

Light efficiency:

92 Lumen/Watt

Light quality:

CRI: 94.5

Color temperature:

3049 K

Output: 1104 lm

Peak: 1363 cd

Power: 12.0 W

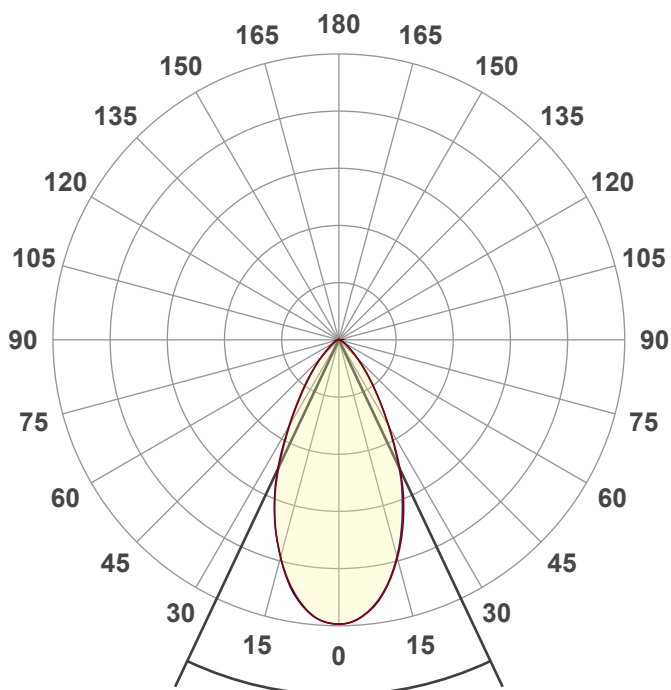
PF: 0.97



GX-10-11LM-30K-90-50D-120-ELV

Date and time:

11/29/2022 2:12:39 PM



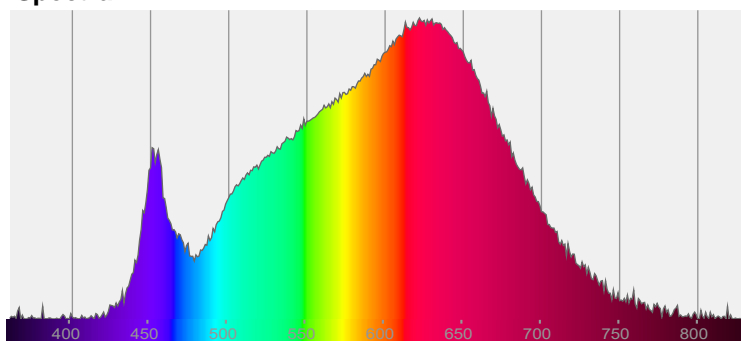
Beam angle

50.5°

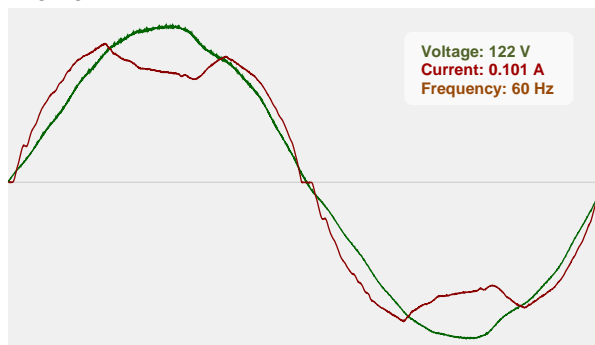


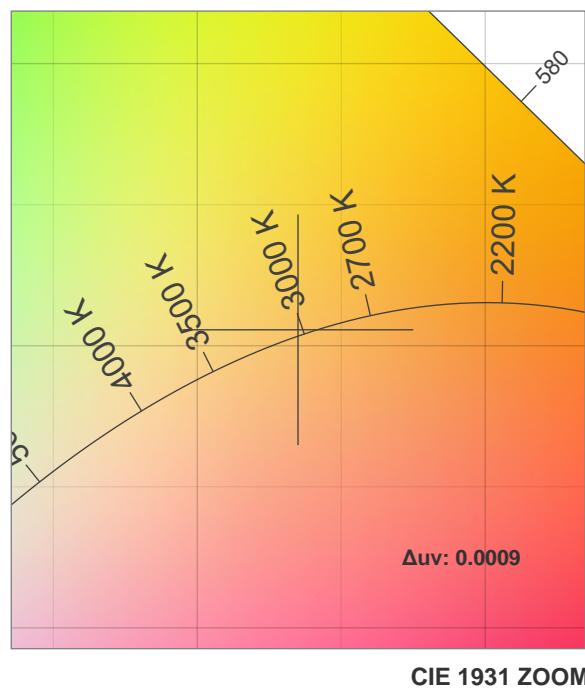
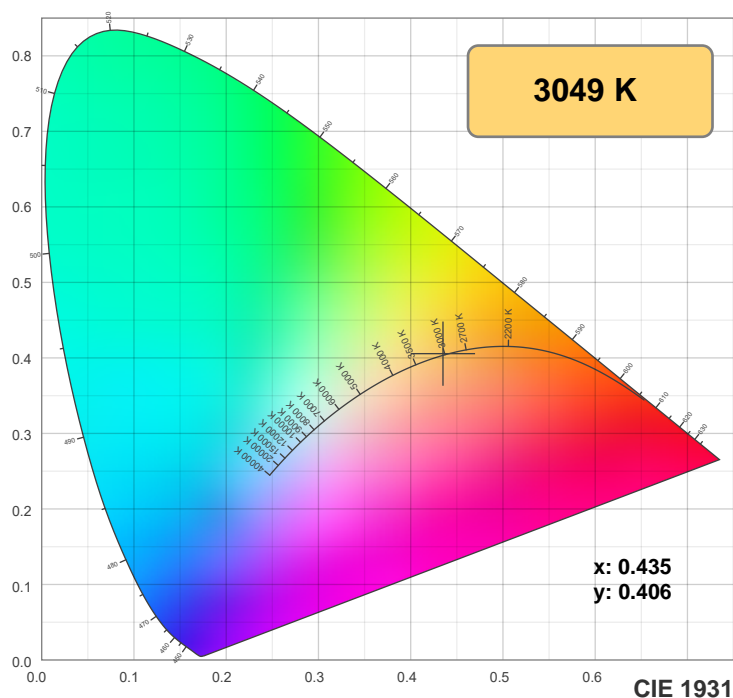
CIE 1931  
x: 0.435  
y: 0.406

Spectra

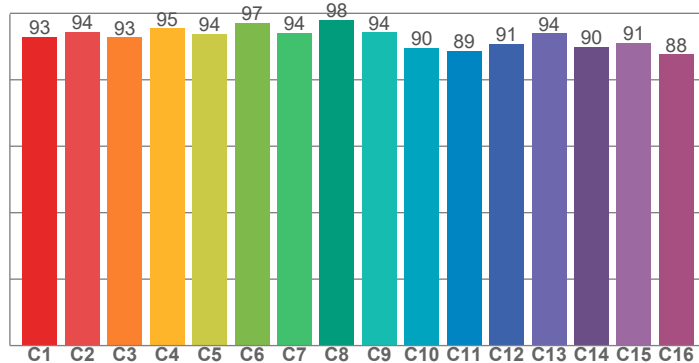


Power

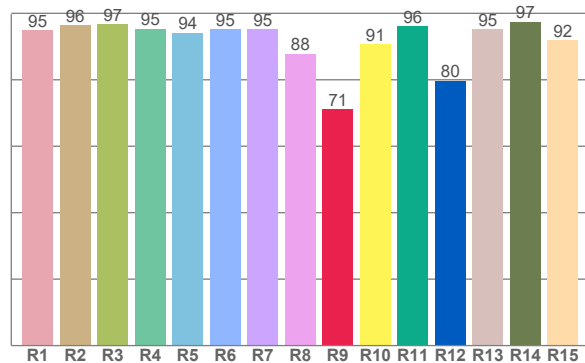




TM30: 92.9



CRI: 94.5 (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
94.8	96.5	96.7	95.3	94.1	95.3	95.2	87.8	71.1	90.8	96.0	79.7	95.2	97.5	91.8

