

**Light efficiency:**

**9 Lumen/Watt**

**Light quality:**

**CRI: 0.0**

**Color temperature:**

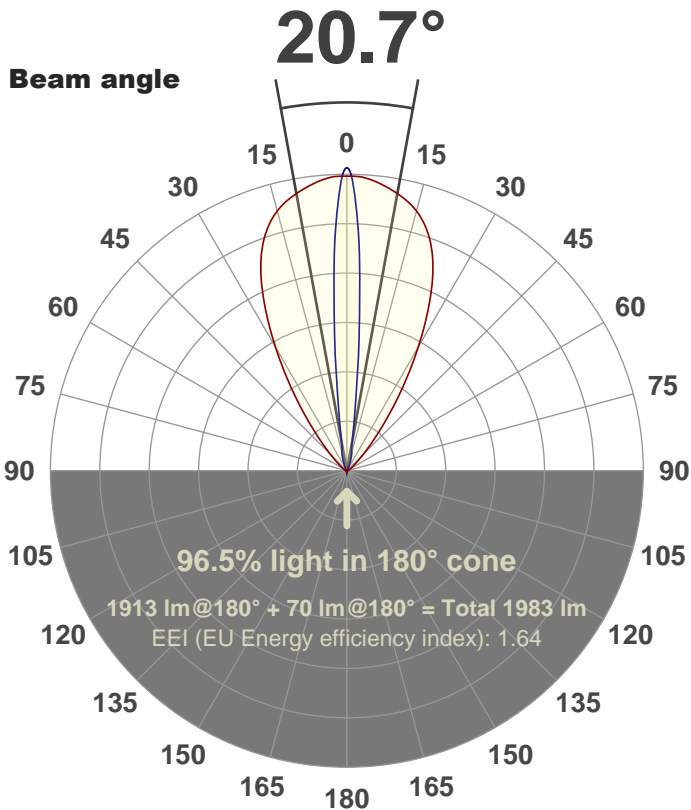
**0 K**

**Output: 1913 lm**

**Peak: 7683 cd**

**Power: 206 W**

**PF: 1.0**



**Color**



**CIE 1931**  
**x: 0.704**  
**y: 0.295**

**Product name:**

**FL200-CM-RGBW-IM-10X60-ELV-SM-RED**

**Date and time:**

**24-Aug-18 1:23:08 PM**

**Additional Information:**

**LED: RGBW**

**FIXTURE: FL200**

**FILM: 250282 (10°X60°)**

**COLOR-AMP: ON**

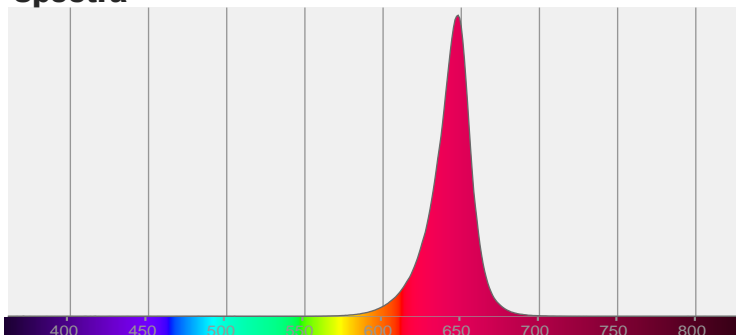
**STABILIZED: YES**

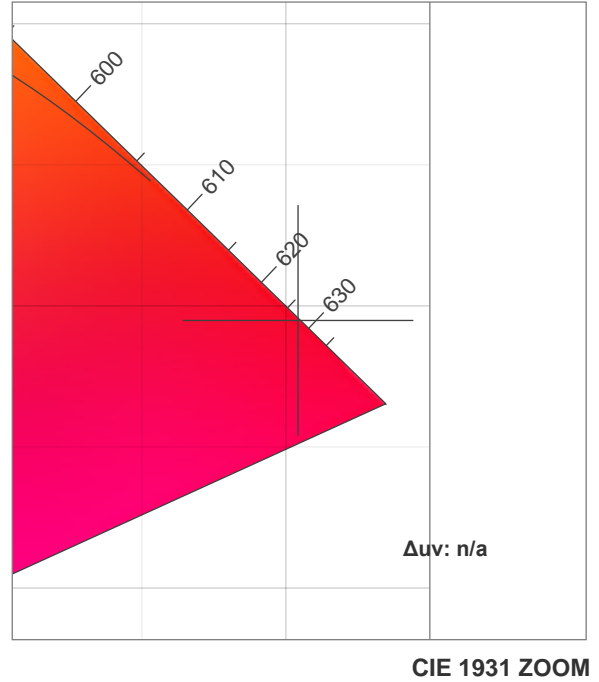
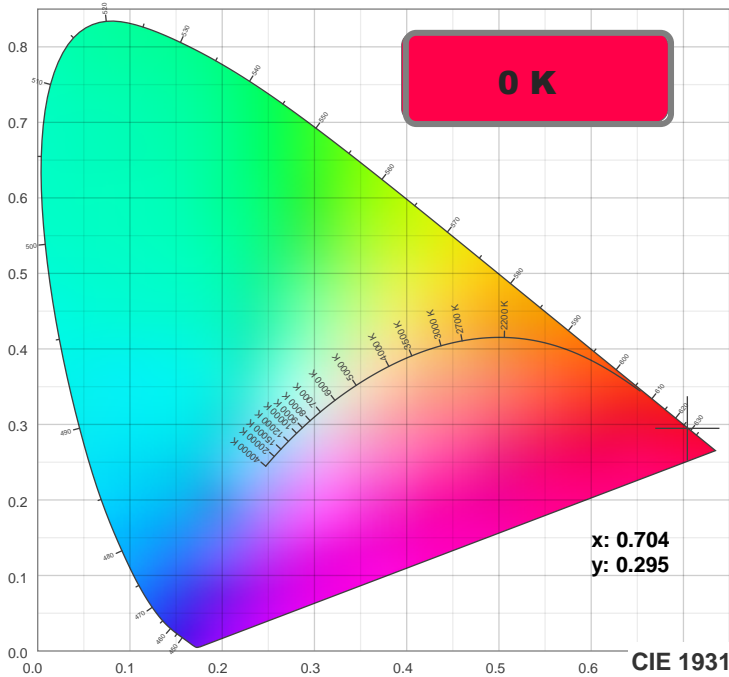
**COLOR (RGBW): RED**

