

# FL200-RGBW40K-OM-30x60-ELV (ALL ON)

## PRODUCT PHOTOMETRIC REPORT



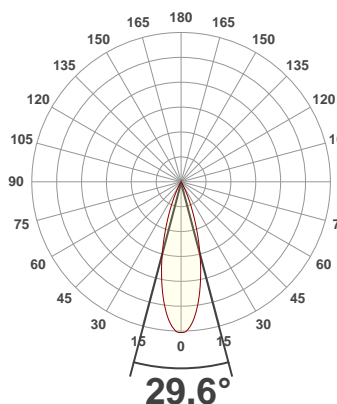
### PRODUCT INFORMATION

SERIAL NUMBER: LL-20190930-774

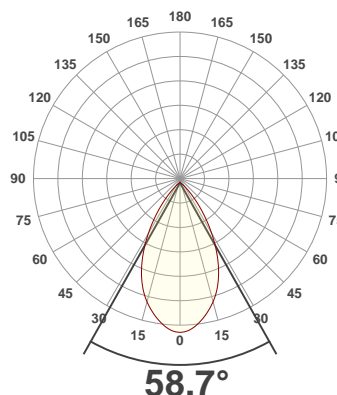
DATE OF MEASUREMENT: 2019-09-30

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

### ANGULAR DISTRIBUTION AT C0/180



### ANGULAR DISTRIBUTION AT C90/270



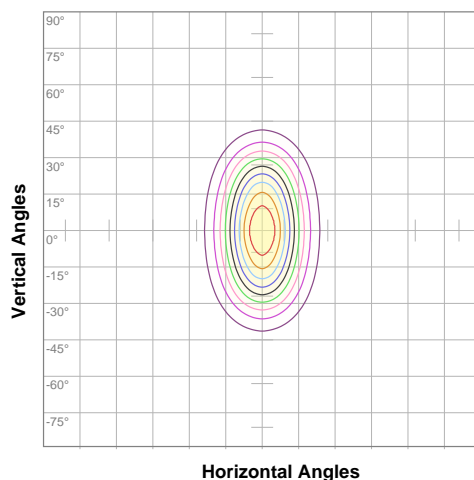
### LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 9463 lm  
EFFICACY: 48 lm/W  
PEAK INTENSITY: 17257 cd  
COLOR RENDERING INDEX (CRI): 56.3  
COLOR TEMPERATURE (CCT): 12472K  
FIDELITY INDEX (TM30Rf): 68.0  
GAMUT INDEX (TM30Rg): 105.0

### BEAM OUTPUT DATA

BEAM ANGLE (FWHM) | C0/180: 29.6°  
BEAM ANGLE (FWHM) | C90/270: 58.7°  
FIELD ANGLE (10%) | C0/180: 52.9°  
FIELD ANGLE (10%) | C90/270: 92°  
NUMBER OF PLANES MEASURED: 36

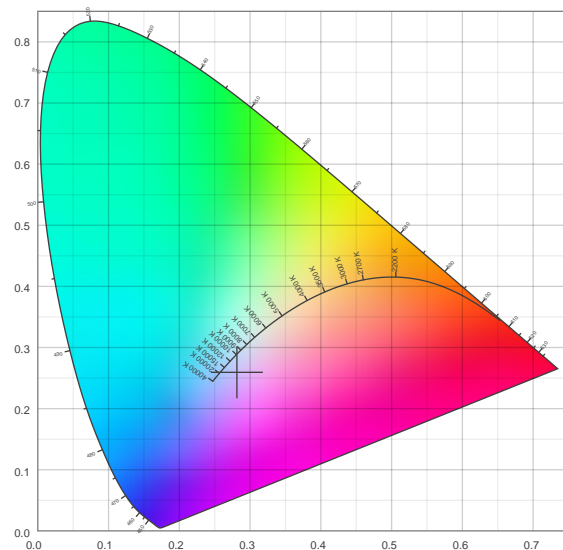
### ISOCANDELA DIAGRAM



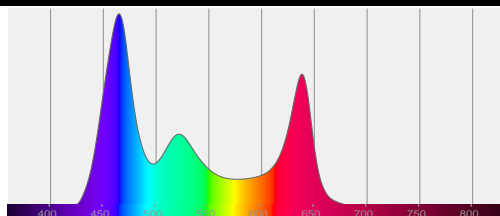
10% 1723 cd  
20% 3446 cd  
30% 5168 cd  
40% 6891 cd  
50% 8614 cd  
60% 10337 cd  
70% 12060 cd  
80% 13782 cd  
90% 15505 cd

INPUT POWER: 198.1 W  
POWER FACTOR: 1.0  
OPTICAL POWER: 41.4 mW  
PEAK WAVELENGTH: 466 nm  
DOMINANT WAVELENGTH: 432 nm

