

Par Z Move RGBW



Light Efficiency:

25 Lumen/Watt

Light Quality:

CRI: 70.0

Color Temperature:

7090 K

Output: 2938 lm

Peak: 7847 cd

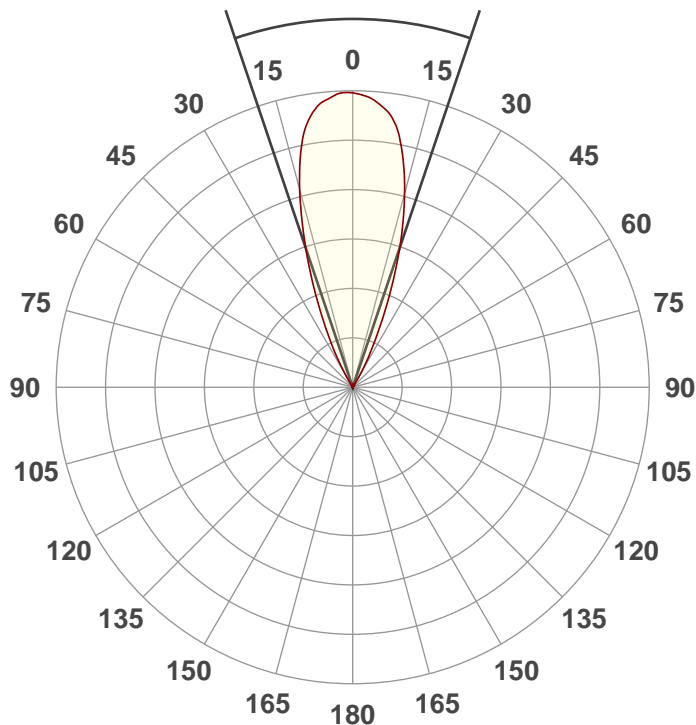
Power: 118.7 W

PF: 0.97



Beam Angle

37.3°



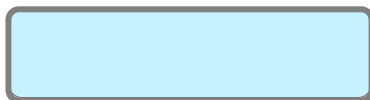
Test:

Zoom Out White

Date:

8/28/2019

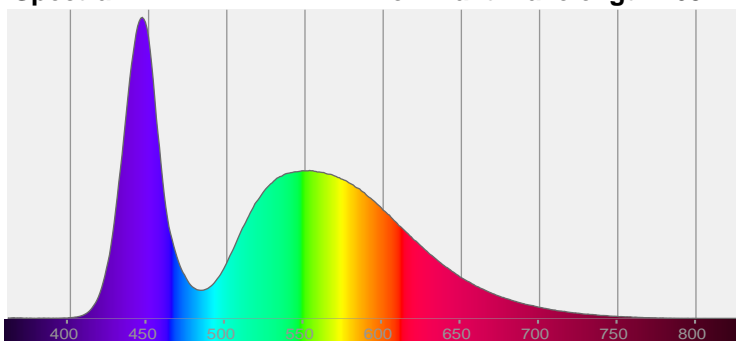
Note:



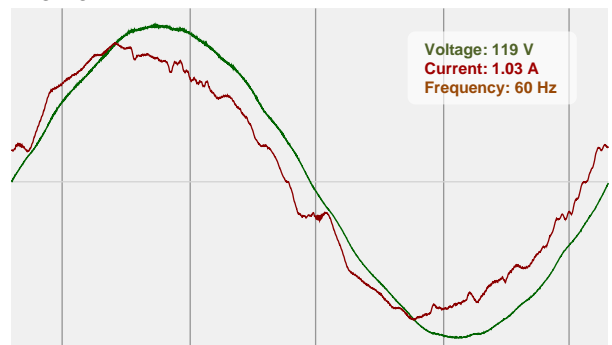
CIE 1931
x: 0.305
y: 0.316

Spectra

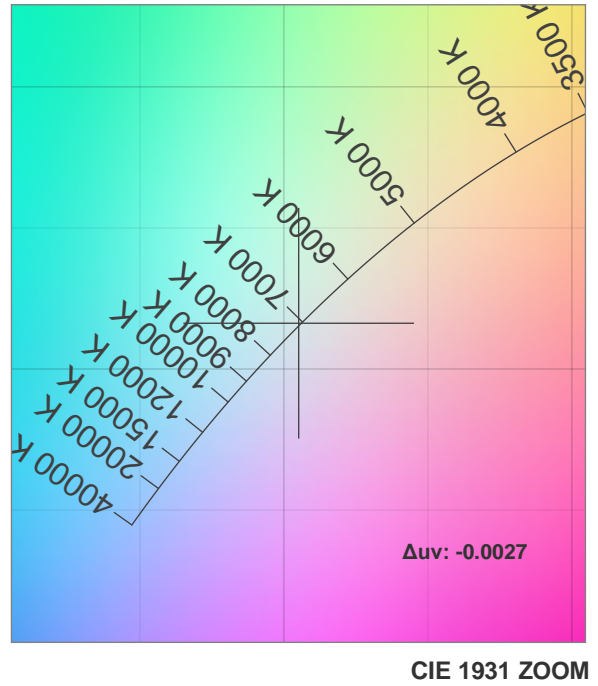
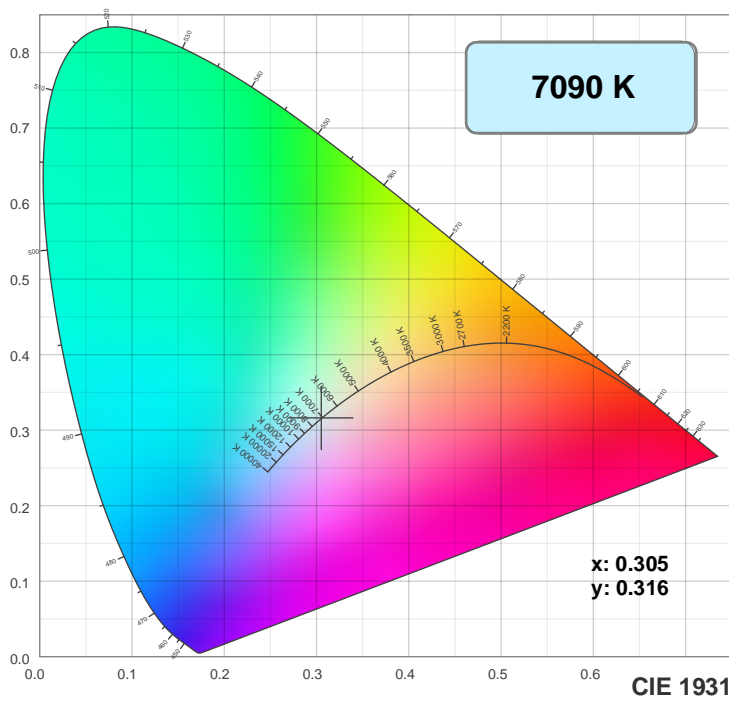
Dominant Wavelength: 463nm



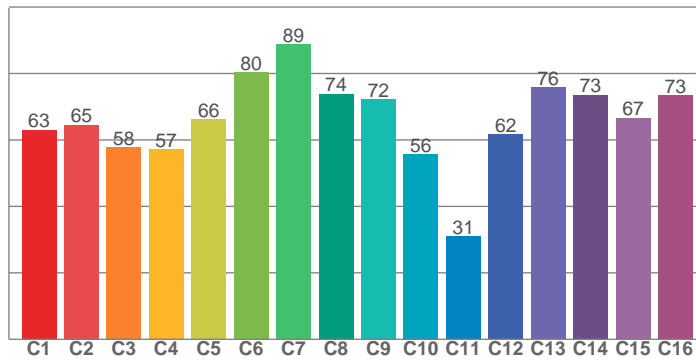
Power



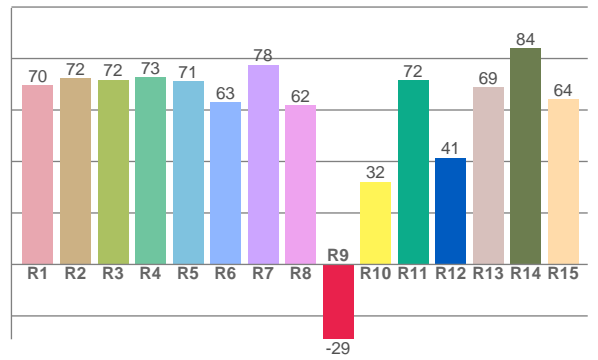
Color Details



TM30: 66.0



CRI: 70.0 (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 |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 69.6 | 72.2 | 71.8 | 72.7 | 71.1 | 63.1 | 77.6 | 61.9 | -29.1 | 32.1 | 71.7 | 41.4 | 68.9 | 84.0 | 64.3 |

