 30% | 21% | 15% | 11% | 8% | 6% | 5% | 4% | 3% | 2% | 2% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 8827 | 8620 | 7978 | 7007 | 5830 | 4612 | 3503 | 2588 | 1904 | 1406 | 1050 | 795 | 603 | 455 | 345 | 263 | 203 | 160 | 130 | 108 |
| 100% | 98% | 90% | 79% | 66% | 52% | 40% | 29% | 22% | 16% | 12% | 9% | 7% | 5% | 4% | 3% | 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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 8827 | 8620 | 8017 | 7086 | 5940 | 4724 | 3585 | 2629 | 1896 | 1368 | 1002 | 749 | 567 | 430 | 328 | 250 | 192 | 150 | 119 | 98 |
| 100% | 98% | 91% | 80% | 67% | 54% | 41% | 30% | 21% | 15% | 11% | 8% | 6% | 5% | 4% | 3% | 2% | 2% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 8827 | 8620 | 7978 | 7007 | 5830 | 4612 | 3503 | 2588 | 1904 | 1406 | 1050 | 795 | 603 | 455 | 345 | 263 | 203 | 160 | 130 | 108 |
| 100% | 98% | 90% | 79% | 66% | 52% | 40% | 29% | 22% | 16% | 12% | 9% | 7% | 5% | 4% | 3% | 2% | 2% | 1% | 1% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 20.9° | 41.8° | 61.8° | 91.0% | 87.3% |