

FL200-RGBW40K-OM-10x40-ELV (ALL ON)

PRODUCT PHOTOMETRIC REPORT



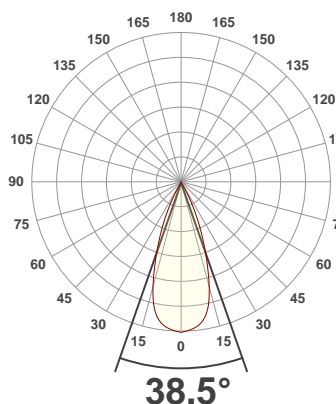
PRODUCT INFORMATION

SERIAL NUMBER: LL-20190927-770

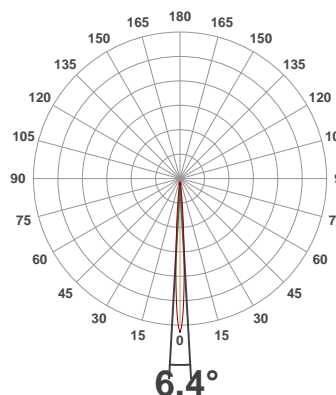
DATE OF MEASUREMENT: 2019-09-27

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

ANGULAR DISTRIBUTION AT C0/180



ANGULAR DISTRIBUTION AT C90/270



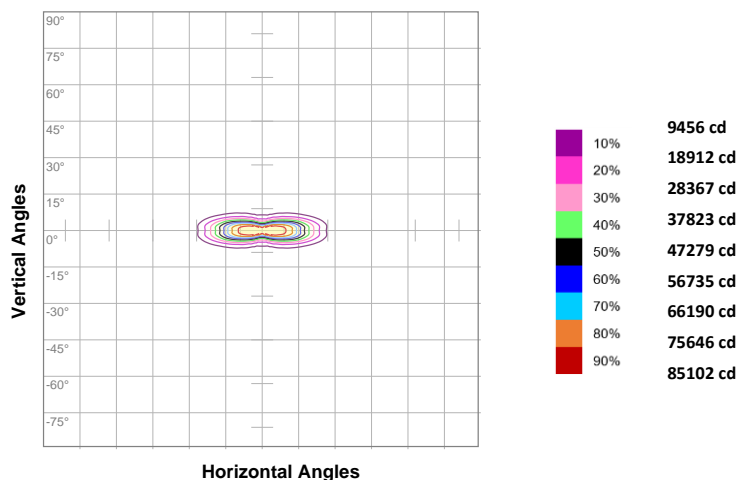
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 11654 lm
 EFFICACY: 59 lm/W
 PEAK INTENSITY: 95646 cd
 COLOR RENDERING INDEX (CRI): 55.6
 COLOR TEMPERATURE (CCT): 12089K
 FIDELITY INDEX (TM30Rf): 67.9
 GAMUT INDEX (TM30Rg): 105.5

BEAM OUTPUT DATA

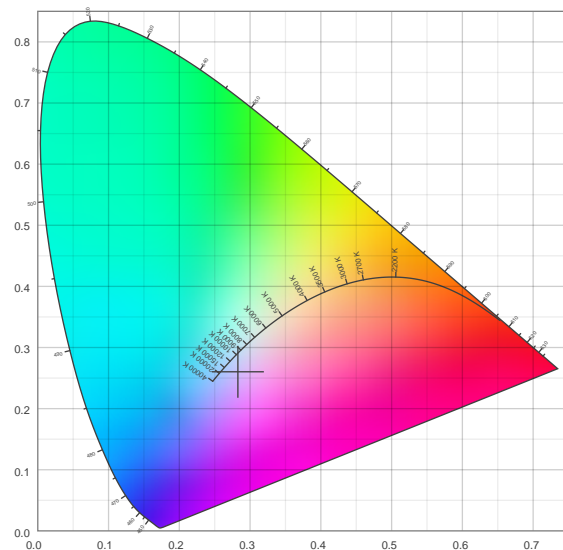
BEAM ANGLE (FWHM) | C0/180: 38.5°
 BEAM ANGLE (FWHM) | C90/270: 6.4°
 FIELD ANGLE (10%) | C0/180: 58.6°
 FIELD ANGLE (10%) | C90/270: 14.4°
 NUMBER OF PLANES MEASURED: 36

