



PRODUCT INFORMATION

SERIAL NUMBER: LL-20190828-567-BMS

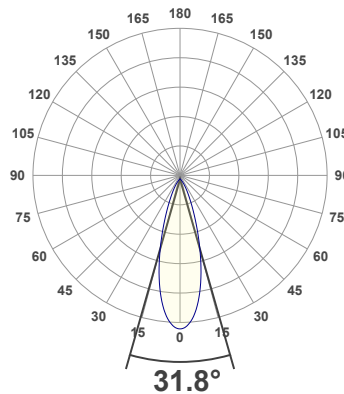
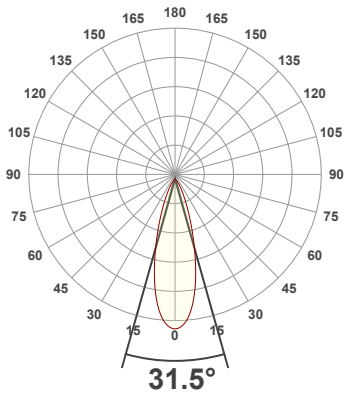
DATE OF MEASUREMENT: 2019-08-28

SIZE (dia. x h): 298 mm x 59.5 mm

ANGULAR DISTRIBUTION AT C0/180

ANGULAR DISTRIBUTION AT C90/270

LIGHT OUTPUT DATA

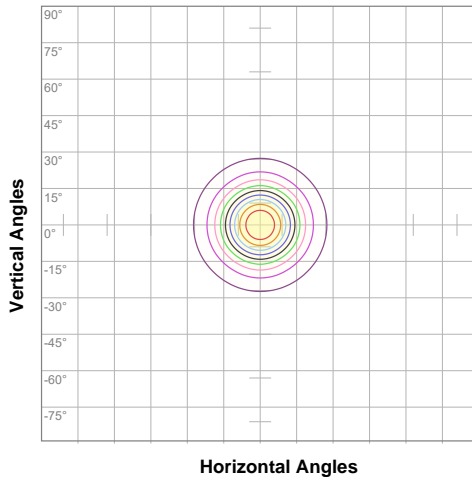


TOTAL LUMEN OUTPUT:	240 lm
EFFICACY:	12 lm/W
PEAK INTENSITY:	614 cd
COLOR RENDERING INDEX (CRI):	N/A
COLOR TEMPERATURE (CCT):	N/A
FIDELITY INDEX (TM30Rf):	N/A
GAMUT INDEX (TM30Rg):	N/A

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	31.5°
BEAM ANGLE (FWHM) C90/270:	31.8°
FIELD ANGLE (10%) C0/180:	60.9°
FIELD ANGLE (10%) C90/270:	61.1°
NUMBER OF PLANES MEASURED:	12

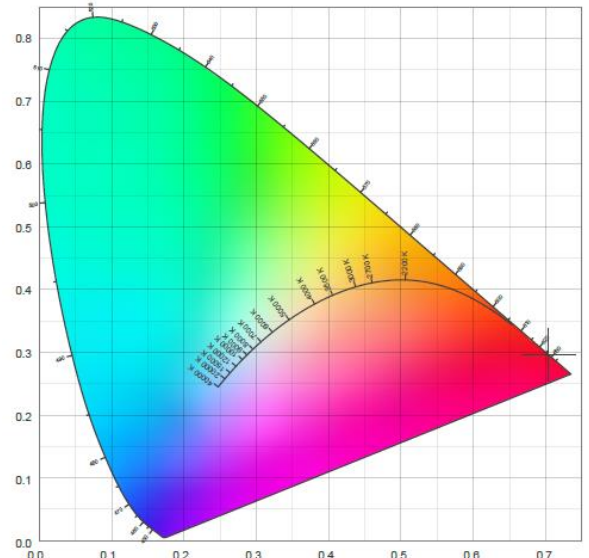
ISOCANDELA DIAGRAM



10%	61 cd
20%	123 cd
30%	184 cd
40%	246 cd
50%	307 cd
60%	368 cd
70%	430 cd
80%	491 cd
90%	553 cd

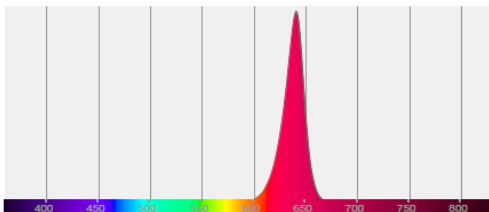
INPUT POWER:	19.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	1.62 mW
PEAK WAVELENGTH:	641 nm
DOMINANT WAVELENGTH:	627 nm