**FWHM: 9.8°X59.2°**

**PERFORMED BY: ABDULLAH QURESHI**

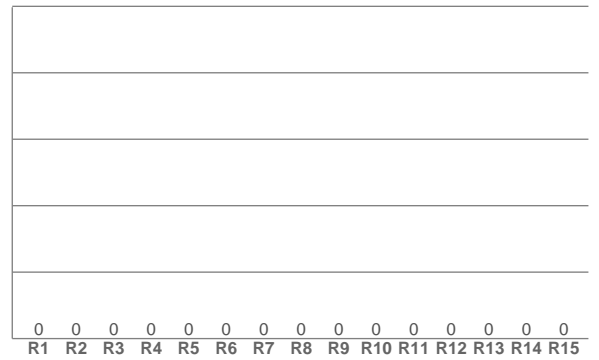
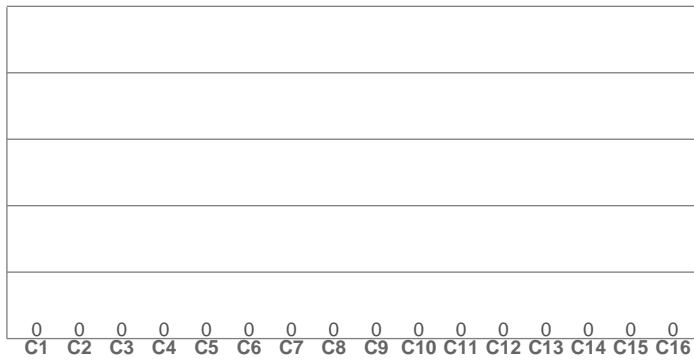
**Spectra**





**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 |

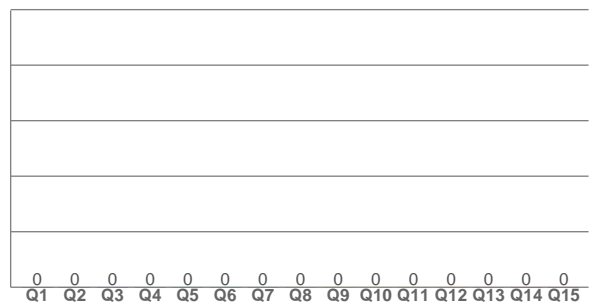
**TM30 C values, 16 binned values out of total of 99 C values**

