

Light efficiency:

84 Lumen/Watt

Light quality:

CRI: 93.4

Color temperature:

2651 K

Output: 1012 lm

Peak: 3242 cd

Power: 12.0 W

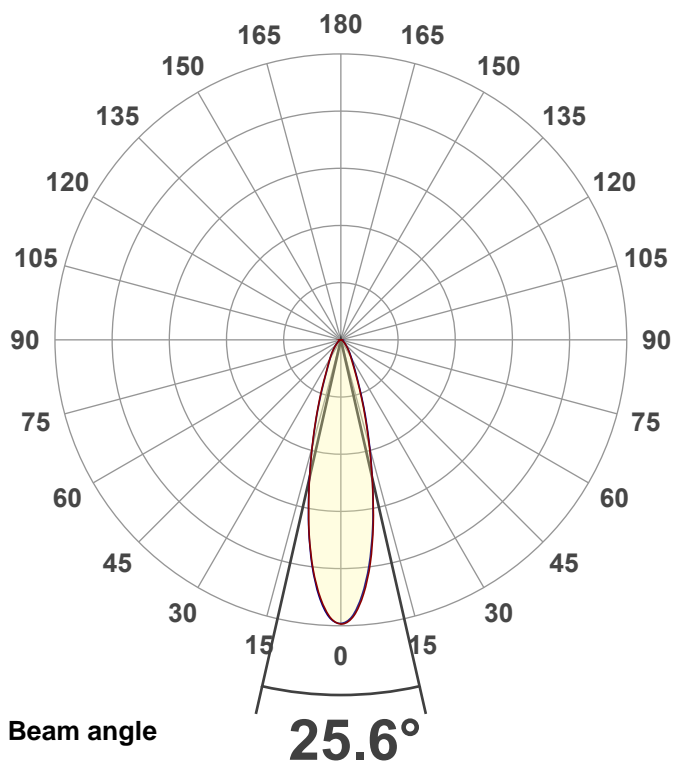
PF: 0.97



GX-10-11LM-27K-90-25D-120-ELV

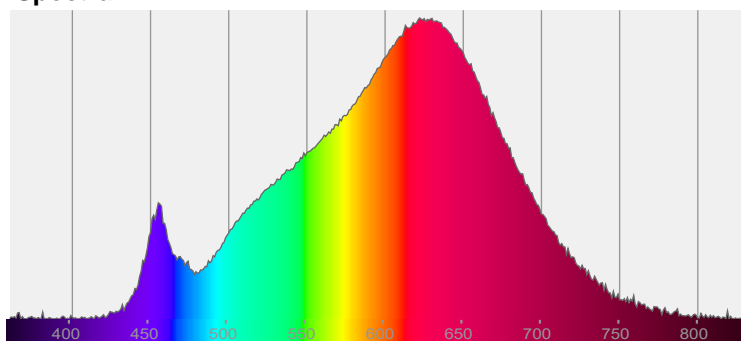
Date and time:

11/28/2022 2:00:16 PM

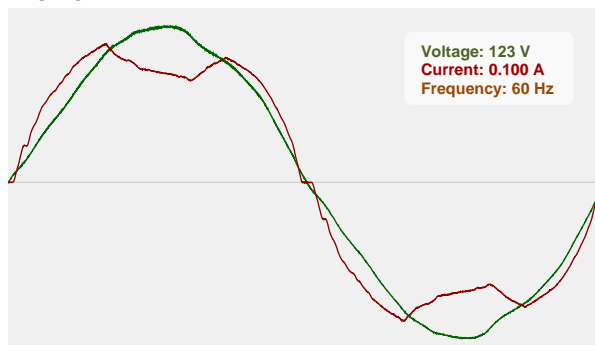


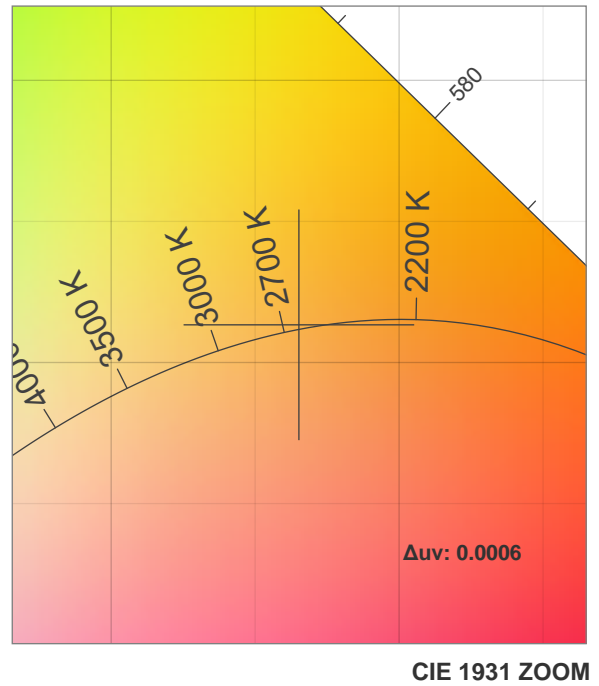
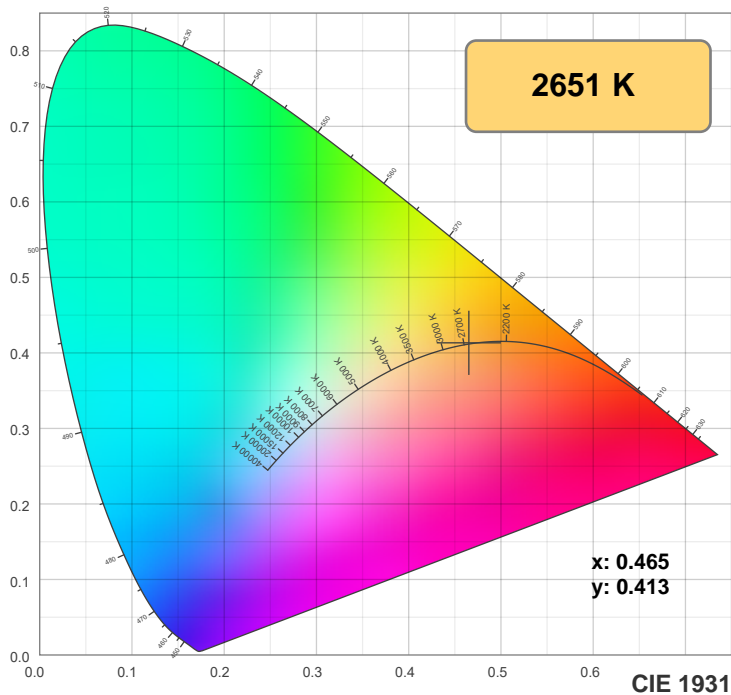
CIE 1931
x: 0.465
y: 0.413

Spectra

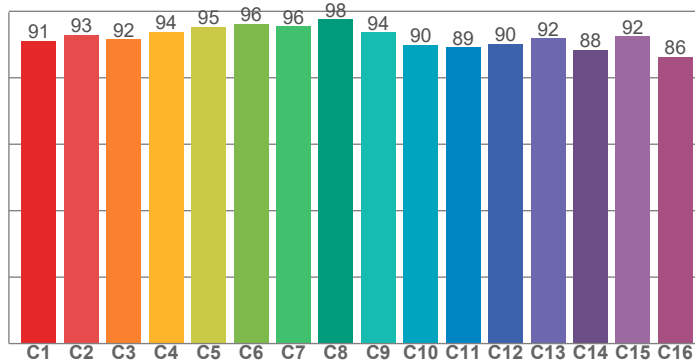


Power

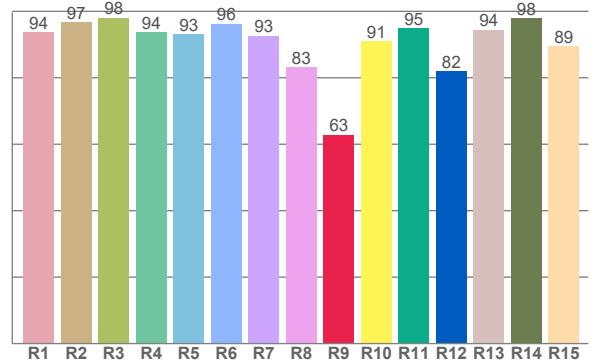




TM30: 92.1



CRI: 93.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.6	96.6	98.1	93.8	93.1	96.3	92.7	83.1	62.8	91.0	94.9	82.0	94.5	98.0	89.4

