

**Light efficiency:**

**30 Lumen/Watt**

**Light quality:**

**CRI: 0.0**

**Color temperature:**

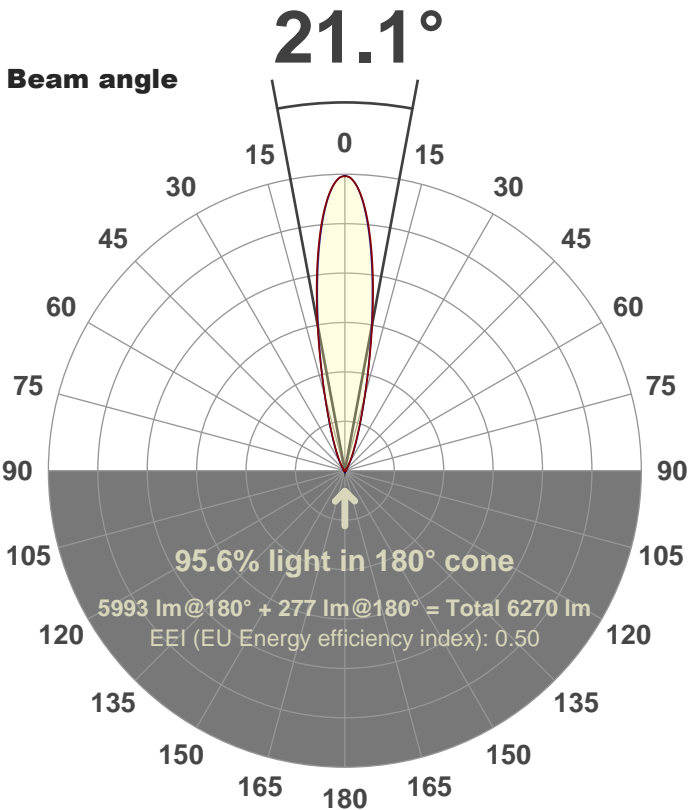
**0 K**

**Output: 5993 lm**

**Peak: 28475 cd**

**Power: 199 W**

**PF: 1.0**



**Product name:**

**FL200-CM-RGBW-IM-20-ELV-SM-GREEN**

**Date and time:**

**27-Aug-18 10:58:28 AM**

**Additional Information:**

**LED: RGBW**

**FIXTURE: FL200**

**FILM: 250274 (20°)**

**COLOR-AMP: ON**

**STABILIZED: YES**

**COLOR (RGBW): GREEN**

**PERFORMED BY: ABDULLAH QURESHI**

**Color**

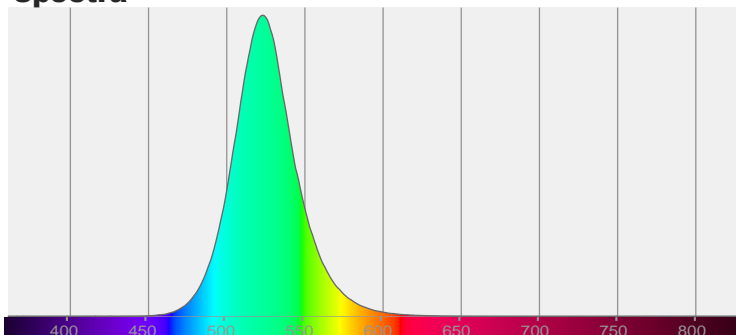


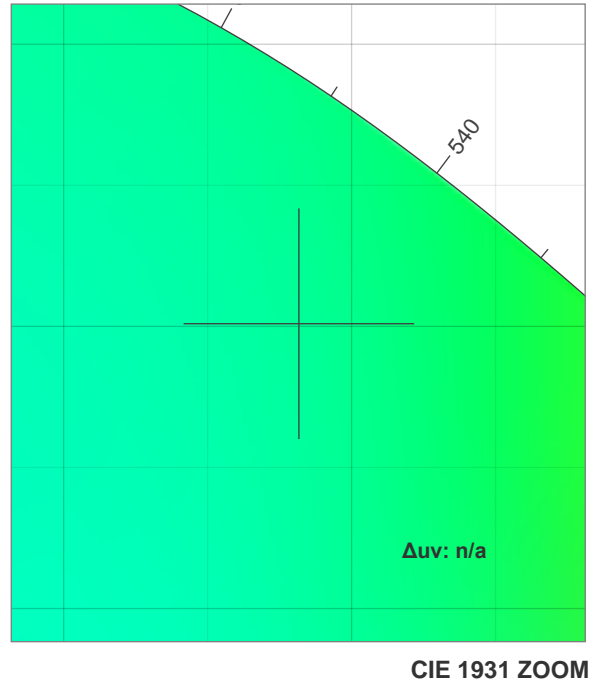
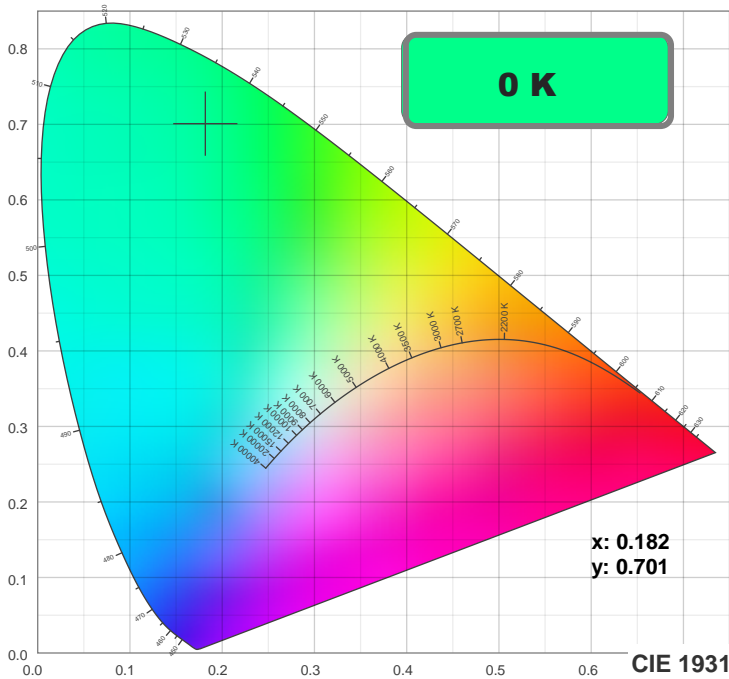
**CIE 1931**

**x: 0.182**

**y: 0.701**

**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 |

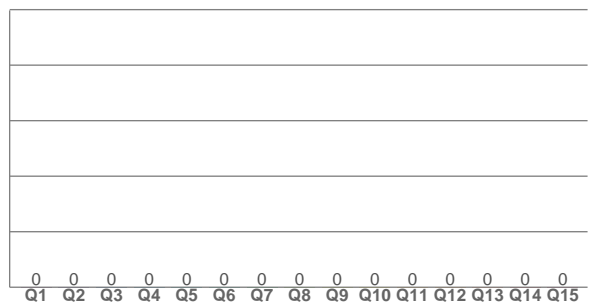
**TM30 C values, 16 binned values out of total of 99 C values**