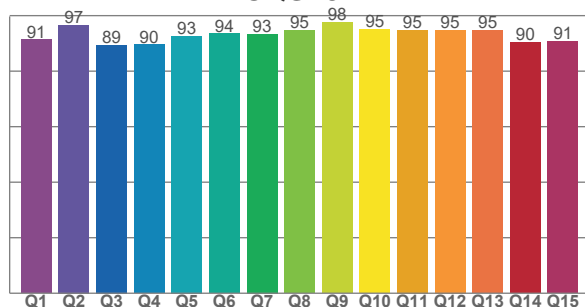
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.0	94.4	92.7	95.4	93.8	97.1	94.2	98.1	94.3	89.6	88.7	90.8	93.9	90.0	91.1	87.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.3	96.6	89.4	89.6	92.7	93.5	93.3	94.7	97.6	95.1	94.9	94.8	94.7	90.4	90.8

CQS: 92.7



## 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
3049 K	94.5	71.1	92.9	99.5	92.7	0.435	0.406	0.249	0.348	0.0009

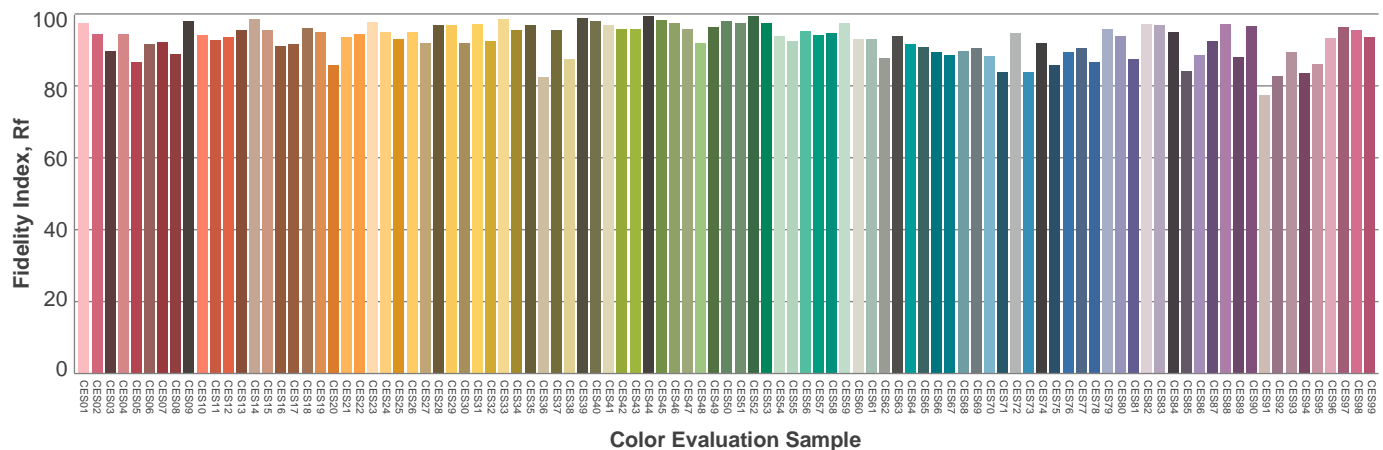
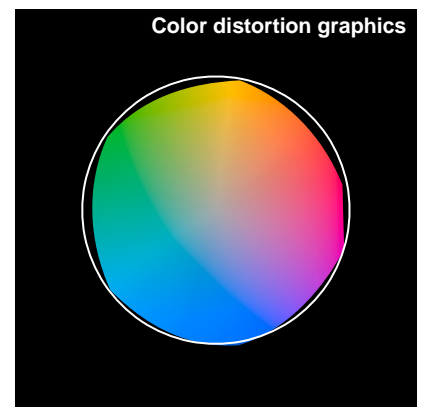
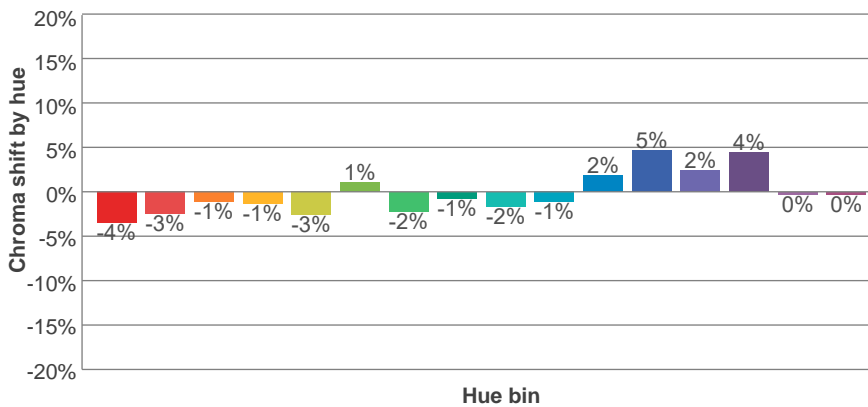
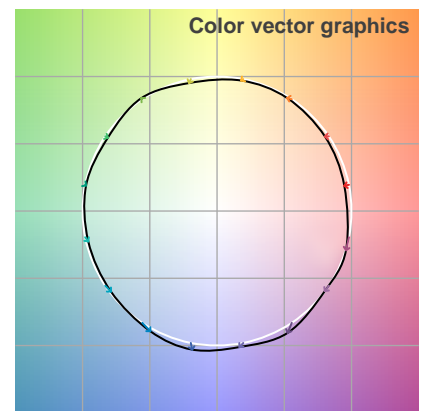
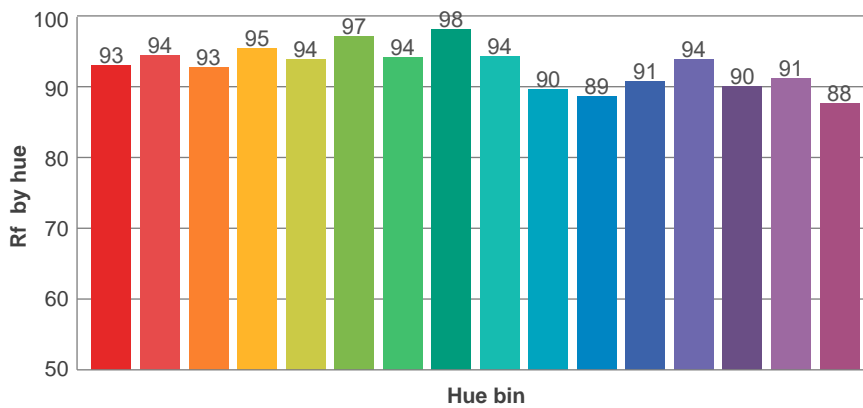
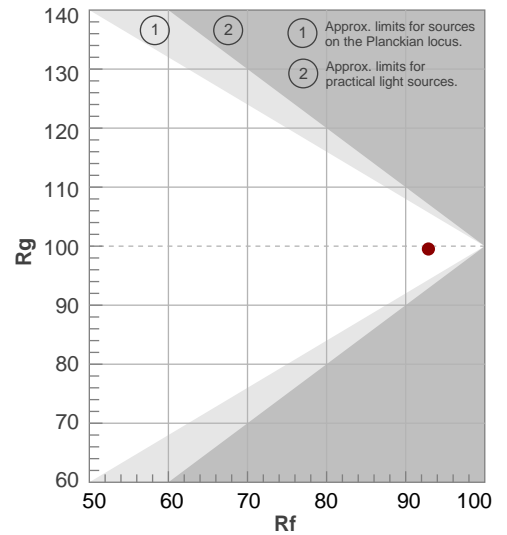
**Rf 92.9**

