

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

PRODUCT PHOTOMETRIC REPORT



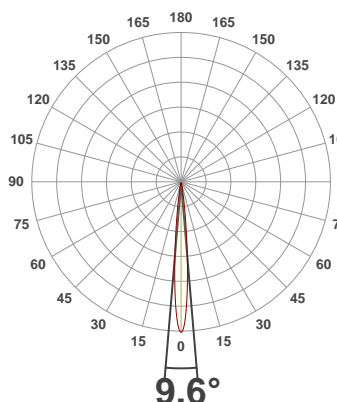
PRODUCT INFORMATION

SERIAL NUMBER: LL-20190927-767

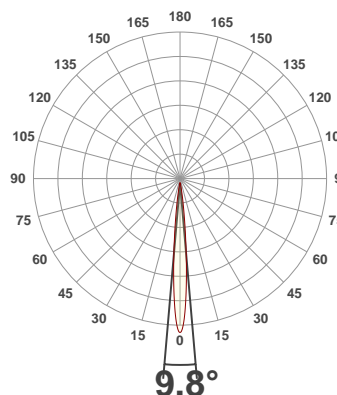
DATE OF MEASUREMENT: 2019-09-27

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

ANGULAR DISTRIBUTION AT C0/180



ANGULAR DISTRIBUTION AT C90/270



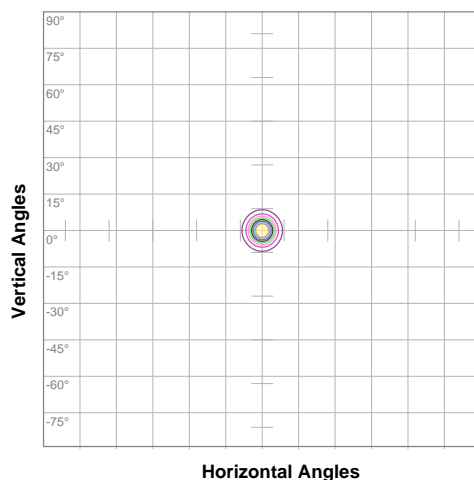
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 9263 lm
 EFFICACY: 47 lm/W
 PEAK INTENSITY: 238894 cd
 COLOR RENDERING INDEX (CRI): 52.2
 COLOR TEMPERATURE (CCT): 11423K
 FIDELITY INDEX (TM30Rf): 67.5
 GAMUT INDEX (TM30Rg): 107.4

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) | C0/180: 9.6°
 BEAM ANGLE (FWHM) | C90/270: 9.8°
 FIELD ANGLE (10%) | C0/180: 18.6°
 FIELD ANGLE (10%) | C90/270: 19.3°
 NUMBER OF PLANES MEASURED: 12

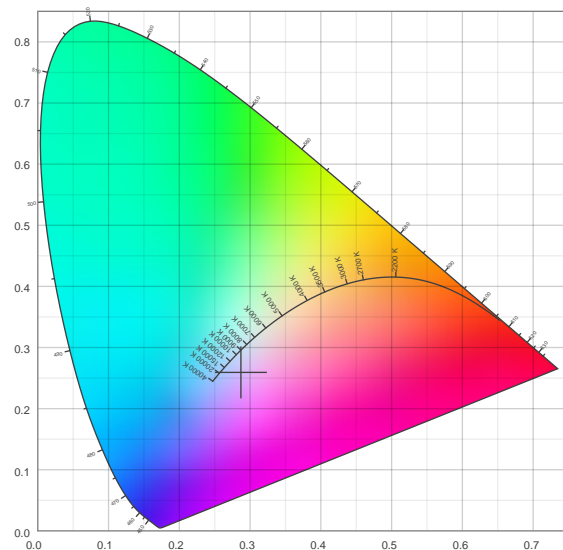
ISOCANDELA DIAGRAM



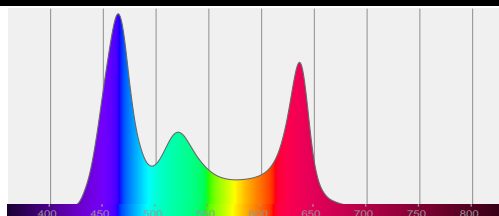
10% 23873 cd
 20% 47745 cd
 30% 71618 cd
 40% 95491 cd
 50% 119364 cd
 60% 143236 cd
 70% 167109 cd
 80% 190982 cd
 90% 214854 cd

