

# FL200-RGBW40K-OM-10x40-ELV (RD)

## PRODUCT PHOTOMETRIC REPORT



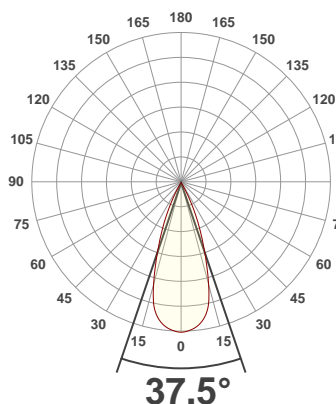
### PRODUCT INFORMATION

SERIAL NUMBER: LL-20191017-896

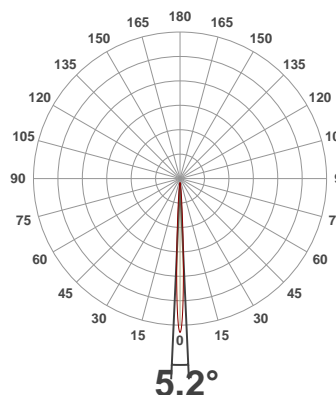
DATE OF MEASUREMENT: 2019-10-17

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

### ANGULAR DISTRIBUTION AT C0/180



### ANGULAR DISTRIBUTION AT C90/270



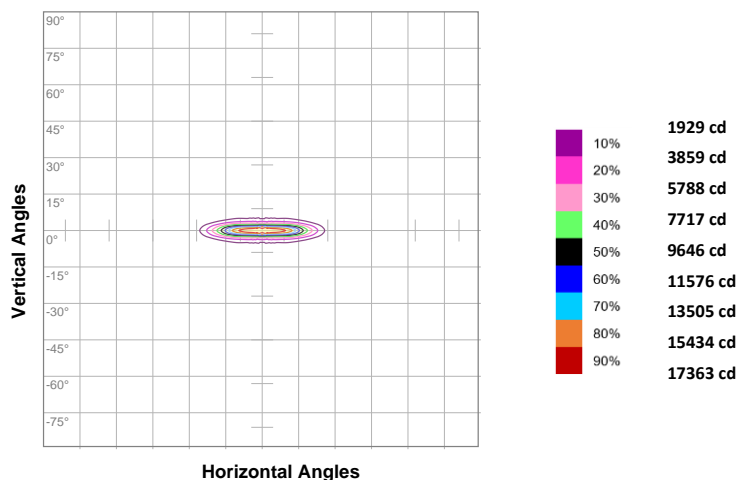
### LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 1510 lm  
EFFICACY: 47 lm/W  
PEAK INTENSITY: 19308 cd  
COLOR RENDERING INDEX (CRI): 0.0  
COLOR TEMPERATURE (CCT): 0K  
FIDELITY INDEX (TM30Rf): 0.0  
GAMUT INDEX (TM30Rg): 0.0

### BEAM OUTPUT DATA

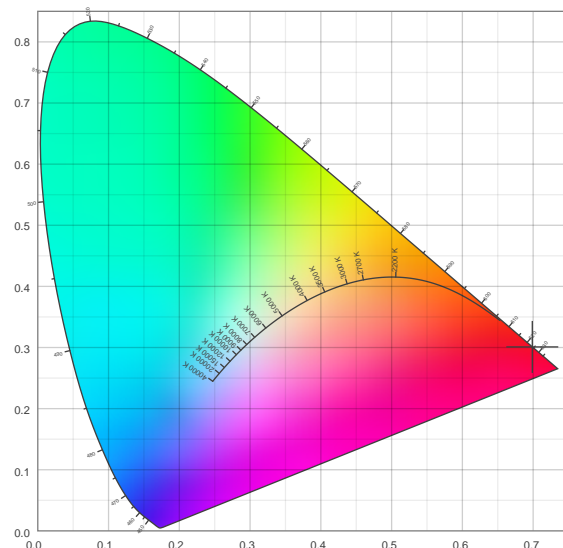
BEAM ANGLE (FWHM) | C0/180: 37.5°  
BEAM ANGLE (FWHM) | C90/270: 5.2°  
FIELD ANGLE (10%) | C0/180: 57.1°  
FIELD ANGLE (10%) | C90/270: 11.6°  
NUMBER OF PLANES MEASURED: 36

