

Light efficiency:

112 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

3001 K

Output: 4423 lm

Peak: 6350 cd

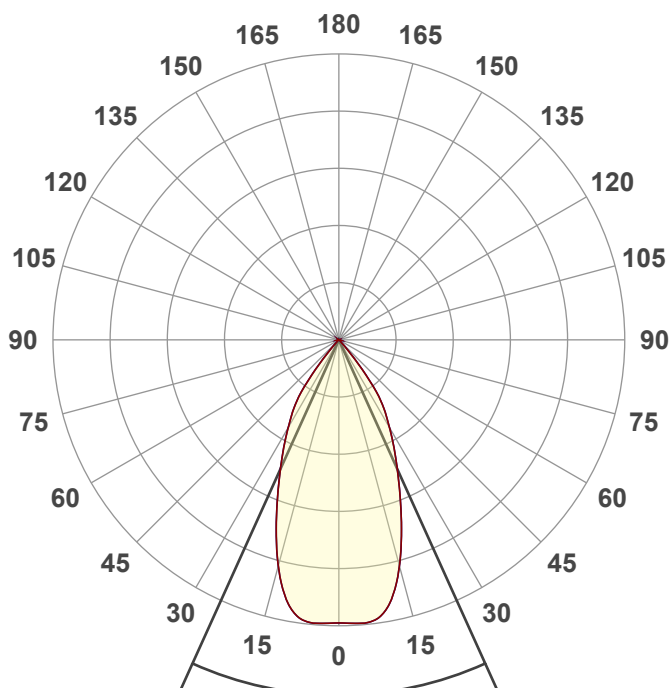
Power: 39.6 W

PF: 0.99



BETA-6R-SW-45LM-30K-80-50D-NL-WH-WH

Date and time:
1/24/2025 4:01:29 PM



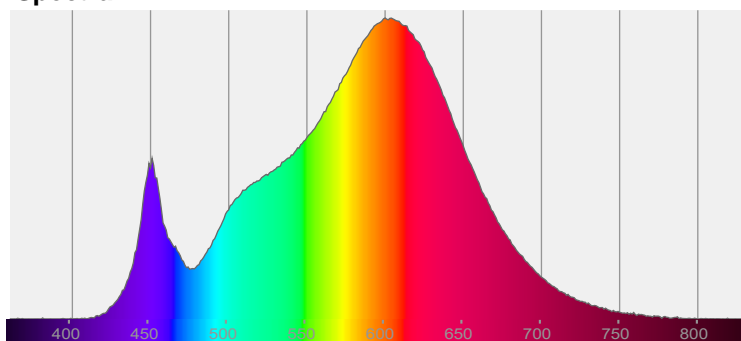
Beam angle

48.7°

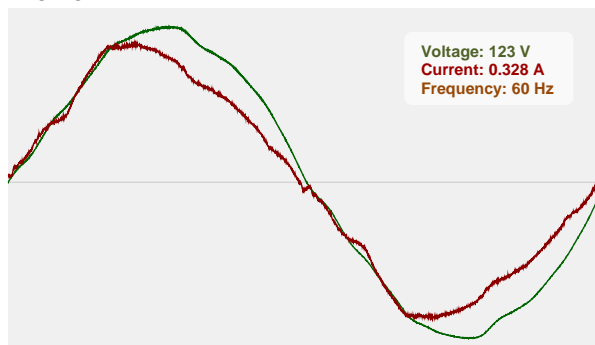


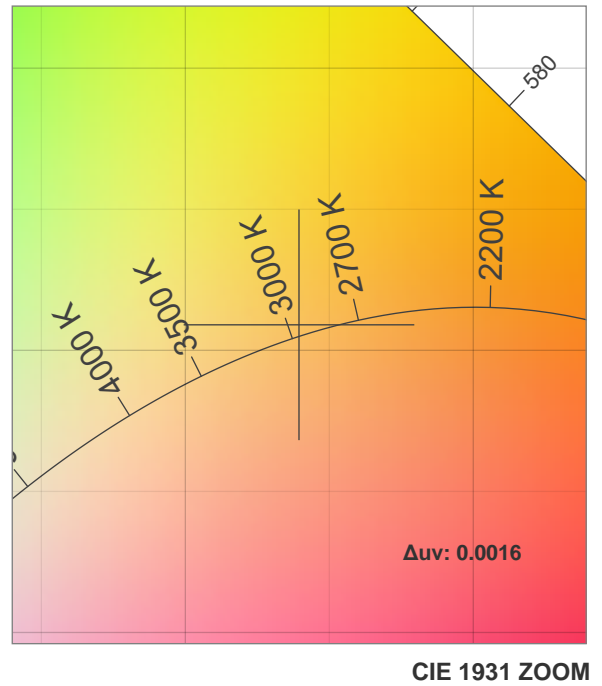
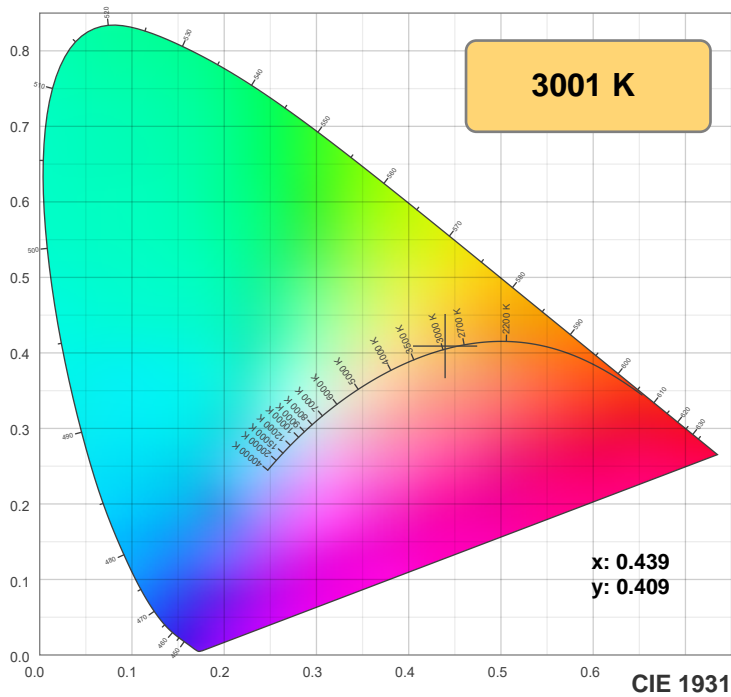
CIE 1931
x: 0.439
y: 0.409