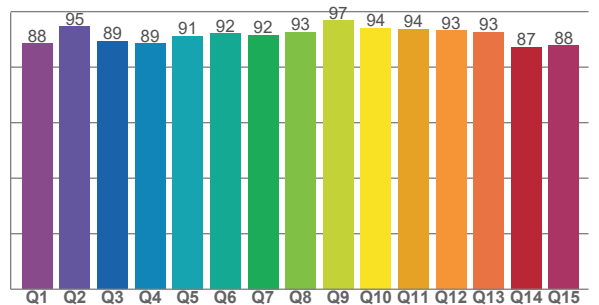
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.1	92.9	91.6	93.8	95.3	96.3	95.5	97.5	93.7	89.9	89.2	90.1	91.9	88.5	92.4	86.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.5	94.6	89.3	88.5	91.2	92.1	91.6	92.6	96.7	94.1	93.6	93.2	92.7	87.3	87.7

CQS: 91.0



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2651 K	93.4	62.8	92.1	98.7	91.0	0.465	0.413	0.265	0.353	0.0006

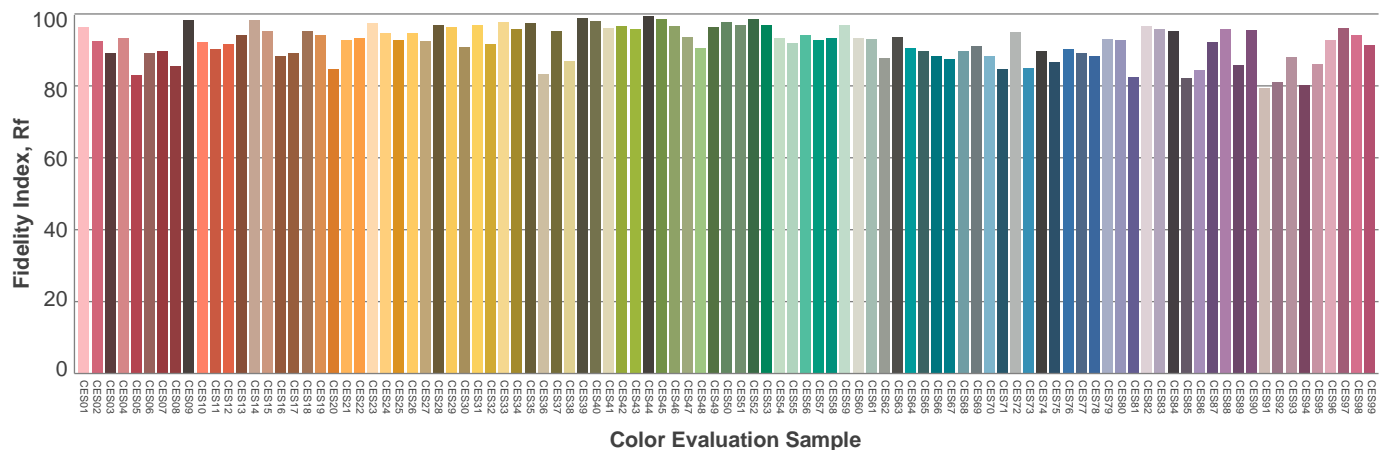
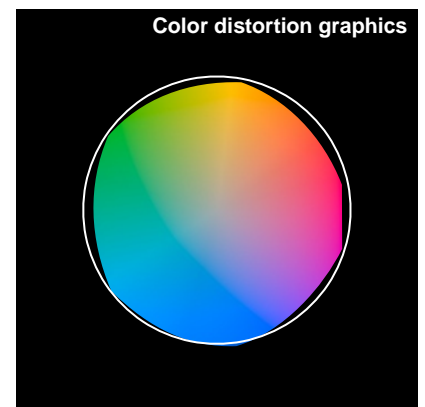
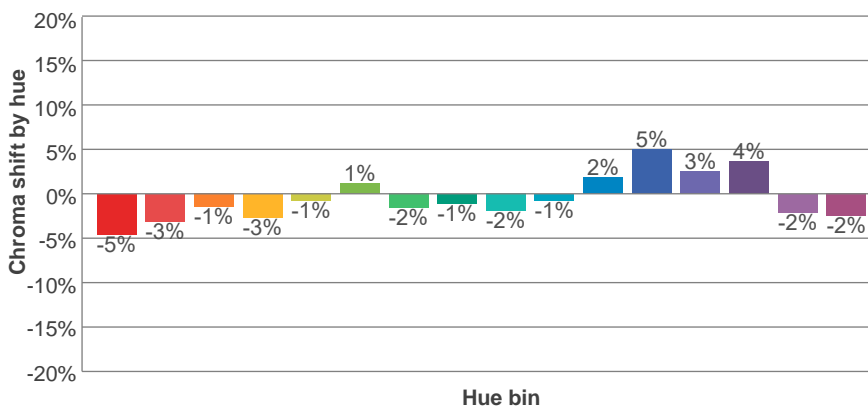
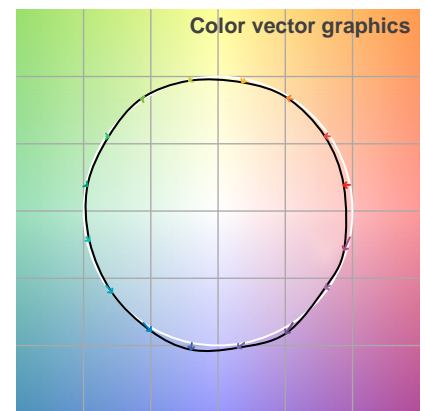
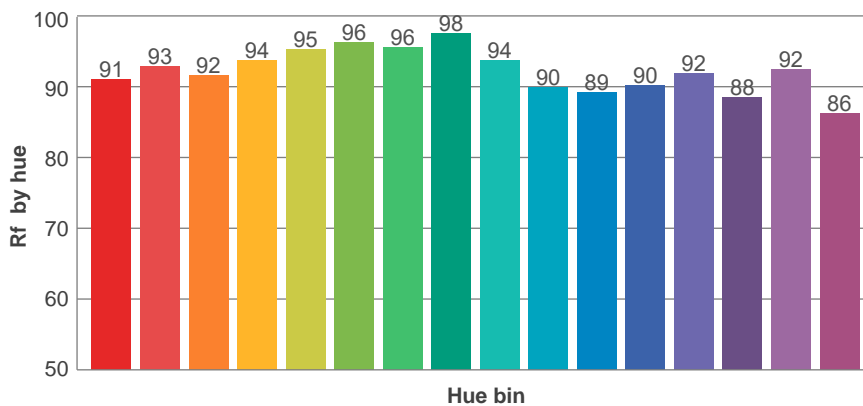
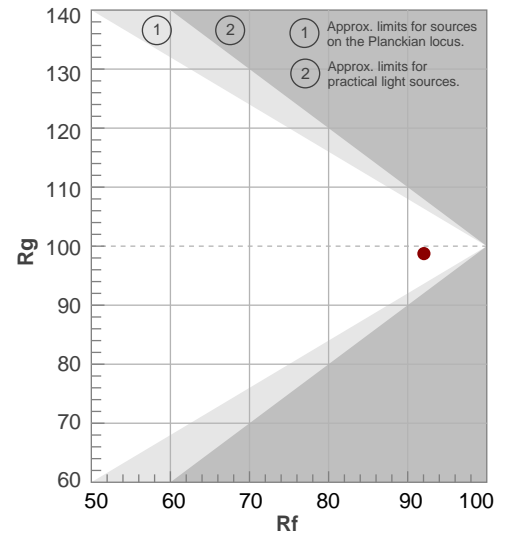
Rf 92.1

