

# FL200-RGBW40K-OM-90-ELV (ALL ON)

## PRODUCT PHOTOMETRIC REPORT



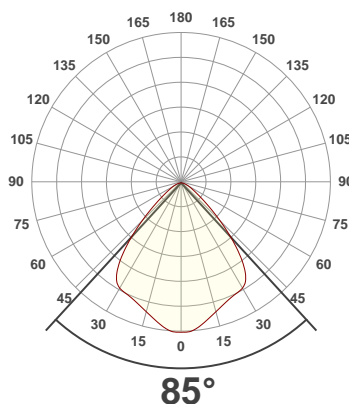
### PRODUCT INFORMATION

SERIAL NUMBER: LL-20191015-873

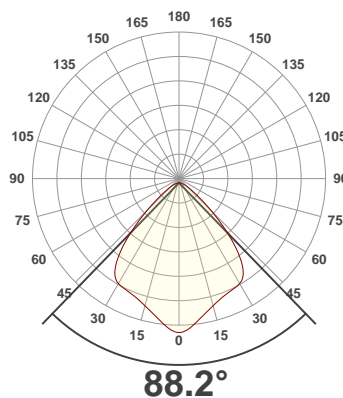
DATE OF MEASUREMENT: 2019-10-15

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

### ANGULAR DISTRIBUTION AT C0/180



### ANGULAR DISTRIBUTION AT C90/270



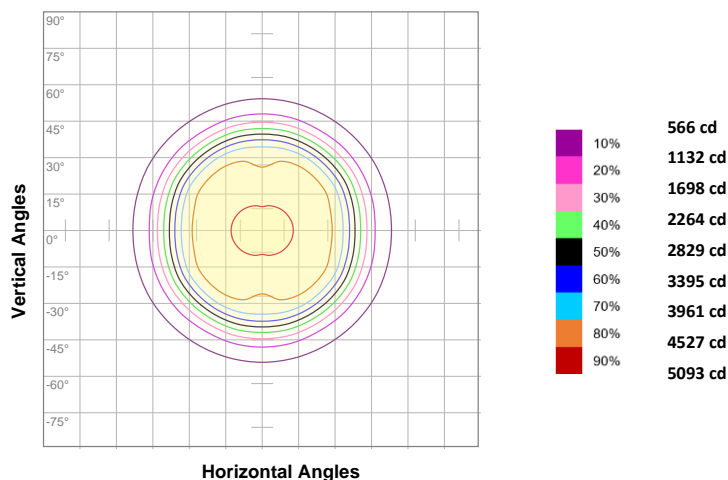
### LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT: 10174 lm  
 EFFICACY: 50 lm/W  
 PEAK INTENSITY: 5672 cd  
 COLOR RENDERING INDEX (CRI): 52.6  
 COLOR TEMPERATURE (CCT): 11687K  
 FIDELITY INDEX (TM30Rf): 67.6  
 GAMUT INDEX (TM30Rg): 107.3

### BEAM OUTPUT DATA

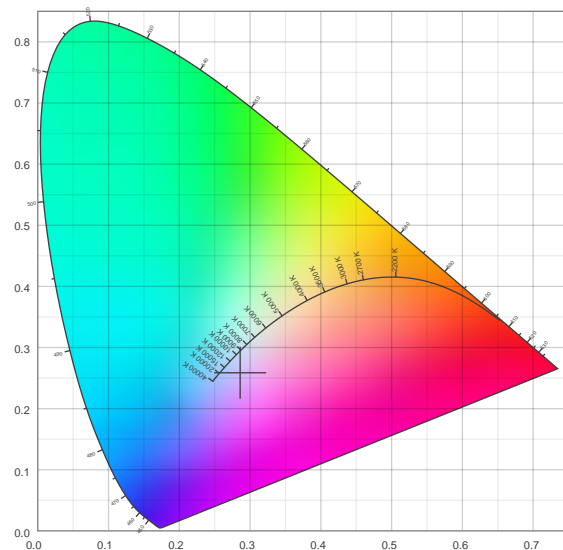
BEAM ANGLE (FWHM) | C0/180: 85°  
 BEAM ANGLE (FWHM) | C90/270: 88.2°  
 FIELD ANGLE (10%) | C0/180: 118.4°  
 FIELD ANGLE (10%) | C90/270: 120.5°  
 NUMBER OF PLANES MEASURED: 12

### ISOCANDELA DIAGRAM

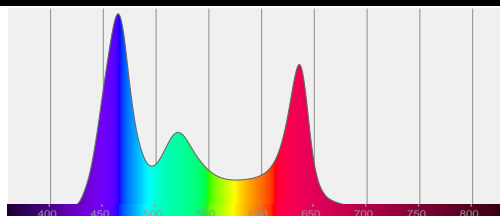


INPUT POWER: 201.7 W  
 POWER FACTOR: 1.0  
 OPTICAL POWER: 44.2 mW  
 PEAK WAVELENGTH: 465 nm  
 DOMINANT WAVELENGTH: 360 nm

