

Light efficiency:

89 Lumen/Watt

Light quality:

CRI: 93.5

Color temperature:

2665 K

Output: 1075 lm

Peak: 2143 cd

Power: 12.0 W

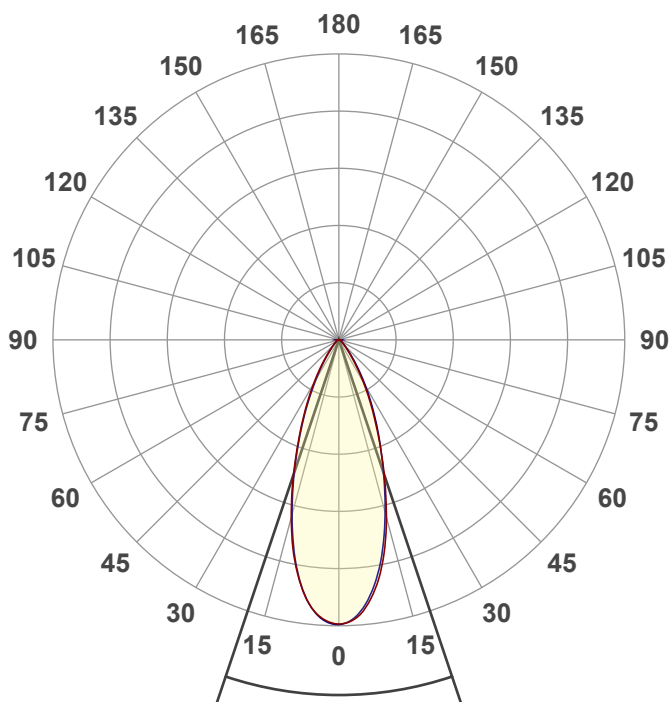
PF: 0.97



GX-10-11LM-27K-90-35D-120-ELV

Date and time:

11/28/2022 11:43:57 AM



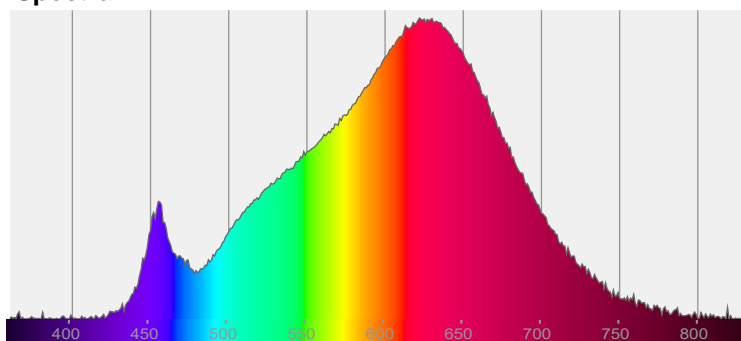
Beam angle

37.2°

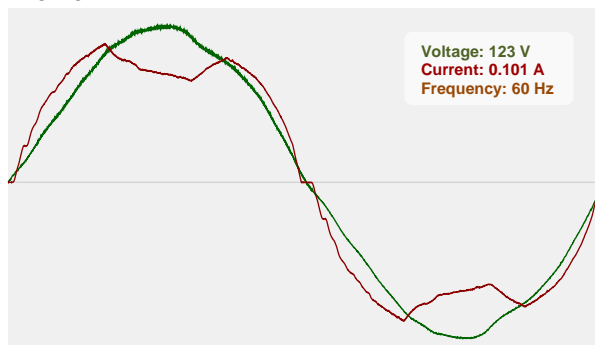


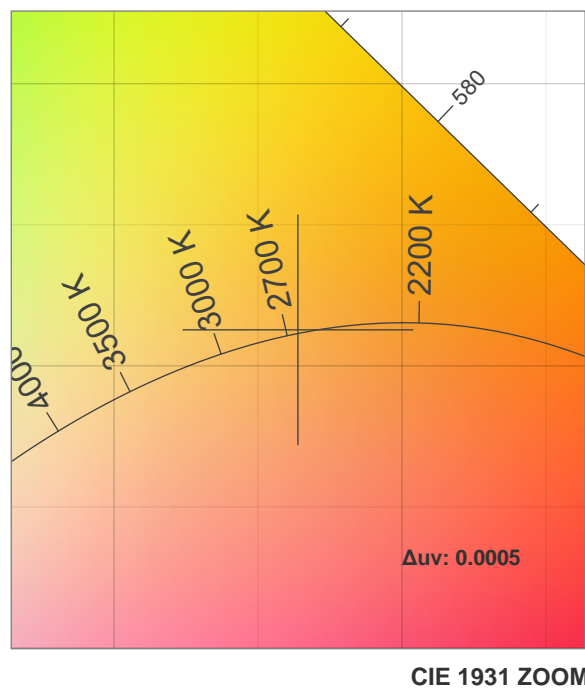
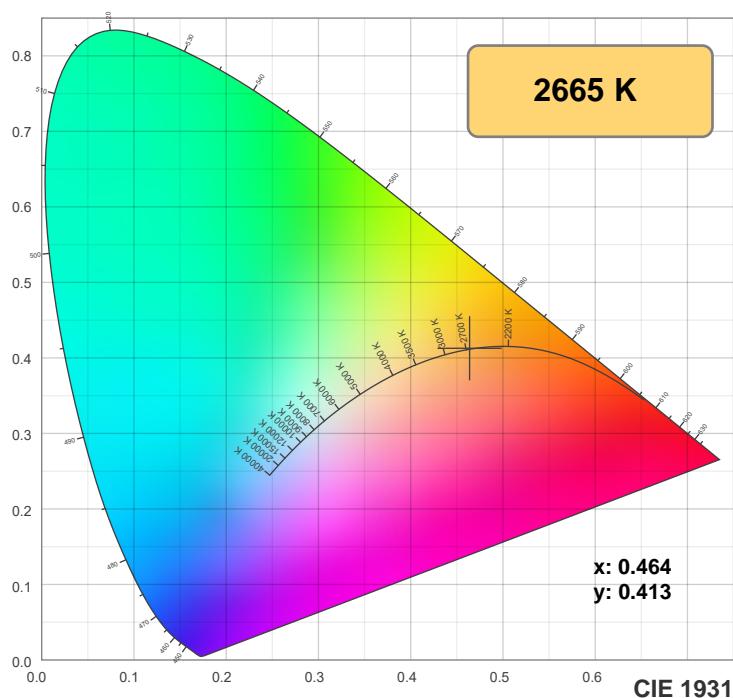
CIE 1931  
x: 0.464  
y: 0.413

Spectra

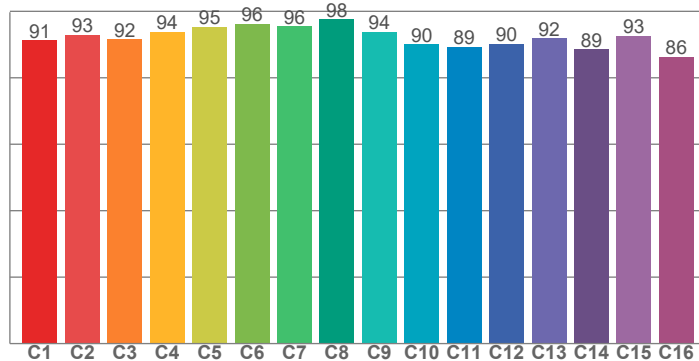


Power

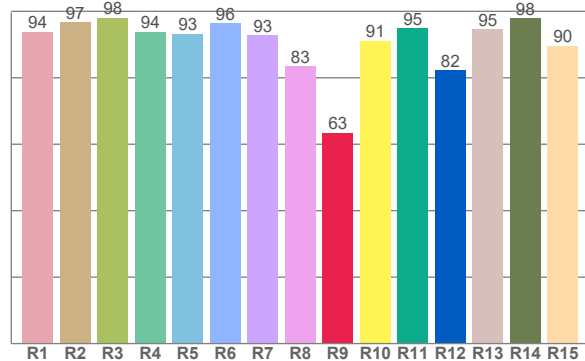




TM30: 92.1



CRI: 93.5 (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
93.8	96.7	98.1	93.9	93.3	96.3	92.8	83.4	63.4	91.2	95.0	82.2	94.6	98.0	89.6