| 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**

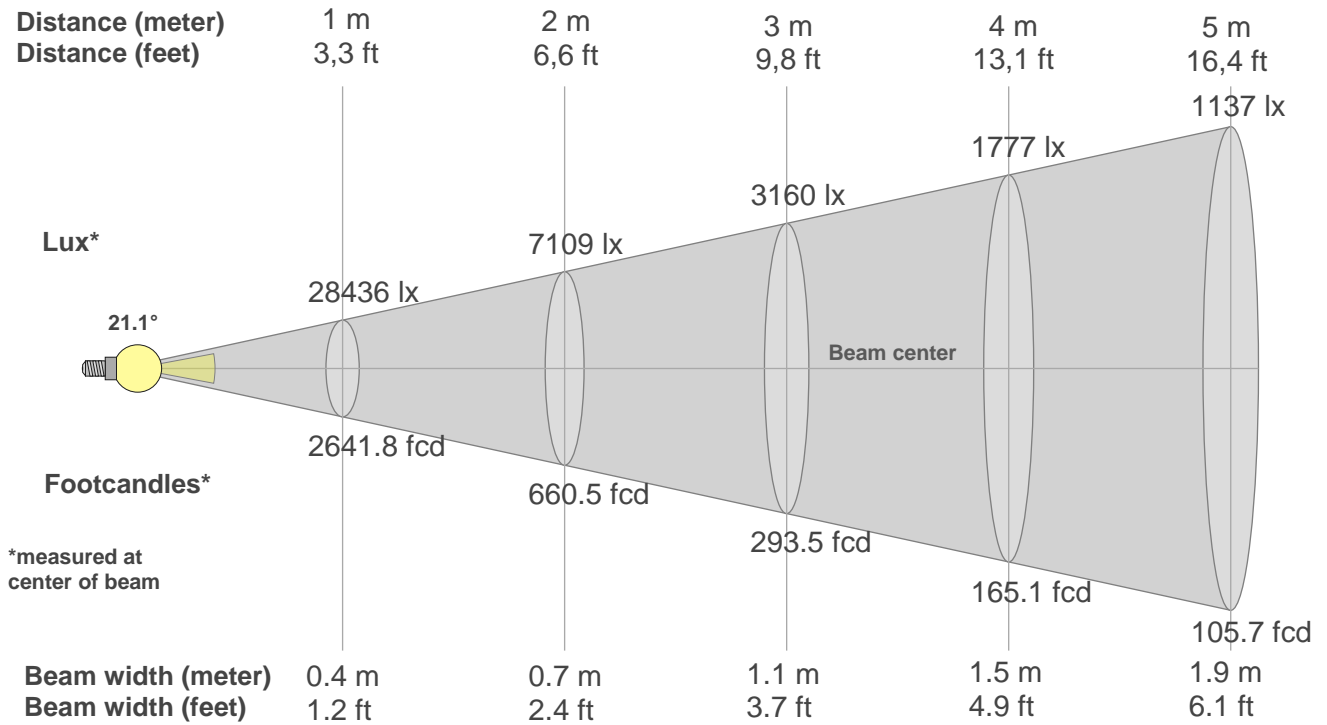
| Q1  | Q2  | Q3  | Q4  | Q5  | Q6  | Q7  | Q8  | Q9  | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**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                | $\Delta uv$                     |
| 0 K               | 0.0                   | 0.0           | 0.0            | 0.0         | 0.0                 | 0.182                     | 0.701                     | 0.066            | 0.381            | 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 |
| 28436lx   | 7109lx   | 3160lx   | 1777lx   | 1137lx   | 790lx   | 580lx   | 444lx   | 351lx   | 284lx   | 235lx   | 197lx   | 168lx   | 145lx   | 126lx   | 111lx   | 98lx   | 88lx   | 79lx   | 71lx   |
| 2641.8fcd | 660.5fcd | 293.5fcd | 165.1fcd | 105.7fcd | 73.4fcd | 53.9fcd | 41.3fcd | 32.6fcd | 26.4fcd | 21.8fcd | 18.3fcd | 15.6fcd | 13.5fcd | 11.7fcd | 10.3fcd | 9.1fcd | 8.2fcd | 7.3fcd | 6.6fcd |

### 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°  |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 28.4K | 27.8K | 25.9K | 23.0K | 19.4K | 15.5K | 11.8K | 8.7K | 6.3K | 4.6K | 3.4K | 2.6K | 2.0K | 1.5K | 1.2K | 0.9K | 0.7K | 0.5K | 0.4K | 0.4K |
| 100%  | 98%   | 91%   | 81%   | 68%   | 54%   | 42%   | 31%  | 22%  | 16%  | 12%  | 9%   | 7%   | 5%   | 4%   | 3%   | 2%   | 2%   | 2%   | 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°  |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 28.4K | 27.8K | 25.8K | 22.7K | 19.0K | 15.1K | 11.6K | 8.6K | 6.4K | 4.7K | 3.6K | 2.7K | 2.1K | 1.6K | 1.2K | 0.9K | 0.7K | 0.6K | 0.5K | 0.4K |
| 100%  | 98%   | 91%   | 80%   | 67%   | 53%   | 41%   | 30%  | 22%  | 17%  | 13%  | 10%  | 7%   | 6%   | 4%   | 3%   | 3%   | 2%   | 2%   | 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°  |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 28.4K | 27.8K | 25.9K | 23.0K | 19.4K | 15.5K | 11.8K | 8.7K | 6.3K | 4.6K | 3.4K | 2.6K | 2.0K | 1.5K | 1.2K | 0.9K | 0.7K | 0.5K | 0.4K | 0.4K |
| 100%  | 98%   | 91%   | 81%   | 68%   | 54%   | 42%   | 31%  | 22%  | 16%  | 12%  | 9%   | 7%   | 5%   | 4%   | 3%   | 2%   | 2%   | 2%   | 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°  |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 28.4K | 27.8K | 25.8K | 22.7K | 19.0K | 15.1K | 11.6K | 8.6K | 6.4K | 4.7K | 3.6K | 2.7K | 2.1K | 1.6K | 1.2K | 0.9K | 0.7K | 0.6K | 0.5K | 0.4K |
| 100%  | 98%   | 91%   | 80%   | 67%   | 53%   | 41%   | 30%  | 22%  | 17%  | 13%  | 10%  | 7%   | 6%   | 4%   | 3%   | 3%   | 2%   | 2%   | 1%   |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 21.1°          | 42.6°           | 63.5°             | 89.8%                        | 85.8%                       |