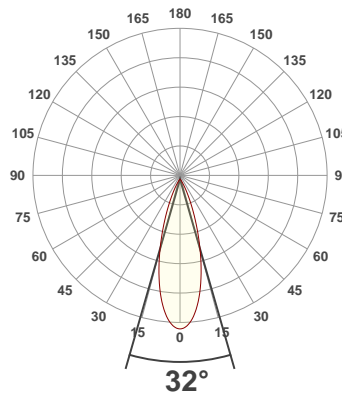
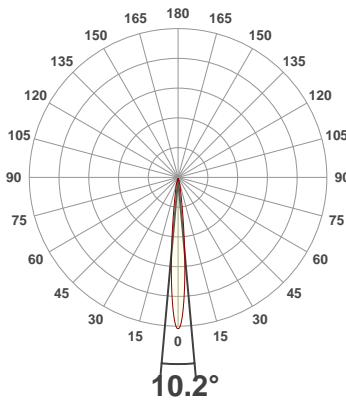




PRODUCT INFORMATION

SERIAL NUMBER:	LL-20190823-542-BMS
DATE OF MEASUREMENT:	2019-08-23
SIZE (l x w. x h):	298 mm x 71 mm x 59.5 mm

ANGULAR DISTRIBUTION AT C0/180 | ANGULAR DISTRIBUTION AT C90/270 | LIGHT OUTPUT DATA

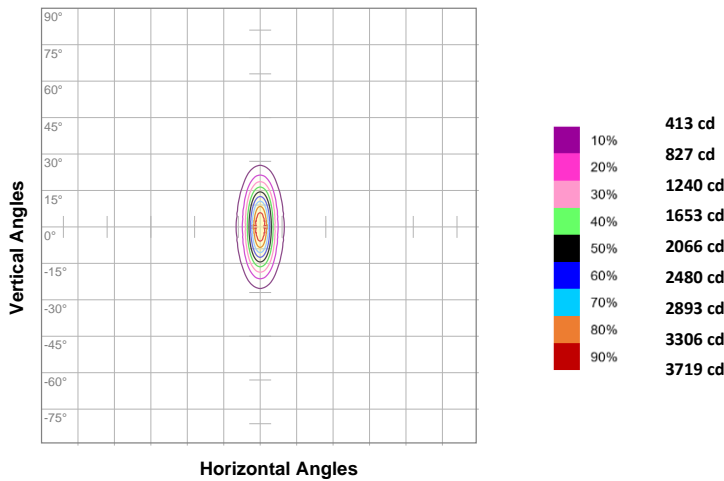


TOTAL LUMEN OUTPUT:	578 lm
EFFICACY:	30 lm/W
PEAK INTENSITY:	4136 cd
COLOR RENDERING INDEX (CRI):	0.0
COLOR TEMPERATURE (CCT):	25795K
FIDELITY INDEX (TM30Rf):	0.0
GAMUT INDEX (TM30Rg):	0.0

BEAM OUTPUT DATA

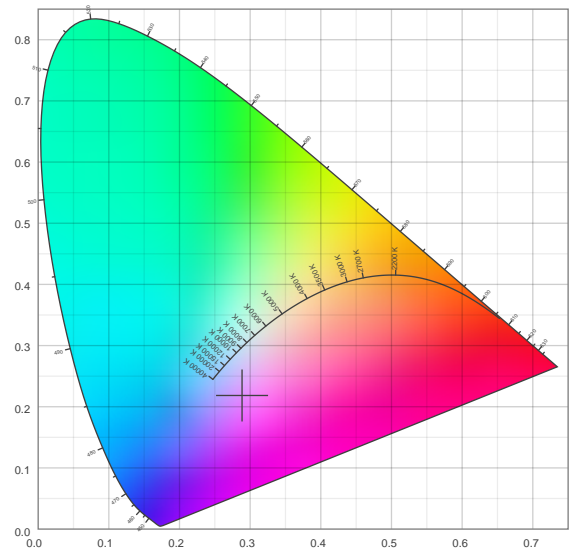
BEAM ANGLE (FWHM) C0/180:	10.2°
BEAM ANGLE (FWHM) C90/270:	32°
FIELD ANGLE (10%) C0/180:	22.1°
FIELD ANGLE (10%) C90/270:	56.4°
NUMBER OF PLANES MEASURED:	36

ISOCANDELA DIAGRAM

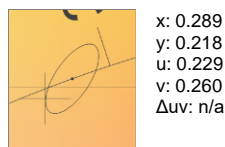
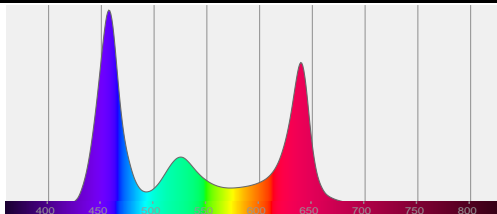


