

FL200-RGBW40K-OM-20-ELV (BL)

PRODUCT PHOTOMETRIC REPORT



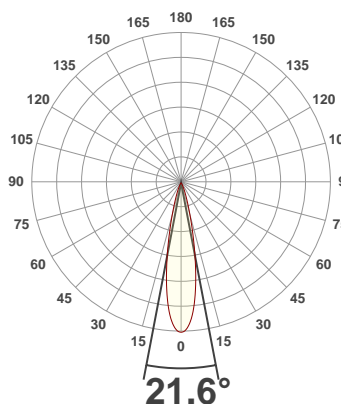
PRODUCT INFORMATION

SERIAL NUMBER: LL-20191011-858

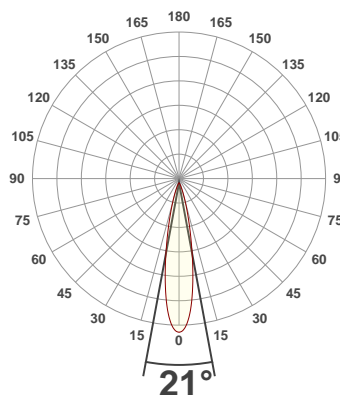
DATE OF MEASUREMENT: 2019-10-11

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

ANGULAR DISTRIBUTION AT C0/180



ANGULAR DISTRIBUTION AT C90/270



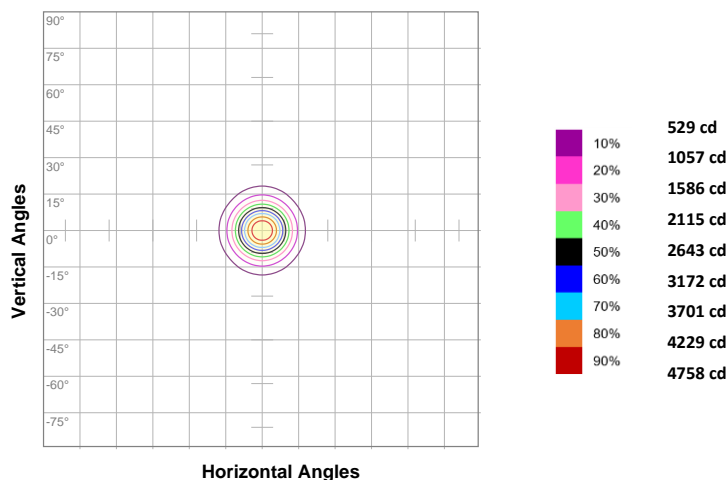
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 934 lm
EFFICACY: 17 lm/W
PEAK INTENSITY: 5289 cd
COLOR RENDERING INDEX (CRI): 0.0
COLOR TEMPERATURE (CCT): 0K
FIDELITY INDEX (TM30Rf): 0.0
GAMUT INDEX (TM30Rg): 0.0

BEAM OUTPUT DATA

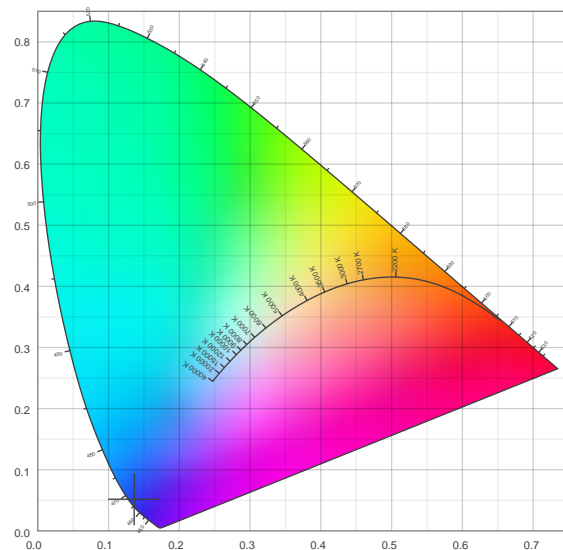
BEAM ANGLE (FWHM) | C0/180: 21.6°
BEAM ANGLE (FWHM) | C90/270: 21°
FIELD ANGLE (10%) | C0/180: 39.9°
FIELD ANGLE (10%) | C90/270: 40.8°
NUMBER OF PLANES MEASURED: 12