Spectra

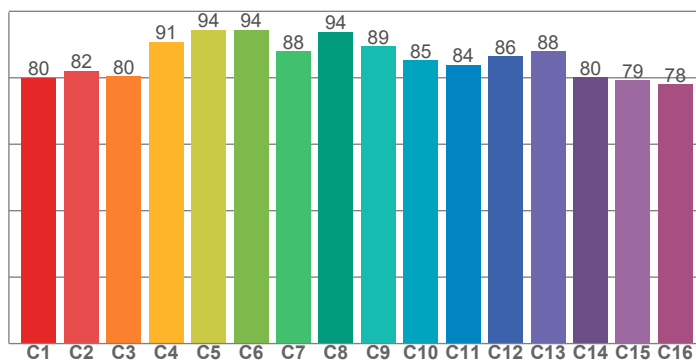


Power

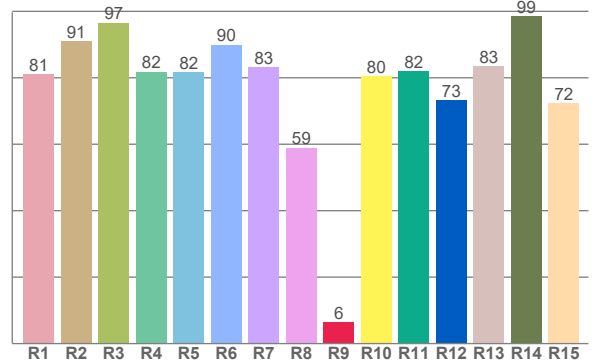




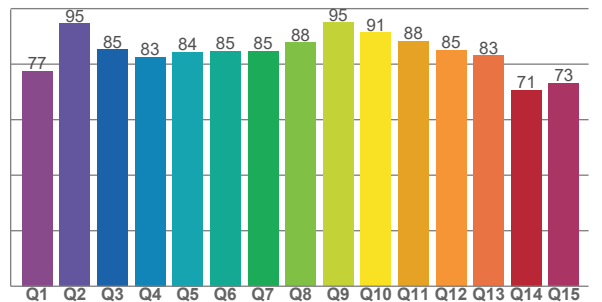
TM30: 85.9



CRI: 83.0 (R1-R8)



CQS: 83.0



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
81.1	91.1	96.6	81.8	81.6	89.9	83.1	58.9	6.3	80.5	82.0	73.2	83.5	98.6	72.3

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
80.0	82.0	80.4	90.7	94.5	94.4	88.0	93.9	89.4	85.3	83.9	86.4	87.9	80.1	79.2	78.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.5	94.6	85.3	82.6	84.4	84.7	84.6	87.8	94.9	91.3	88.2	85.1	83.1	70.7	73.1

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	Δuv
3001 K	83.0	6.3	85.9	95.3	83.0	0.439	0.409	0.250	0.349	0.0016