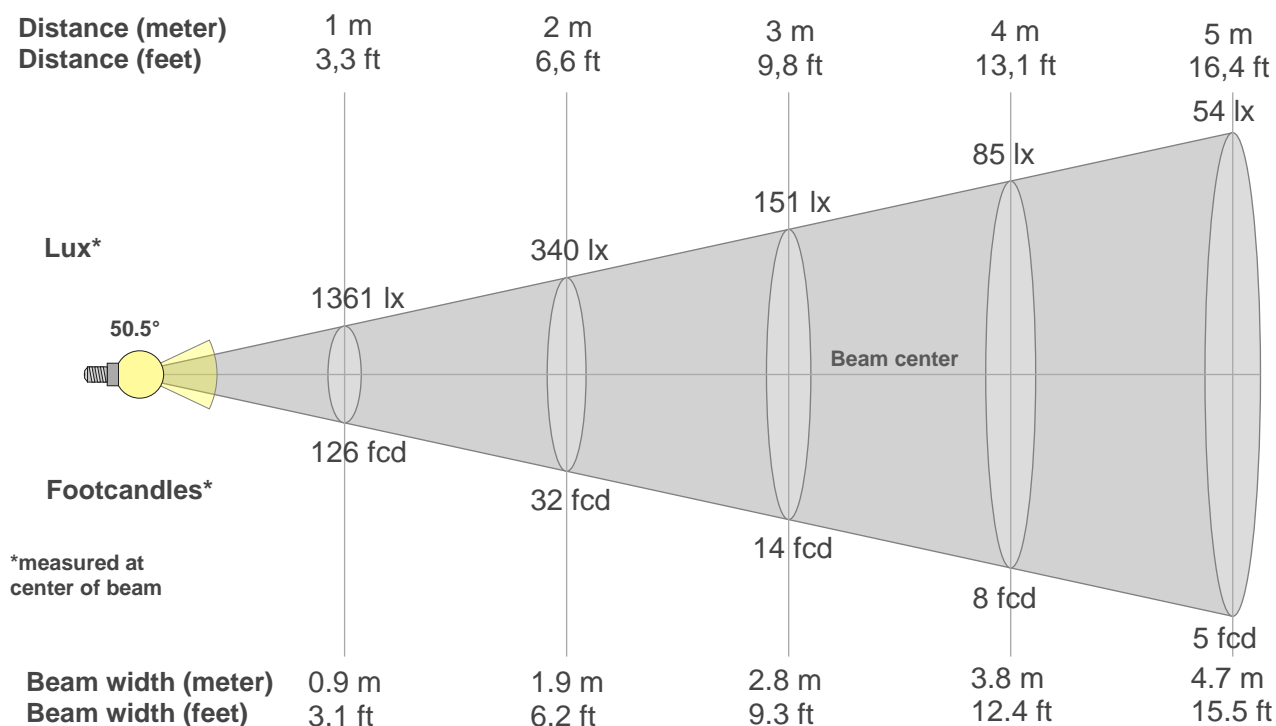
Fidelity index Rf

**Rg 99.5**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	94	-3%	1%
3	93	-1%	3%
4	95	-1%	1%
5	94	-3%	2%
6	97	1%	0%
7	94	-2%	0%
8	98	-1%	0%
9	94	-2%	3%
10	90	-1%	6%
11	89	2%	8%
12	91	5%	2%
13	94	2%	-3%
14	90	4%	-7%
15	91	0%	-5%
16	88	0%	-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
1361lx	340lx	151lx	85lx	54lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
126.5fcd	31.6fcd	14.1fcd	7.9fcd	5.1fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	0.3fcd

#### 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°
1361	1356	1341	1314	1280	1232	1176	1115	1049	980	905	827	743	654	564	481	409	347	292	245
100%	100%	98%	97%	94%	90%	86%	82%	77%	72%	66%	61%	55%	48%	41%	35%	30%	25%	21%	18%

#### 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°
1361	1357	1339	1311	1273	1227	1173	1109	1040	966	889	811	733	641	556	478	409	346	292	247
100%	100%	98%	96%	94%	90%	86%	81%	76%	71%	65%	60%	54%	47%	41%	35%	30%	25%	21%	18%

#### 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°
1361	1357	1344	1316	1277	1230	1175	1112	1044	975	901	823	743	654	565	482	408	344	291	246
100%	100%	99%	97%	94%	90%	86%	82%	77%	72%	66%	60%	55%	48%	41%	35%	30%	25%	21%	18%

#### 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°
1361	1357	1343	1319	1283	1236	1179	1114	1044	974	898	818	732	641	550	471	399	335	281	234
100%	100%	99%	97%	94%	91%	87%	82%	77%	72%	66%	60%	54%	47%	40%	35%	29%	25%	21%	17%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50.5°	88.4°	116.9°	97.7%	90.2%