

FL200-RGBW40K-OM-60-ELV (ALL ON)

PRODUCT PHOTOMETRIC REPORT



PRODUCT INFORMATION

SERIAL NUMBER: LL-20191015-882

DATE OF MEASUREMENT: 2019-10-15

SIZE (dia. x h): 430 mm x 85 mm

ANGULAR DISTRIBUTION AT C0/180

ANGULAR DISTRIBUTION AT C90/270

LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 10289 lm

EFFICACY: 52 lm/W

PEAK INTENSITY: 10512 cd

COLOR RENDERING INDEX (CRI): 52.2

COLOR TEMPERATURE (CCT): 11588K

FIDELITY INDEX (TM30Rf): 67.5

GAMUT INDEX (TM30Rg): 107.5

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) | C0/180: 55.6°

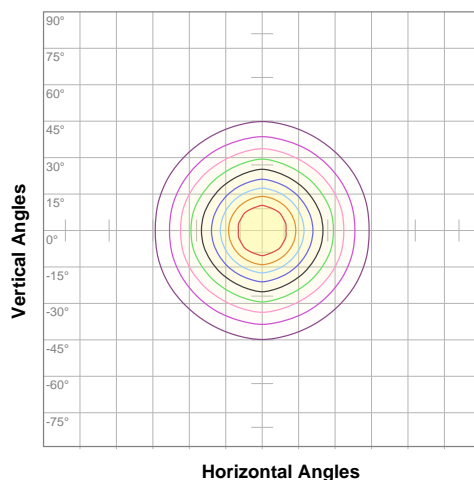
BEAM ANGLE (FWHM) | C90/270: 56°

FIELD ANGLE (10%) | C0/180: 98°

FIELD ANGLE (10%) | C90/270: 99.7°

NUMBER OF PLANES MEASURED: 12

ISOCANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 1049 cd |
| 20% | 2099 cd |
| 30% | 3148 cd |
| 40% | 4197 cd |
| 50% | 5246 cd |
| 60% | 6296 cd |
| 70% | 7345 cd |
| 80% | 8394 cd |
| 90% | 9444 cd |