INPUT POWER: 198.1 W
 POWER FACTOR: 1.0
 OPTICAL POWER: 40.2 mW
 PEAK WAVELENGTH: 465 nm
 DOMINANT WAVELENGTH: 360 nm

CIE 1931

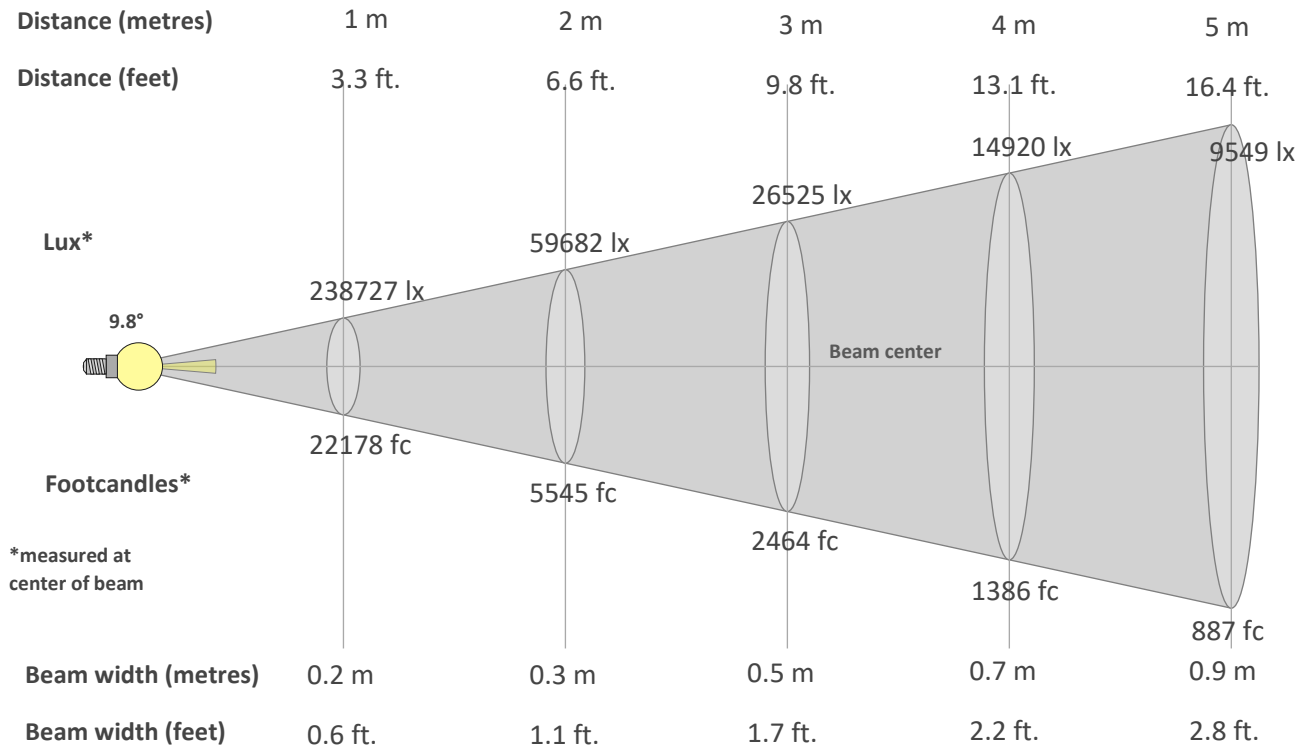


SPECTRAL DISTRIBUTION



CIE 1931 ZOOM

x: 0.287
 y: 0.259
 u: 0.207
 v: 0.281
 Δuv: -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
238727lx	59682lx	26525lx	14920lx	9549lx	6631lx	4872lx	3730lx	2947lx	2387lx	1973lx	1658lx	1413lx	1218lx	1061lx	933lx	826lx	737lx	661lx	597lx
22178.5fc	5544.6fc	2464.3fc	1386.2fc	887.1fc	616.1fc	452.6fc	346.5fc	273.8fc	221.8fc	183.3fc	154fc	131.2fc	113.2fc	98.6fc	86.6fc	76.7fc	68.5fc	61.4fc	55.4fc

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°
239K	232K	211K	182K	147K	113K	83K	58K	40K	27K	18K	12K	9K	6K	5K	3K	3K	2K	2K	1K
100%	97%	89%	76%	62%	47%	35%	24%	17%	11%	8%	5%	4%	3%	2%	1%	1%	1%	1%	1%

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°
239K	232K	212K	183K	150K	117K	86K	62K	44K	30K	21K	15K	10K	8K	6K	4K	3K	3K	2K	2K
100%	97%	89%	77%	63%	49%	36%	26%	18%	13%	9%	6%	4%	3%	2%	2%	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°
239K	232K	211K	182K	147K	113K	83K	58K	40K	27K	18K	12K	9K	6K	5K	3K	3K	2K	2K	1K
100%	97%	89%	76%	62%	47%	35%	24%	17%	11%	8%	5%	4%	3%	2%	1%	1%	1%	1%	1%

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°
239K	232K	212K	183K	150K	117K	86K	62K	44K	30K	21K	15K	10K	8K	6K	4K	3K	3K	2K	2K
100%	97%	89%	77%	63%	49%	36%	26%	18%	13%	9%	6%	4%	3%	2%	2%	1%	1%	1%	1%