| 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**

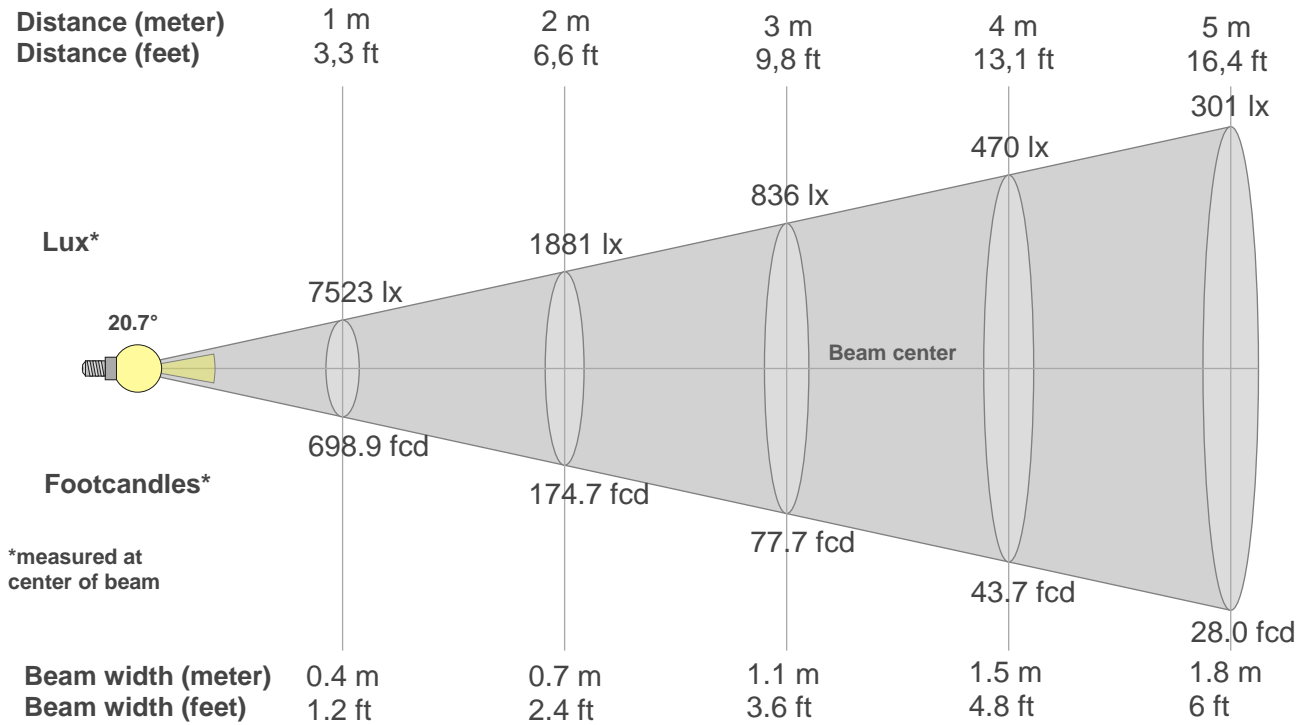
| Q1  | Q2  | Q3  | Q4  | Q5  | Q6  | Q7  | Q8  | Q9  | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**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                     | 0.549            | 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 |
| 7523lx   | 1881lx   | 836lx   | 470lx   | 301lx  | 209lx   | 154lx   | 118lx   | 93lx   | 75lx   | 62lx   | 52lx   | 45lx   | 38lx   | 33lx   | 29lx   | 26lx   | 23lx   | 21lx   | 19lx   |
| 698.9fcd | 174.7fcd | 77.7fcd | 43.7fcd | 28fcd  | 19.4fcd | 14.3fcd | 10.9fcd | 8.6fcd | 7fcd   | 5.8fcd | 4.9fcd | 4.1fcd | 3.6fcd | 3.1fcd | 2.7fcd | 2.4fcd | 2.2fcd | 1.9fcd | 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°  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7523 | 7664 | 7661 | 7647 | 7620 | 7587 | 7545 | 7502 | 7452 | 7403 | 7347 | 7291 | 7226 | 7160 | 7080 | 6994 | 6892 | 6777 | 6649 | 6501 |
| 100% | 102% | 102% | 102% | 101% | 101% | 100% | 100% | 99%  | 98%  | 98%  | 97%  | 96%  | 95%  | 94%  | 93%  | 92%  | 90%  | 88%  | 86%  |

### 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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7523 | 7586 | 6781 | 5975 | 4869 | 3747 | 2865 | 2043 | 1506 | 1122 | 859 | 720 | 612 | 562 | 516 | 487 | 457 | 416 | 375 | 329 |
| 100% | 101% | 90%  | 79%  | 65%  | 50%  | 38%  | 27%  | 20%  | 15%  | 11% | 10% | 8%  | 7%  | 7%  | 6%  | 6%  | 6%  | 5%  | 4%  |

### 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°  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7523 | 7664 | 7661 | 7647 | 7620 | 7587 | 7545 | 7502 | 7452 | 7403 | 7347 | 7291 | 7226 | 7160 | 7080 | 6994 | 6892 | 6777 | 6649 | 6501 |
| 100% | 102% | 102% | 102% | 101% | 101% | 100% | 100% | 99%  | 98%  | 98%  | 97%  | 96%  | 95%  | 94%  | 93%  | 92%  | 90%  | 88%  | 86%  |

### 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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7523 | 7586 | 6781 | 5975 | 4869 | 3747 | 2865 | 2043 | 1506 | 1122 | 859 | 720 | 612 | 562 | 516 | 487 | 457 | 416 | 375 | 329 |
| 100% | 101% | 90%  | 79%  | 65%  | 50%  | 38%  | 27%  | 20%  | 15%  | 11% | 10% | 8%  | 7%  | 7%  | 6%  | 6%  | 6%  | 5%  | 4%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| <b>20.7°</b>   | <b>38.5°</b>    | <b>68.1°</b>      | <b>91.6%</b>                 | <b>86.3%</b>                |