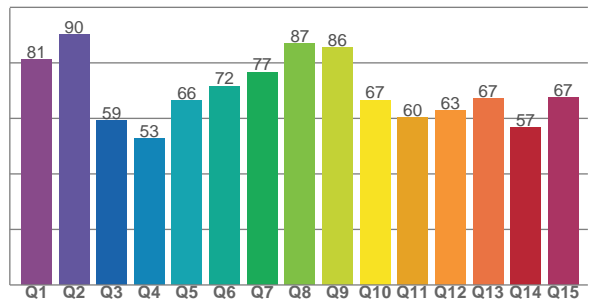
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 63.0 | 64.6 | 57.7 | 57.1 | 66.1 | 80.3 | 88.7 | 73.8 | 72.2 | 55.7 | 30.9 | 61.7 | 75.8 | 73.5 | 66.7 | 73.4 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81.2 | 90.2 | 59.2 | 52.7 | 66.3 | 71.7 | 76.6 | 86.9 | 85.5 | 66.5 | 60.2 | 62.8 | 67.1 | 56.7 | 67.4 |

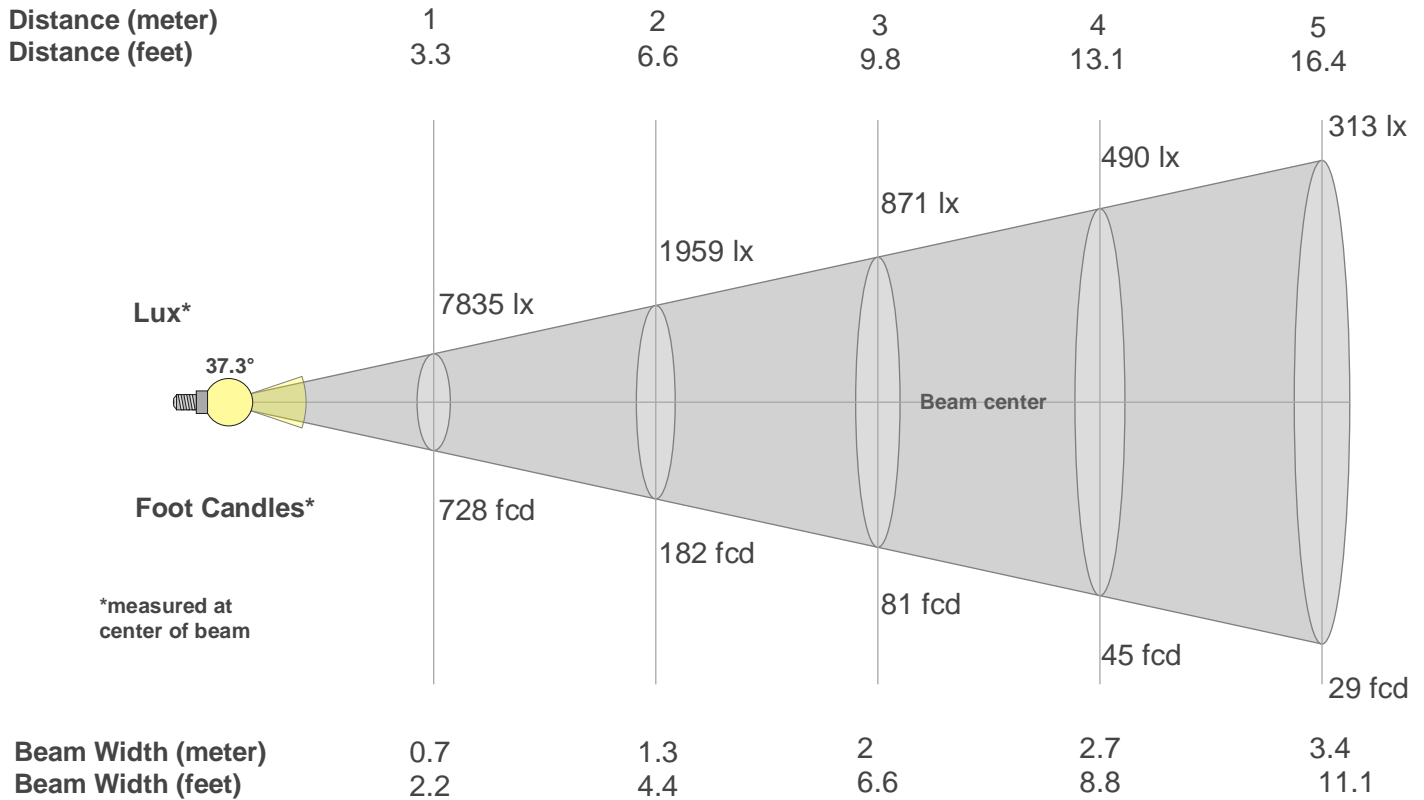
CQS: 68.0



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 |
| 7090 K | 70.0 | -29.1 | 66.0 | 94.5 | 68.0 | 0.305 | 0.316 | 0.197 | 0.307 | -0.0027 |

Beam Details



Beam Intensities from 1-20m

| m | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ft | 3.3 | 6.6 | 9.8 | 13.1 | 16.4 | 19.7 | 23 | 26.2 | 29.5 | 32.8 | 36.1 | 39.4 | 42.7 | 45.9 | 49.2 | 52.5 | 55.8 | 59.1 | 62.3 | 65.6 |
| lx | 7835 | 1959 | 871 | 490 | 313 | 218 | 160 | 122 | 97 | 78 | 65 | 54 | 46 | 40 | 35 | 31 | 27 | 24 | 22 | 20 |
| fcd | 727.9 | 182 | 80.9 | 45.5 | 29.1 | 20.2 | 14.9 | 11.4 | 9 | 7.3 | 6 | 5.1 | 4.3 | 3.7 | 3.2 | 2.8 | 2.5 | 2.2 | 2 | 1.8 |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 7835 | 7840 | 7756 | 7632 | 7416 | 7068 | 6538 | 5838 | 5031 | 4186 | 3362 | 2578 | 1879 | 1302 | 824 | 386 | 106 | 23 | 5 | 1 |