ISOCANDELA DIAGRAM

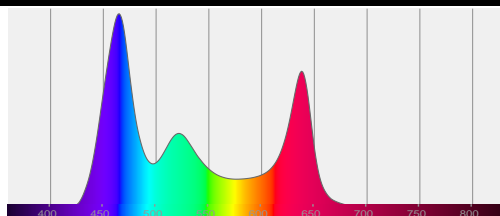


INPUT POWER: 198.1 W
 POWER FACTOR: 1.0
 OPTICAL POWER: 50.9 mW
 PEAK WAVELENGTH: 466 nm
 DOMINANT WAVELENGTH: 419 nm

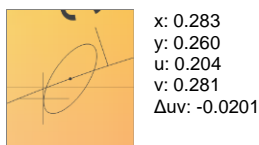
CIE 1931

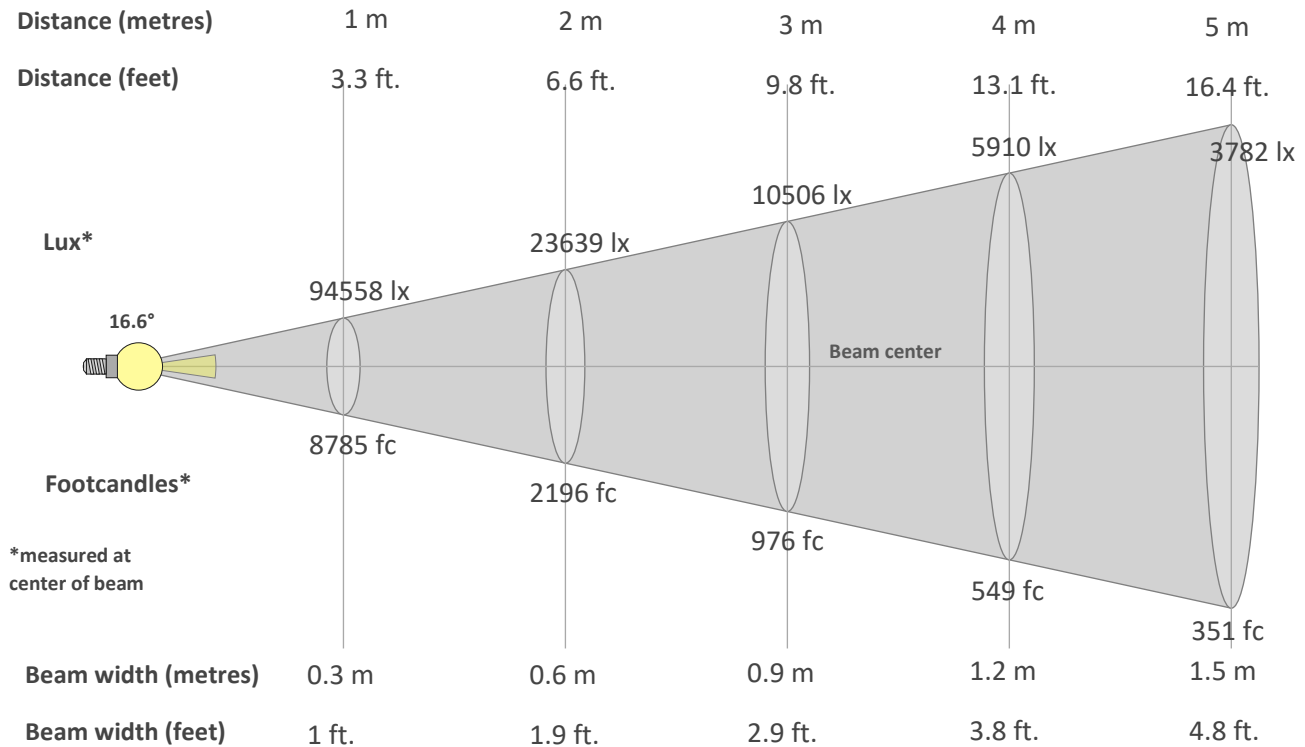


SPECTRAL DISTRIBUTION



CIE 1931 ZOOM



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
94558lx	23639lx	10506lx	5910lx	3782lx	2627lx	1930lx	1477lx	1167lx	946lx	781lx	657lx	560lx	482lx	420lx	369lx	327lx	292lx	262lx	236lx
8784.7fc	2196.2fc	976.1fc	549fc	351.4fc	244fc	179.3fc	137.3fc	108.5fc	87.8fc	72.6fc	61fc	52fc	44.8fc	39fc	34.3fc	30.4fc	27.1fc	24.3fc	22fc

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°
94.6K	94.6K	94.2K	93.8K	93.3K	92.7K	92.0K	91.2K	90.0K	88.6K	86.7K	84.4K	81.7K	78.1K	74.2K	69.3K	64.4K	59.1K	53.9K	48.8K
100%	100%	100%	99%	99%	98%	97%	96%	95%	94%	92%	89%	86%	83%	78%	73%	68%	63%	57%	52%

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°
94.6K	88.0K	71.5K	51.7K	34.9K	23.0K	15.2K	10.3K	7.2K	5.1K	3.8K	2.8K	2.2K	1.7K	1.3K	1.1K	1.0K	0.9K	0.8K	0.7K
100%	93%	76%	55%	37%	24%	16%	11%	8%	5%	4%	3%	2%	2%	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°
94.6K	94.6K	94.2K	93.8K	93.3K	92.7K	92.0K	91.2K	90.0K	88.6K	86.7K	84.4K	81.7K	78.1K	74.2K	69.3K	64.4K	59.1K	53.9K	48.8K
100%	100%	100%	99%	99%	98%	97%	96%	95%	94%	92%	89%	86%	83%	78%	73%	68%	63%	57%	52%

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°
94.6K	88.0K	71.5K	51.7K	34.9K	23.0K	15.2K	10.3K	7.2K	5.1K	3.8K	2.8K	2.2K	1.7K	1.3K	1.1K	1.0K	0.9K	0.8K	0.7K
100%	93%	76%	55%	37%	24%	16%	11%	8%	5%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%