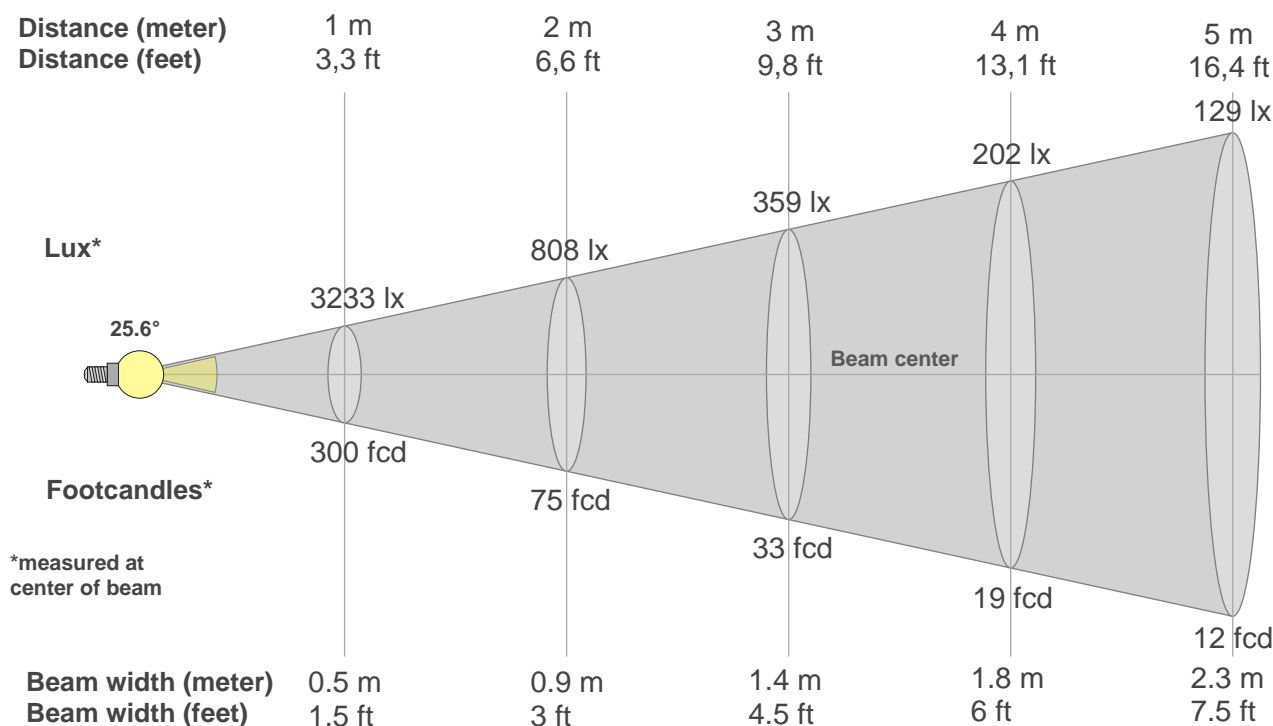
Fidelity index Rf

Rg 98.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	92	-1%	4%
4	94	-3%	1%
5	95	-1%	2%
6	96	1%	1%
7	96	-2%	-1%
8	98	-1%	1%
9	94	-2%	3%
10	90	-1%	7%
11	89	2%	8%
12	90	5%	0%
13	92	3%	-6%
14	88	4%	-8%
15	92	-2%	-3%
16	86	-2%	-10%





Beam intensities 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
3233lx	808lx	359lx	202lx	129lx	90lx	66lx	51lx	40lx	32lx	27lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx	8lx
300.3fcd	75.1fcd	33.4fcd	18.8fcd	12fcd	8.3fcd	6.1fcd	4.7fcd	3.7fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.8fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3233	3177	3022	2785	2484	2131	1757	1417	1120	872	669	509	399	321	266	226	195	170	147	127
100%	98%	93%	86%	77%	66%	54%	44%	35%	27%	21%	16%	12%	10%	8%	7%	6%	5%	5%	4%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3233	3168	2994	2747	2444	2103	1747	1429	1144	903	702	540	426	348	292	247	211	181	154	130
100%	98%	93%	85%	76%	65%	54%	44%	35%	28%	22%	17%	13%	11%	9%	8%	7%	6%	5%	4%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3233	3179	3002	2756	2454	2112	1752	1416	1135	896	702	548	428	351	298	255	220	189	161	137
100%	98%	93%	85%	76%	65%	54%	44%	35%	28%	22%	17%	13%	11%	9%	8%	7%	6%	5%	4%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3233	3177	3017	2775	2470	2122	1755	1418	1121	872	672	517	403	334	282	242	207	178	152	131
100%	98%	93%	86%	76%	66%	54%	44%	35%	27%	21%	16%	12%	10%	9%	7%	6%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.6°	53.3°	88.4°	97.3%	91.4%