INPUT POWER:	19.2 W
POWER FACTOR:	1.0
OPTICAL POWER:	2.87 mW
PEAK WAVELENGTH:	458 nm
DOMINANT WAVELENGTH:	360 nm

CIE 1931

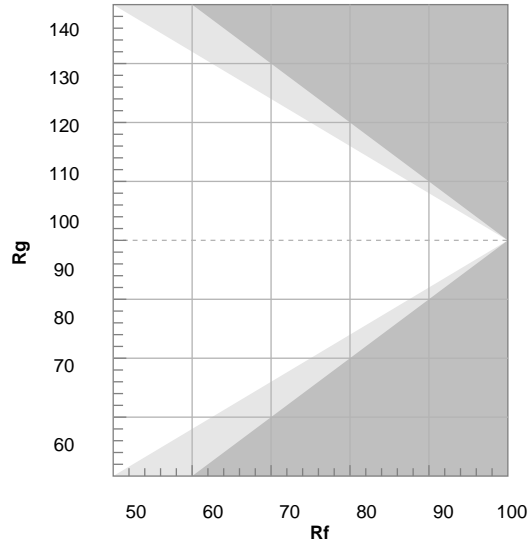


SPECTRAL DISTRIBUTION | CIE 1931 ZOOM



TM30 DETAILS

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



FIDELITY INDEX

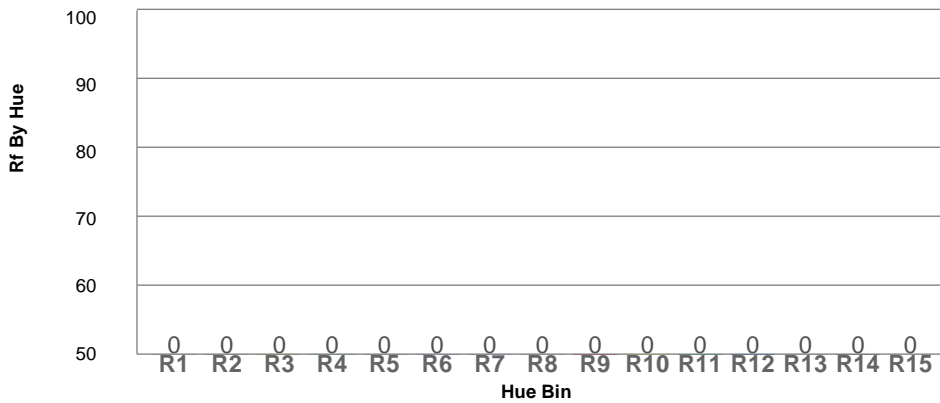
R_f 0.0

GAMUT INDEX

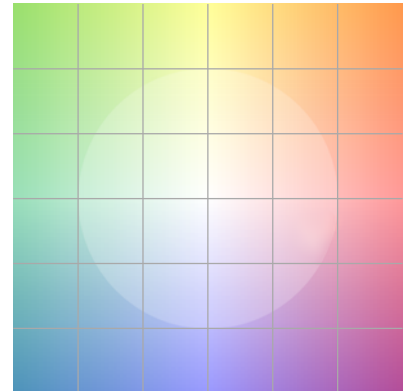
R_g 0.0

Approx. limits for sources on the Planckian locus.
 Approx. limits for practical light sources.