CIE 1931



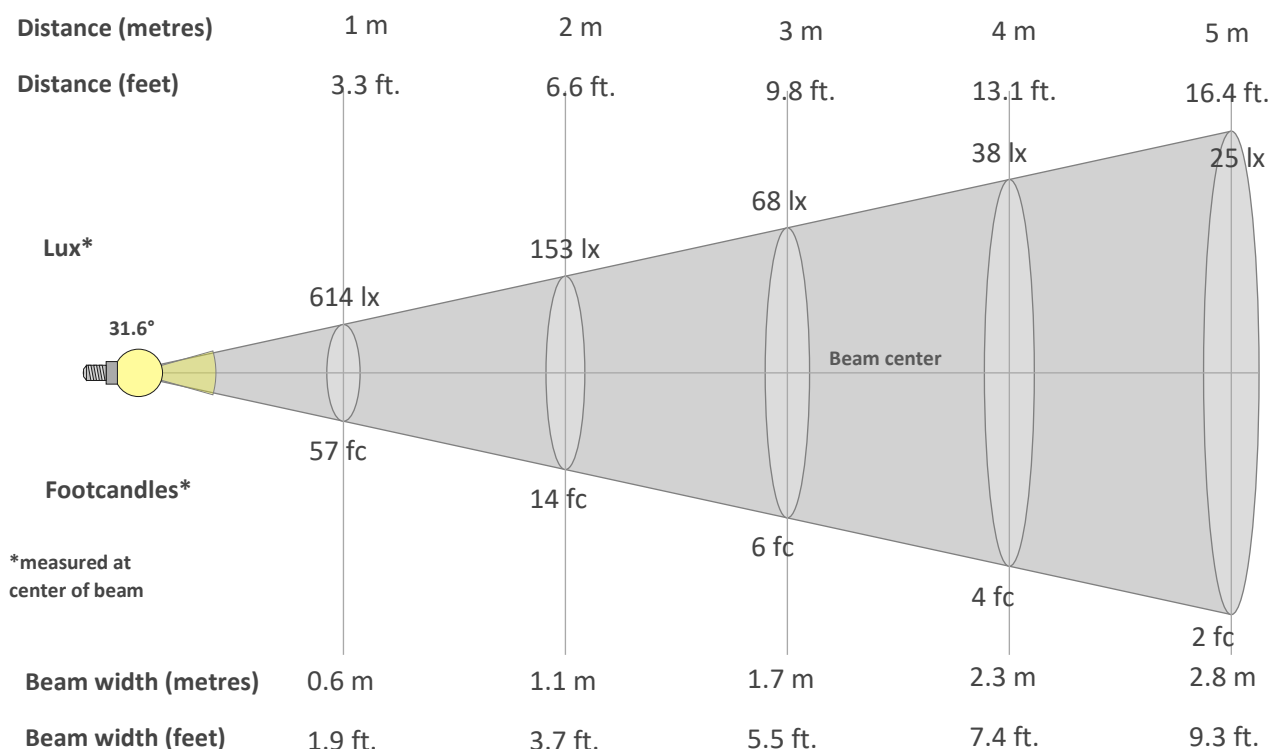
SPECTRAL DISTRIBUTION

CIE 1931 ZOOM



x: 0.704
y: 0.296
u: 0.547
v: 0.345
Δuv: 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
614lx	153lx	68lx	38lx	25lx	17lx	13lx	10lx	8lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	2lx
57fc	14.3fc	6.3fc	3.6fc	2.3fc	1.6fc	1.2fc	0.9fc	0.7fc	0.6fc	0.5fc	0.4fc	0.3fc	0.3fc	0.3fc	0.2fc	0.2fc	0.2fc	0.2fc	0.1fc

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°
614	609	592	563	524	474	418	358	300	246	199	159	127	101	81	65	52	42	34	27
100%	99%	96%	92%	85%	77%	68%	58%	49%	40%	32%	26%	21%	16%	13%	11%	8%	7%	5%	4%

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°
614	609	590	561	522	474	420	362	305	250	202	161	128	102	81	65	53	42	34	27
100%	99%	96%	91%	85%	77%	68%	59%	50%	41%	33%	26%	21%	17%	13%	11%	9%	7%	6%	4%

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°
614	609	592	563	524	474	418	358	300	246	199	159	127	101	81	65	52	42	34	27
100%	99%	96%	92%	85%	77%	68%	58%	49%	40%	32%	26%	21%	16%	13%	11%	8%	7%	5%	4%

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°
614	609	590	561	522	474	420	362	305	250	202	161	128	102	81	65	53	42	34	27
100%	99%	96%	91%	85%	77%	68%	59%	50%	41%	33%	26%	21%	17%	13%	11%	9%	7%	6%	4%