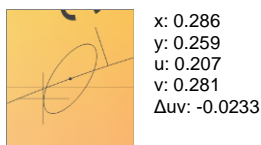
### CIE 1931



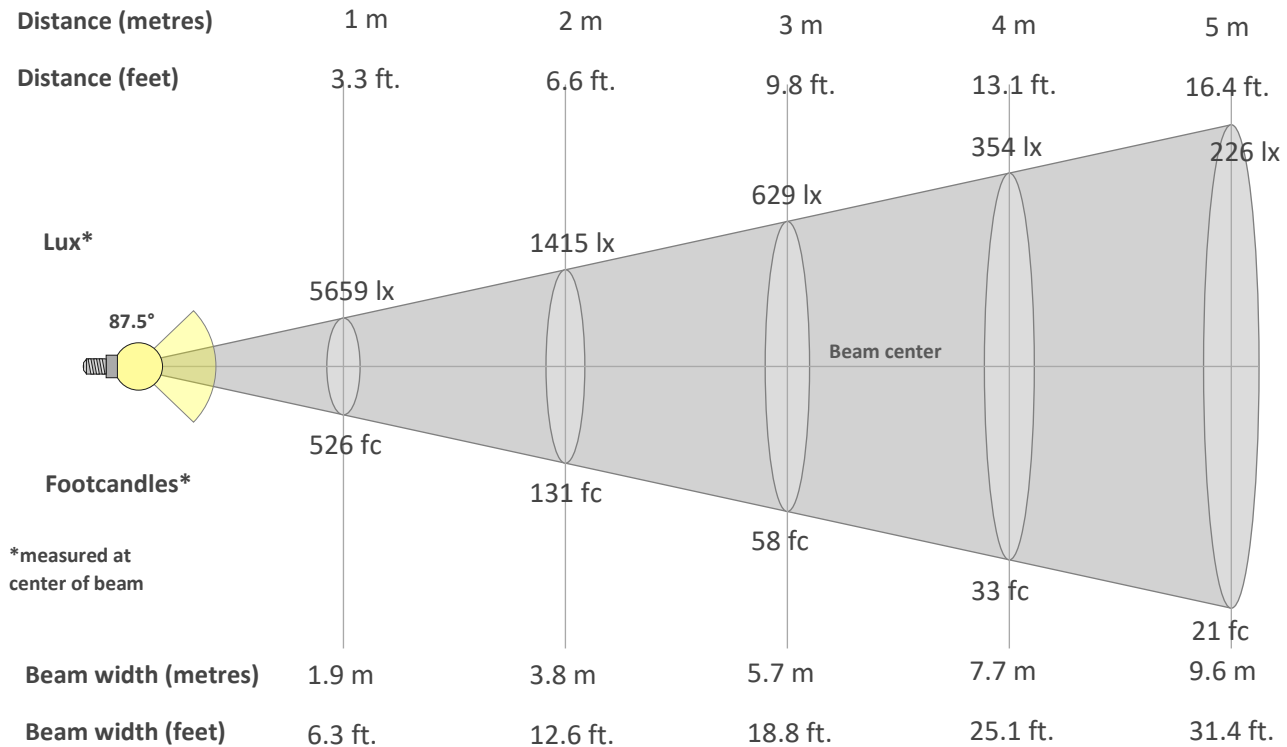
### SPECTRAL DISTRIBUTION



### 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
5659lx	1415lx	629lx	354lx	226lx	157lx	115lx	88lx	70lx	57lx	47lx	39lx	33lx	29lx	25lx	22lx	20lx	17lx	16lx	14lx
525.7fc	131.4fc	58.4fc	32.9fc	21fc	14.6fc	10.7fc	8.2fc	6.5fc	5.3fc	4.3fc	3.7fc	3.1fc	2.7fc	2.3fc	2.1fc	1.8fc	1.6fc	1.5fc	1.3fc

**Intensity in 0° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
5659	5571	5317	5055	4845	4704	4613	4262	3375	2270	1368	820	527	360	245	155	79	20	0	0
100%	98%	94%	89%	86%	83%	82%	75%	60%	40%	24%	14%	9%	6%	4%	3%	1%	0%	0%	0%

**Intensity in 90° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
5659	5474	5150	4884	4690	4579	4512	4315	3664	2626	1623	949	580	382	255	160	81	22	0	0
100%	97%	91%	86%	83%	81%	80%	76%	65%	46%	29%	17%	10%	7%	5%	3%	1%	0%	0%	0%

**Intensity in 180° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
5659	5571	5317	5055	4845	4704	4613	4262	3375	2270	1368	820	527	360	245	155	79	20	0	0
100%	98%	94%	89%	86%	83%	82%	75%	60%	40%	24%	14%	9%	6%	4%	3%	1%	0%	0%	0%

**Intensity in 270° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
5659	5474	5150	4884	4690	4579	4512	4315	3664	2626	1623	949	580	382	255	160	81	22	0	0
100%	97%	91%	86%	83%	81%	80%	76%	65%	46%	29%	17%	10%	7%	5%	3%	1%	0%	0%	0%