### CIE 1931

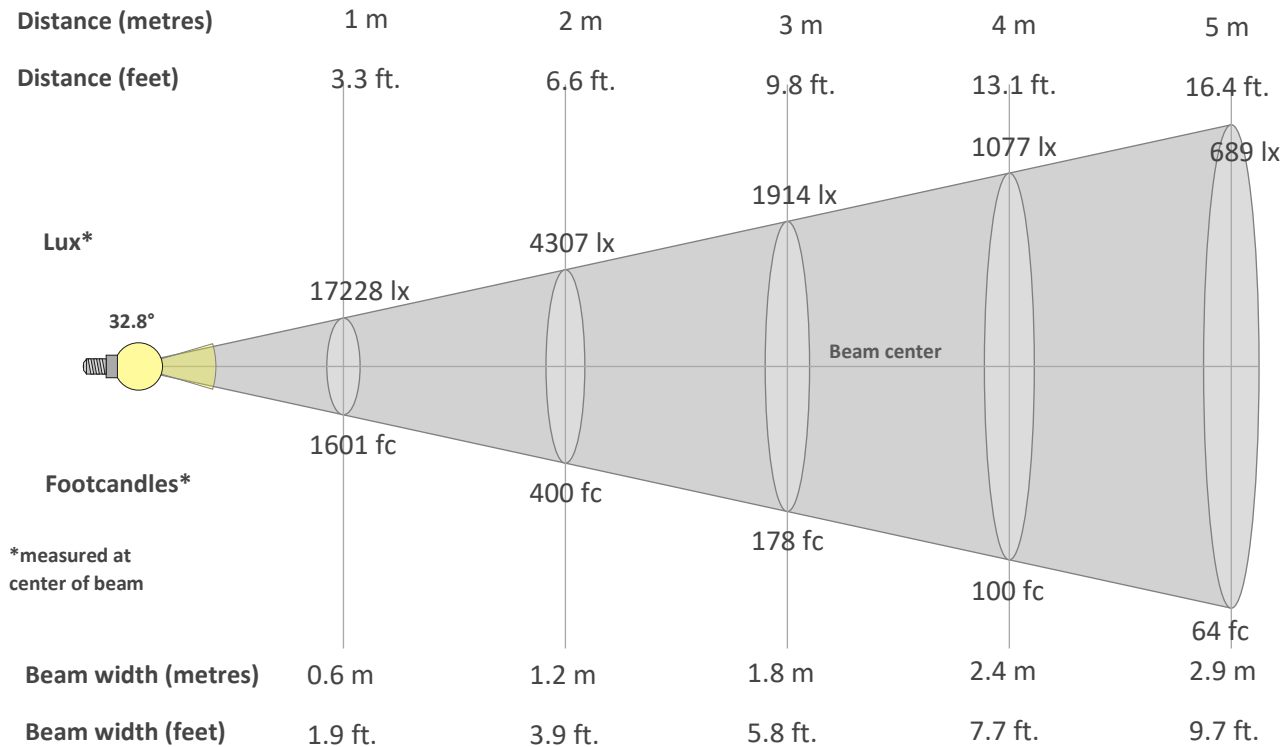


### SPECTRAL DISTRIBUTION



### CIE 1931 ZOOM

x: 0.281  
y: 0.259  
u: 0.203  
v: 0.280  
 $\Delta u v: -0.0197$

**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
17228lx	4307lx	1914lx	1077lx	689lx	479lx	352lx	269lx	213lx	172lx	142lx	120lx	102lx	88lx	77lx	67lx	60lx	53lx	48lx	43lx
1600.5fc	400.1fc	177.8fc	100fc	64fc	44.5fc	32.7fc	25fc	19.8fc	16fc	13.2fc	11.1fc	9.5fc	8.2fc	7.1fc	6.3fc	5.5fc	4.9fc	4.4fc	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°
17.2K	17.0K	16.3K	15.3K	14.0K	12.5K	10.9K	9.2K	7.6K	6.1K	4.7K	3.5K	2.6K	1.8K	1.3K	0.9K	0.7K	0.6K	0.4K	0.4K
100%	99%	95%	89%	81%	72%	63%	53%	44%	35%	27%	21%	15%	11%	8%	5%	4%	3%	3%	2%

**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°
17.2K	17.2K	17.0K	16.7K	16.3K	15.8K	15.3K	14.8K	14.2K	13.6K	12.9K	12.1K	11.2K	10.3K	9.3K	8.3K	7.3K	6.3K	5.3K	4.4K
100%	100%	99%	97%	94%	92%	89%	86%	83%	79%	75%	70%	65%	60%	54%	48%	42%	37%	31%	26%

**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°
17.2K	17.0K	16.3K	15.3K	14.0K	12.5K	10.9K	9.2K	7.6K	6.1K	4.7K	3.5K	2.6K	1.8K	1.3K	0.9K	0.7K	0.6K	0.4K	0.4K
100%	99%	95%	89%	81%	72%	63%	53%	44%	35%	27%	21%	15%	11%	8%	5%	4%	3%	3%	2%

**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°
17.2K	17.2K	17.0K	16.7K	16.3K	15.8K	15.3K	14.8K	14.2K	13.6K	12.9K	12.1K	11.2K	10.3K	9.3K	8.3K	7.3K	6.3K	5.3K	4.4K
100%	100%	99%	97%	94%	92%	89%	86%	83%	79%	75%	70%	65%	60%	54%	48%	42%	37%	31%	26%