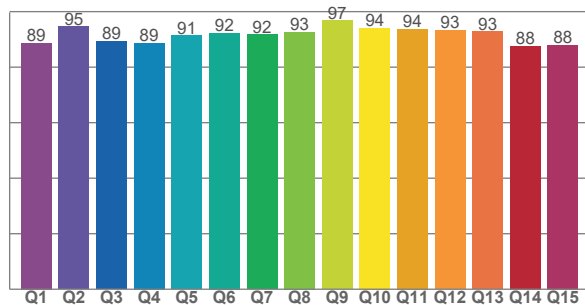
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.2	93.0	91.6	93.8	95.3	96.3	95.5	97.6	93.8	90.0	89.2	90.2	91.9	88.6	92.5	86.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.7	94.7	89.3	88.6	91.3	92.3	91.7	92.6	96.8	94.2	93.7	93.3	92.8	87.5	87.9

CQS: 91.1



## 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	$\Delta uv$
2665 K	93.5	63.4	92.1	98.8	91.1	0.464	0.413	0.264	0.353	0.0005

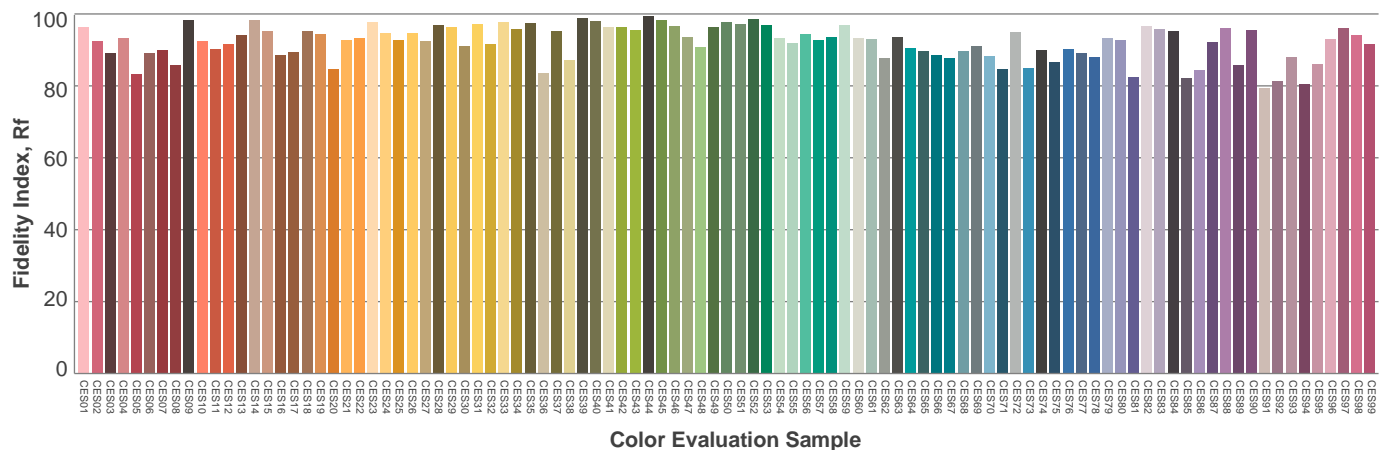
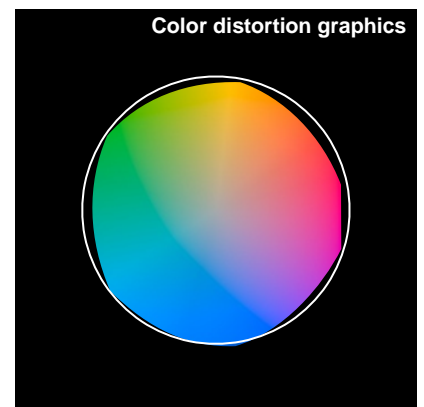
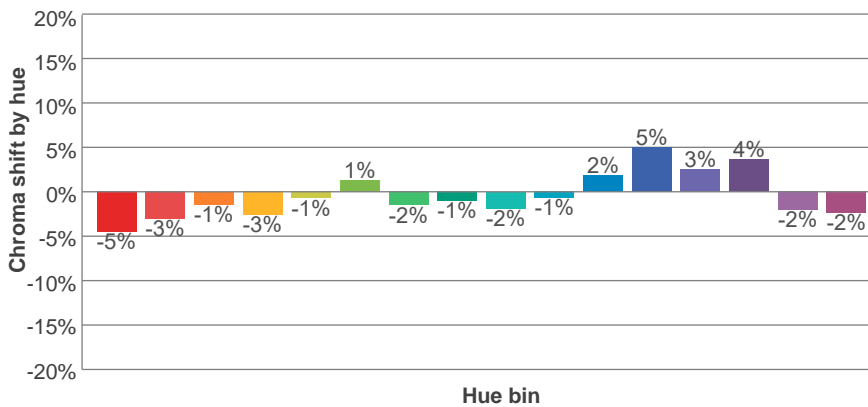
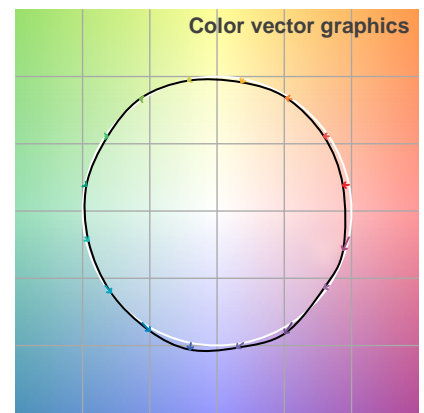
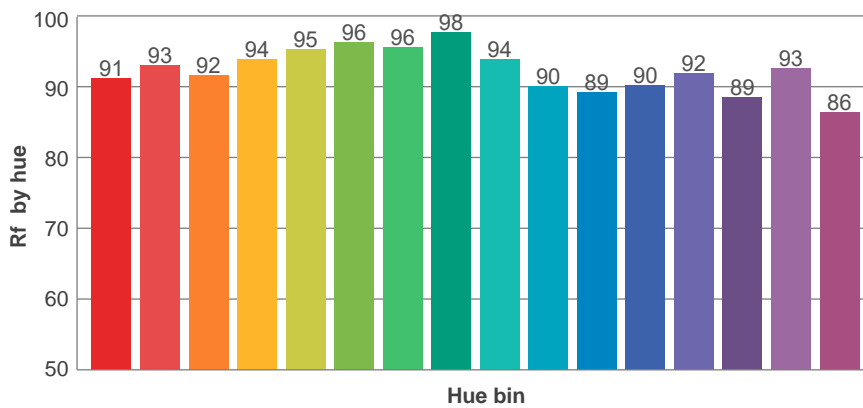
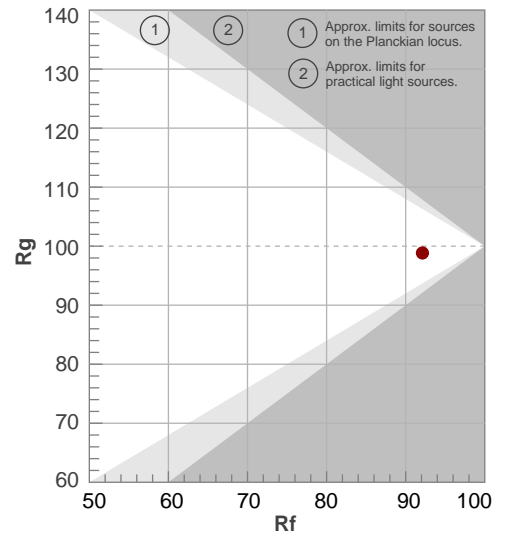
**Rf 92.1**