INPUT POWER: 197.5 W

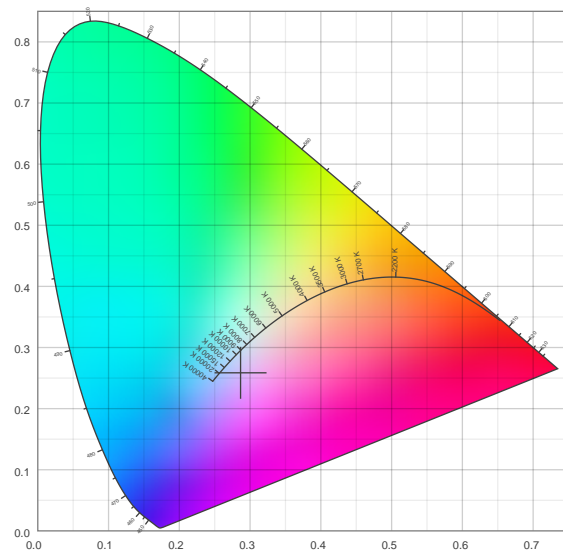
POWER FACTOR: 1.0

OPTICAL POWER: 44.7 mW

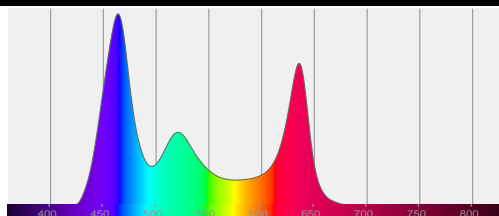
PEAK WAVELENGTH: 465 nm

DOMINANT WAVELENGTH: 360 nm

CIE 1931



SPECTRAL DISTRIBUTION

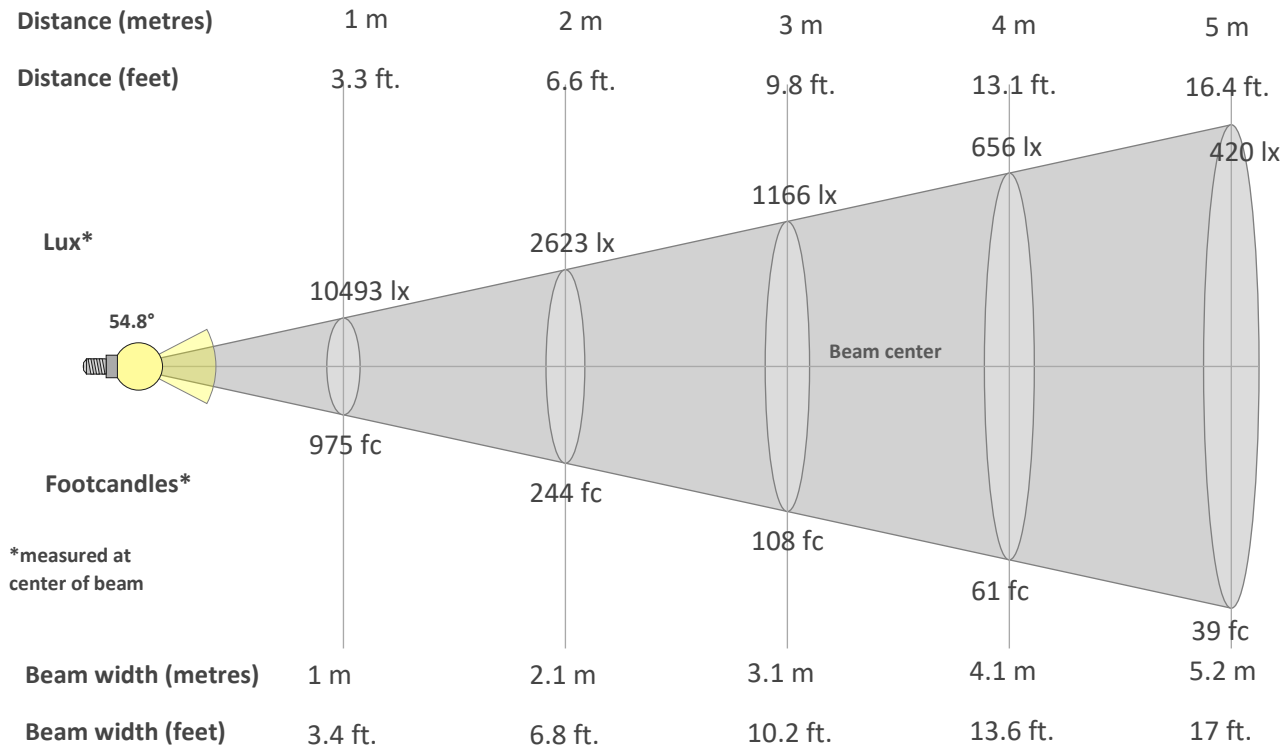


CIE 1931 ZOOM



x: 0.287
y: 0.259
u: 0.207
v: 0.281
 $\Delta u v: -0.0237$

BEAM DETAILS



Beam intensity 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 |
| 10493lx | 2623lx | 1166lx | 656lx | 420lx | 291lx | 214lx | 164lx | 130lx | 105lx | 87lx | 73lx | 62lx | 54lx | 47lx | 41lx | 36lx | 32lx | 29lx | 26lx |
| 974.8fc | 243.7fc | 108.3fc | 60.9fc | 39fc | 27.1fc | 19.9fc | 15.2fc | 12fc | 9.7fc | 8.1fc | 6.8fc | 5.8fc | 5fc | 4.3fc | 3.8fc | 3.4fc | 3fc | 2.7fc | 2.4fc |

Intensity in 0° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.5K | 10.4K | 10.3K | 10.1K | 9.9K | 9.6K | 9.2K | 8.7K | 8.2K | 7.7K | 7.1K | 6.6K | 6.1K | 5.6K | 5.2K | 4.8K | 4.3K | 3.9K | 3.4K | 3.0K |
| 100% | 100% | 98% | 97% | 94% | 91% | 88% | 83% | 78% | 73% | 68% | 63% | 58% | 54% | 50% | 45% | 41% | 37% | 33% | 29% |

Intensity in 90° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.5K | 10.5K | 10.4K | 10.2K | 10.0K | 9.7K | 9.3K | 8.8K | 8.3K | 7.7K | 7.2K | 6.7K | 6.2K | 5.7K | 5.2K | 4.8K | 4.3K | 3.9K | 3.5K | 3.0K |
| 100% | 100% | 99% | 98% | 95% | 92% | 89% | 84% | 79% | 74% | 68% | 63% | 59% | 54% | 50% | 46% | 41% | 37% | 33% | 29% |

Intensity in 180° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.5K | 10.4K | 10.3K | 10.1K | 9.9K | 9.6K | 9.2K | 8.7K | 8.2K | 7.7K | 7.1K | 6.6K | 6.1K | 5.6K | 5.2K | 4.8K | 4.3K | 3.9K | 3.4K | 3.0K |
| 100% | 100% | 98% | 97% | 94% | 91% | 88% | 83% | 78% | 73% | 68% | 63% | 58% | 54% | 50% | 45% | 41% | 37% | 33% | 29% |

Intensity in 270° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.5K | 10.5K | 10.4K | 10.2K | 10.0K | 9.7K | 9.3K | 8.8K | 8.3K | 7.7K | 7.2K | 6.7K | 6.2K | 5.7K | 5.2K | 4.8K | 4.3K | 3.9K | 3.5K | 3.0K |
| 100% | 100% | 99% | 98% | 95% | 92% | 89% | 84% | 79% | 74% | 68% | 63% | 59% | 54% | 50% | 46% | 41% | 37% | 33% | 29% |