| 100% | 100% | 99% | 97% | 95% | 90% | 83% | 75% | 64% | 53% | 43% | 33% | 24% | 17% | 11% | 5% | 1% | 0% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 7835 | 7840 | 7756 | 7632 | 7416 | 7068 | 6538 | 5838 | 5031 | 4186 | 3362 | 2578 | 1879 | 1302 | 824 | 386 | 106 | 23 | 5 | 1 |
| 100% | 100% | 99% | 97% | 95% | 90% | 83% | 75% | 64% | 53% | 43% | 33% | 24% | 17% | 11% | 5% | 1% | 0% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 7835 | 7780 | 7682 | 7513 | 7296 | 6927 | 6361 | 5702 | 4959 | 4179 | 3356 | 2563 | 1844 | 1266 | 835 | 462 | 174 | 43 | 11 | 2 |
| 100% | 99% | 98% | 96% | 93% | 88% | 81% | 73% | 63% | 53% | 43% | 33% | 24% | 16% | 11% | 6% | 2% | 1% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 7835 | 7780 | 7682 | 7513 | 7296 | 6927 | 6361 | 5702 | 4959 | 4179 | 3356 | 2563 | 1844 | 1266 | 835 | 462 | 174 | 43 | 11 | 2 |
| 100% | 99% | 98% | 96% | 93% | 88% | 81% | 73% | 63% | 53% | 43% | 33% | 24% | 16% | 11% | 6% | 2% | 1% | 0% | 0% |

| Beam Angle 50% | Field Angle 10% | Cutoff Angle 2,5% | Intensity Ratio in 120° Cone | Intensity Ratio in 90° Cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 37.3° | 56.4° | 63° | 99.9% | 99.9% |