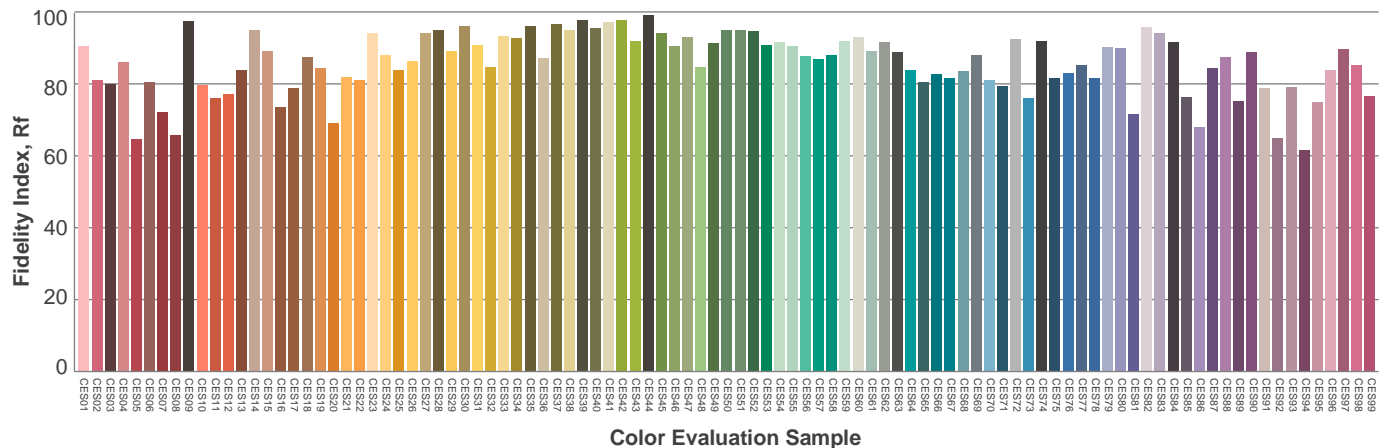
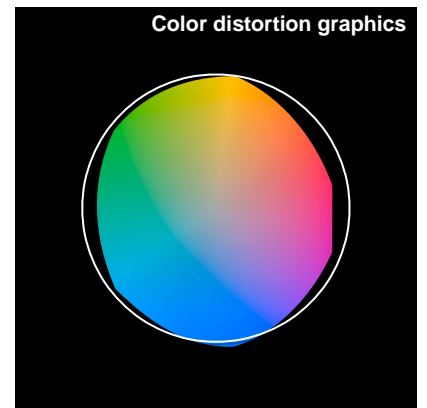
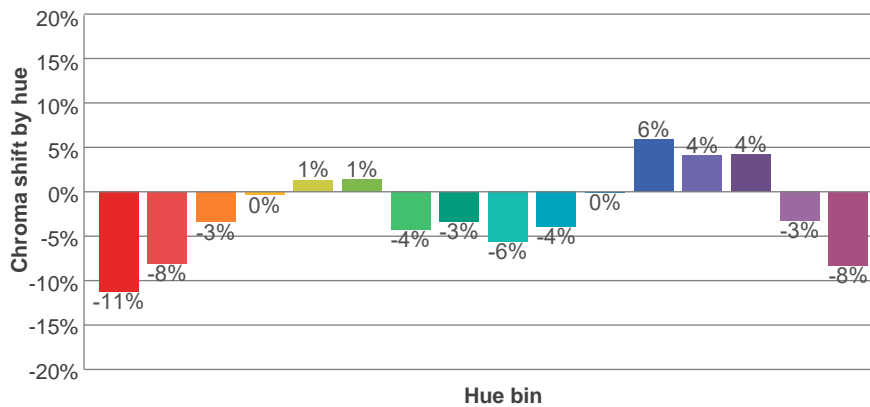