ISOCANDELA DIAGRAM

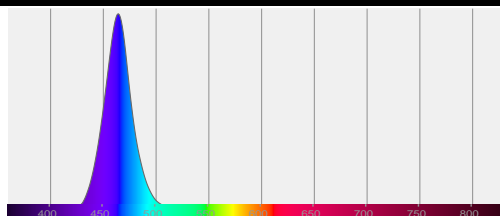


INPUT POWER: 54.4 W
POWER FACTOR: 1.0
OPTICAL POWER: 15.1 mW
PEAK WAVELENGTH: 465 nm
DOMINANT WAVELENGTH: 467 nm

CIE 1931



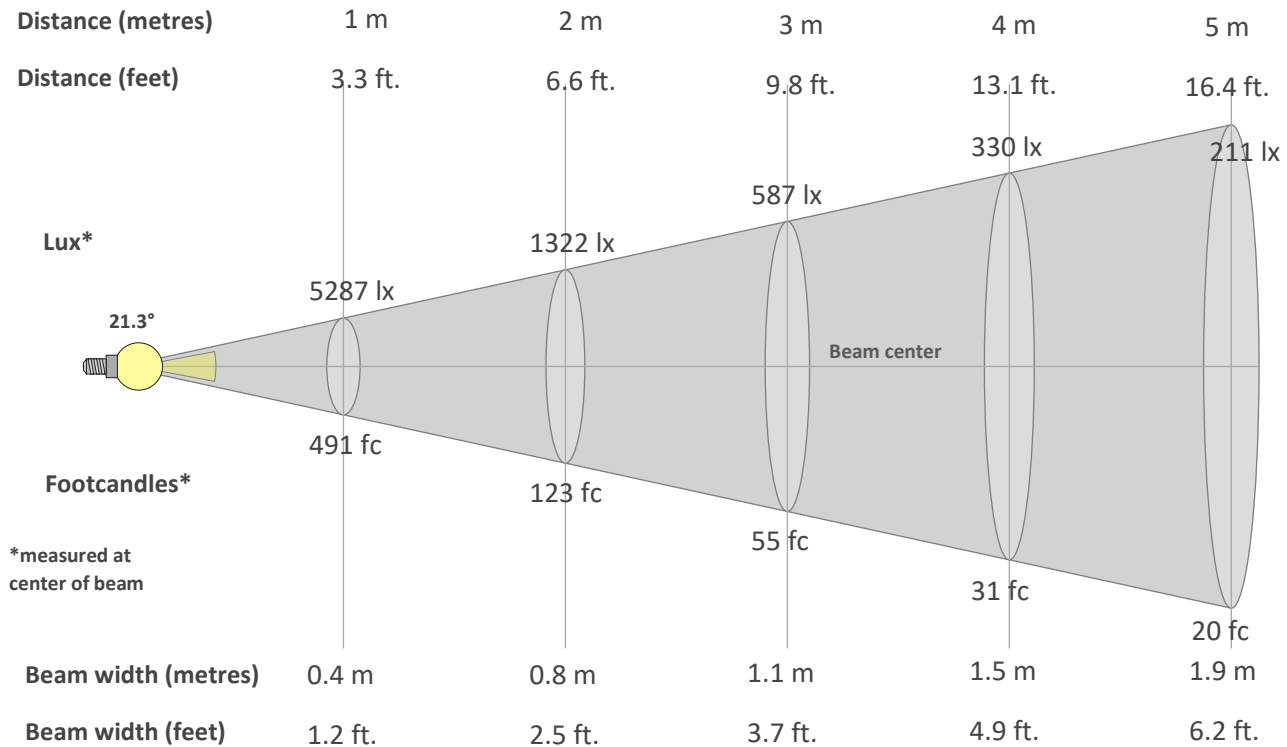
SPECTRAL DISTRIBUTION



CIE 1931 ZOOM

x: 0.136
y: 0.052
u: 0.163
v: 0.093
 Δuv : n/a

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 |
| 5287lx | 1322lx | 587lx | 330lx | 211lx | 147lx | 108lx | 83lx | 65lx | 53lx | 44lx | 37lx | 31lx | 27lx | 23lx | 21lx | 18lx | 16lx | 15lx | 13lx |
| 491.1fc | 122.8fc | 54.6fc | 30.7fc | 19.6fc | 13.6fc | 10fc | 7.7fc | 6.1fc | 4.9fc | 4.1fc | 3.4fc | 2.9fc | 2.5fc | 2.2fc | 1.9fc | 1.7fc | 1.5fc | 1.4fc | 1.2fc |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5287 | 5183 | 4878 | 4374 | 3700 | 2941 | 2205 | 1571 | 1087 | 751 | 523 | 374 | 269 | 196 | 141 | 102 | 76 | 57 | 45 | 36 |
| 100% | 98% | 92% | 83% | 70% | 56% | 42% | 30% | 21% | 14% | 10% | 7% | 5% | 4% | 3% | 2% | 1% | 1% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5287 | 5176 | 4840 | 4292 | 3580 | 2826 | 2130 | 1558 | 1117 | 794 | 564 | 400 | 282 | 199 | 140 | 100 | 75 | 58 | 46 | 37 |
| 100% | 98% | 92% | 81% | 68% | 53% | 40% | 29% | 21% | 15% | 11% | 8% | 5% | 4% | 3% | 2% | 1% | 1% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5287 | 5183 | 4878 | 4374 | 3700 | 2941 | 2205 | 1571 | 1087 | 751 | 523 | 374 | 269 | 196 | 141 | 102 | 76 | 57 | 45 | 36 |
| 100% | 98% | 92% | 83% | 70% | 56% | 42% | 30% | 21% | 14% | 10% | 7% | 5% | 4% | 3% | 2% | 1% | 1% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5287 | 5176 | 4840 | 4292 | 3580 | 2826 | 2130 | 1558 | 1117 | 794 | 564 | 400 | 282 | 199 | 140 | 100 | 75 | 58 | 46 | 37 |
| 100% | 98% | 92% | 81% | 68% | 53% | 40% | 29% | 21% | 15% | 11% | 8% | 5% | 4% | 3% | 2% | 1% | 1% | 1% | 1% |