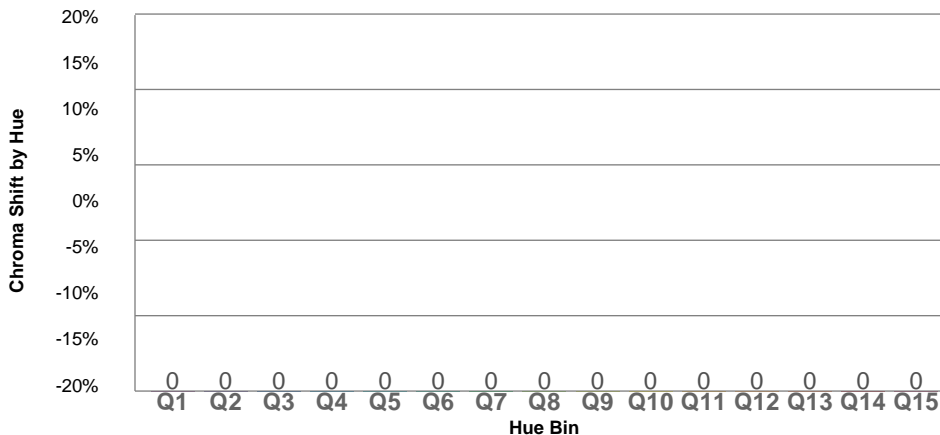
TM30 OVER 50



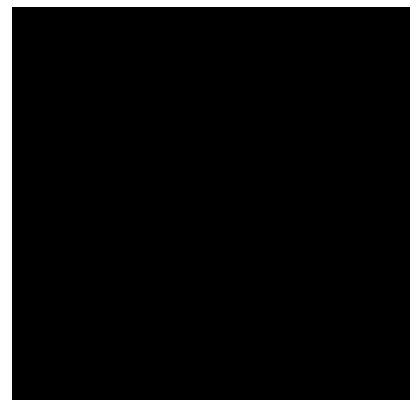
COLOR VECTOR GRAPHICS

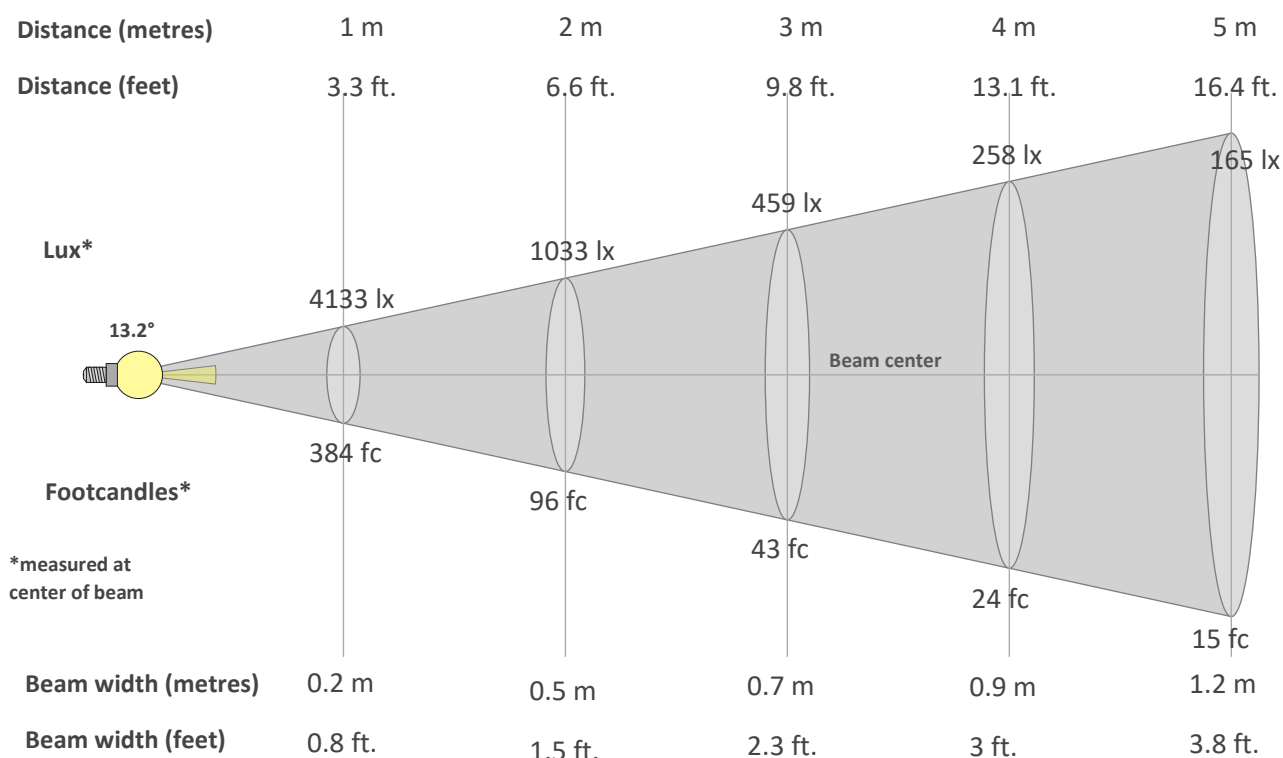


TM30 CHROMA SHIFT



COLOR DISTORTION GRAPHICS



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
4133lx	1033lx	459lx	258lx	165lx	115lx	84lx	65lx	51lx	41lx	34lx	29lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
383.9fc	96fc	42.7fc	24fc	15.4fc	10.7fc	7.8fc	6fc	4.7fc	3.8fc	3.2fc	2.7fc	2.3fc	2fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc	1fc

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°
4133	4021	3696	3226	2682	2126	1615	1197	887	669	518	415	345	295	259	231	209	189	170	151
100%	97%	89%	78%	65%	51%	39%	29%	21%	16%	13%	10%	8%	7%	6%	6%	5%	5%	4%	4%

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°
4133	4123	4095	4039	3970	3887	3775	3650	3514	3361	3196	3022	2838	2649	2457	2263	2071	1882	1697	1522
100%	100%	99%	98%	96%	94%	91%	88%	85%	81%	77%	73%	69%	64%	59%	55%	50%	46%	41%	37%

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°
4133	4021	3696	3226	2682	2126	1615	1197	887	669	518	415	345	295	259	231	209	189	170	151
100%	97%	89%	78%	65%	51%	39%	29%	21%	16%	13%	10%	8%	7%	6%	6%	5%	5%	4%	4%

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°
4133	4123	4095	4039	3970	3887	3775	3650	3514	3361	3196	3022	2838	2649	2457	2263	2071	1882	1697	1522
100%	100%	99%	98%	96%	94%	91%	88%	85%	81%	77%	73%	69%	64%	59%	55%	50%	46%	41%	37%