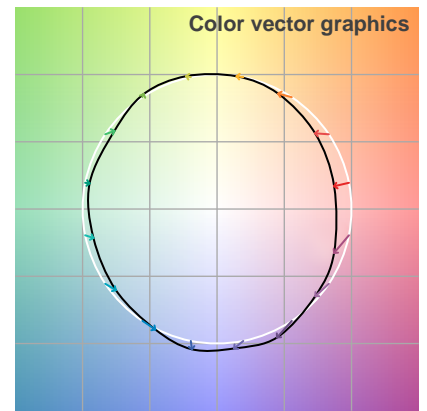
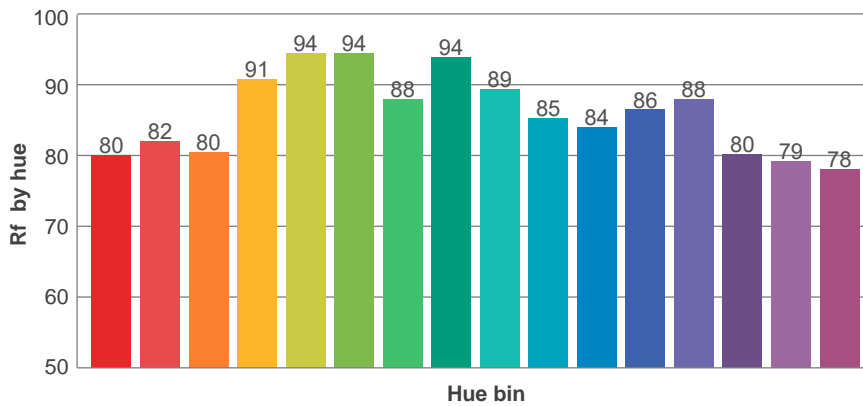
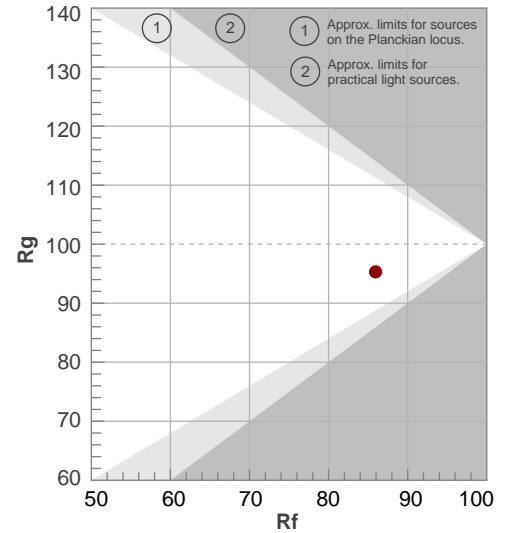
Rf 85.9