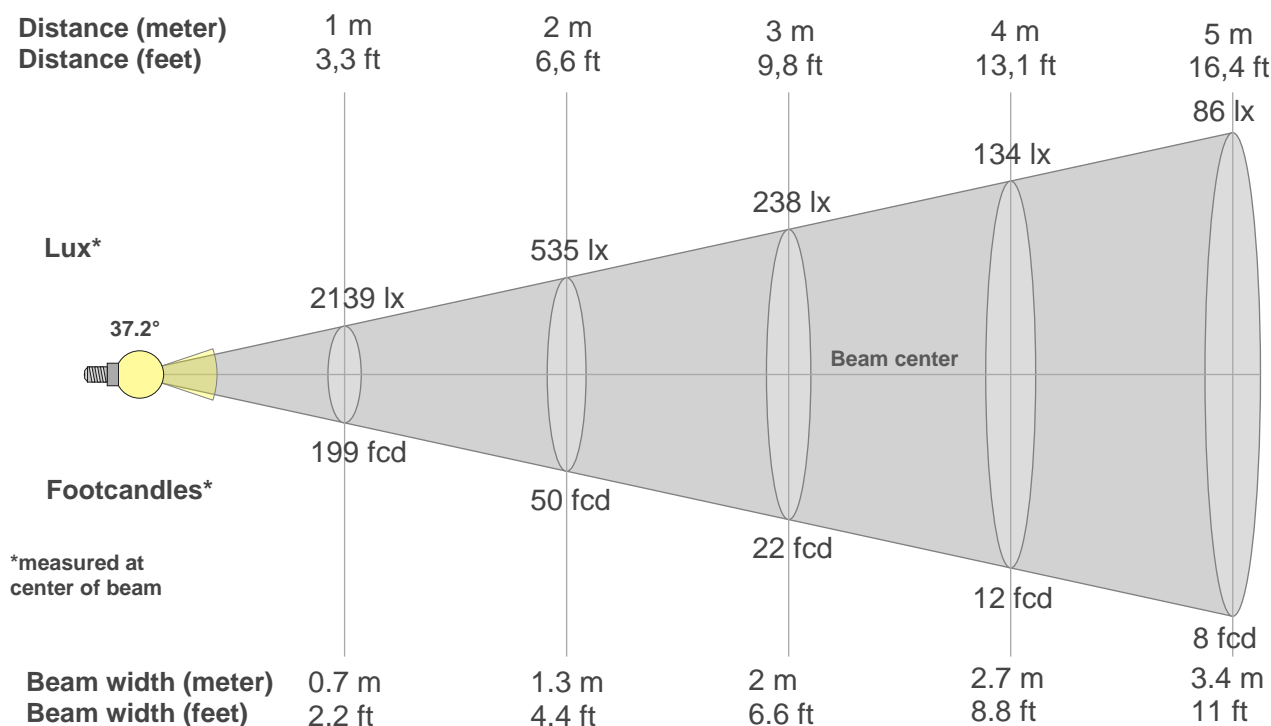
Fidelity index Rf

**Rg 98.8**

Gammut index Rg

Hue Bin	R <sub>f</sub>	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%	0%
9	94	-2%	3%
10	90	-1%	7%
11	89	2%	8%
12	90	5%	0%
13	92	3%	-5%
14	89	4%	-8%
15	93	-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
2139lx	535lx	238lx	134lx	86lx	59lx	44lx	33lx	26lx	21lx	18lx	15lx	13lx	11lx	10lx	8lx	7lx	7lx	6lx	5lx
198.8fcd	49.7fcd	22.1fcd	12.4fcd	8fcd	5.5fcd	4.1fcd	3.1fcd	2.5fcd	2fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

#### 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°
2139	2127	2085	2010	1910	1787	1640	1473	1295	1123	960	808	673	563	463	372	293	225	173	134
100%	99%	97%	94%	89%	84%	77%	69%	61%	52%	45%	38%	31%	26%	22%	17%	14%	11%	8%	6%

#### 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°
2139	2119	2069	1988	1880	1747	1594	1431	1264	1102	951	820	699	589	490	402	323	256	200	155
100%	99%	97%	93%	88%	82%	75%	67%	59%	51%	44%	38%	33%	28%	23%	19%	15%	12%	9%	7%

#### 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°
2139	2123	2083	2015	1917	1790	1641	1472	1298	1124	956	807	679	567	467	378	301	239	187	145
100%	99%	97%	94%	90%	84%	77%	69%	61%	53%	45%	38%	32%	26%	22%	18%	14%	11%	9%	7%

#### 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°
2139	2131	2093	2018	1911	1778	1623	1451	1274	1105	942	792	659	539	433	347	273	212	164	125
100%	100%	98%	94%	89%	83%	76%	68%	60%	52%	44%	37%	31%	25%	20%	16%	13%	10%	8%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37.2°	69.4°	93°	98.3%	94.2%