### ISOCANDELA DIAGRAM

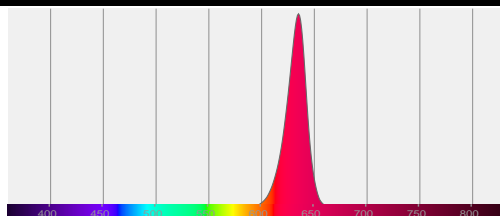


INPUT POWER: 32.1 W  
POWER FACTOR: 1.0  
OPTICAL POWER: 8.38 mW  
PEAK WAVELENGTH: 635 nm  
DOMINANT WAVELENGTH: 624 nm

### CIE 1931

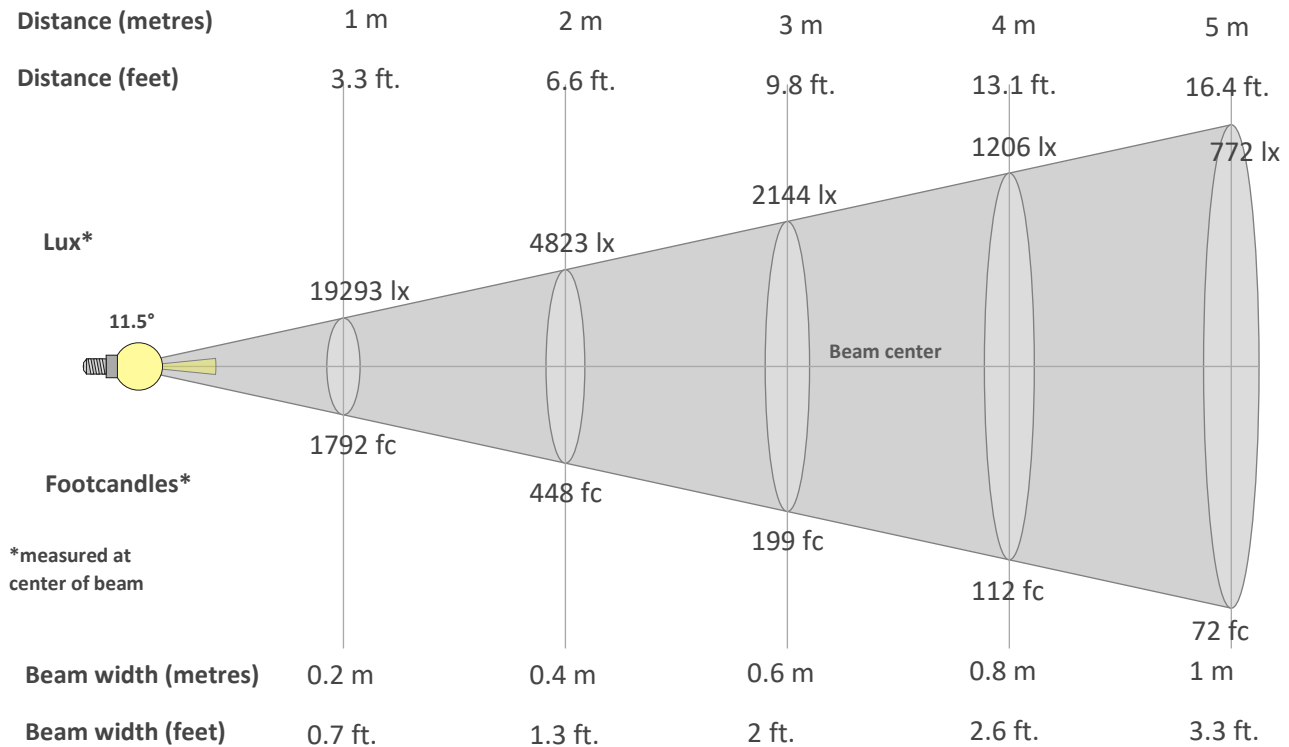


### SPECTRAL DISTRIBUTION



### CIE 1931 ZOOM

x: 0.699  
y: 0.301  
u: 0.536  
v: 0.346  
 $\Delta uv$ : 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
19293lx	4823lx	2144lx	1206lx	772lx	536lx	394lx	301lx	238lx	193lx	159lx	134lx	114lx	98lx	86lx	75lx	67lx	60lx	53lx	48lx
1792.4fc	448.1fc	199.2fc	112fc	71.7fc	49.8fc	36.6fc	28fc	22.1fc	17.9fc	14.8fc	12.4fc	10.6fc	9.1fc	8fc	7fc	6.2fc	5.5fc	5fc	4.5fc

**Intensity in 0° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.3K	19.3K	19.2K	19.1K	19.0K	18.9K	18.7K	18.5K	18.3K	18.0K	17.6K	17.2K	16.6K	15.9K	15.0K	13.9K	12.7K	11.6K	10.5K	9.4K
100%	100%	100%	99%	99%	98%	97%	96%	95%	93%	91%	89%	86%	82%	78%	72%	66%	60%	54%	49%

**Intensity in 90° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.3K	17.4K	12.7K	7.8K	4.5K	2.7K	1.8K	1.2K	0.8K	0.6K	0.5K	0.3K	0.3K	0.2K	0.2K	0.2K	0.1K	0.1K	0.1K	0.1K
100%	90%	66%	40%	23%	14%	9%	6%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%

**Intensity in 180° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.3K	19.3K	19.2K	19.1K	19.0K	18.9K	18.7K	18.5K	18.3K	18.0K	17.6K	17.2K	16.6K	15.9K	15.0K	13.9K	12.7K	11.6K	10.5K	9.4K
100%	100%	100%	99%	99%	98%	97%	96%	95%	93%	91%	89%	86%	82%	78%	72%	66%	60%	54%	49%

**Intensity in 270° c-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.3K	17.4K	12.7K	7.8K	4.5K	2.7K	1.8K	1.2K	0.8K	0.6K	0.5K	0.3K	0.3K	0.2K	0.2K	0.2K	0.1K	0.1K	0.1K	0.1K
100%	90%	66%	40%	23%	14%	9%	6%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%