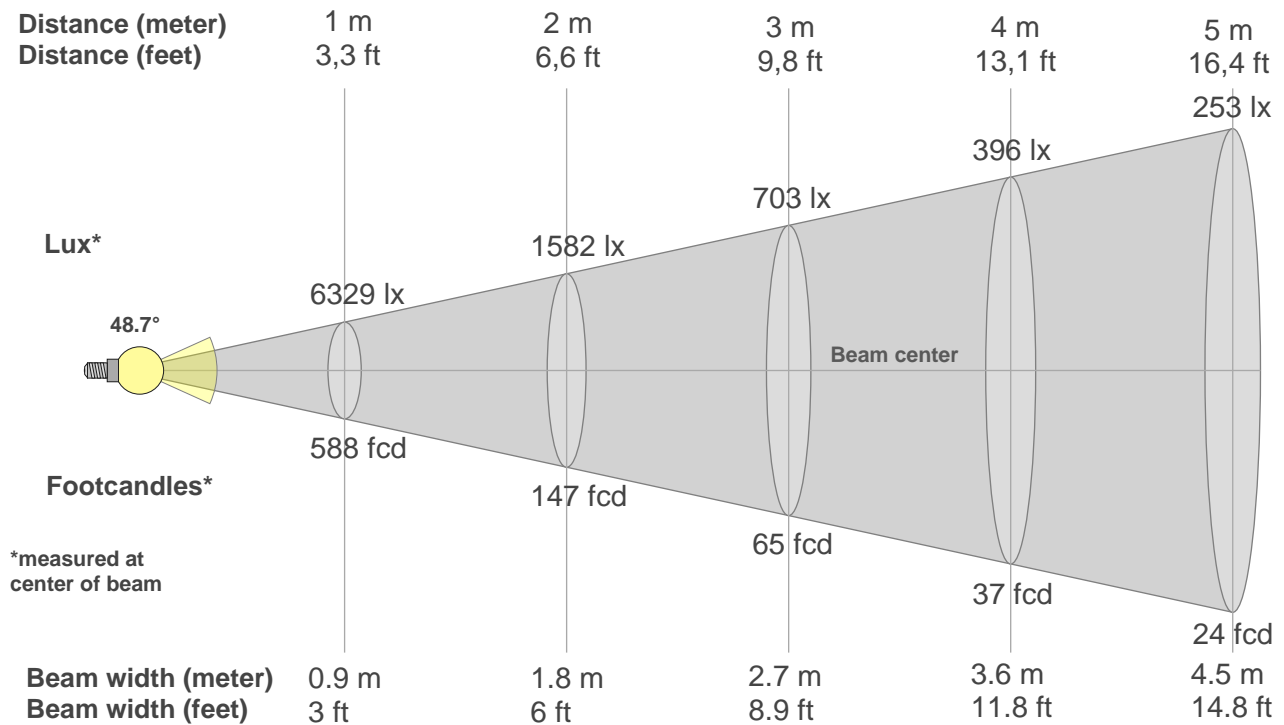
Fidelity index Rf

Rg 95.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	0%
2	82	-8%	6%
3	80	-3%	10%
4	91	0%	5%
5	94	1%	3%
6	94	1%	-2%
7	88	-4%	-6%
8	94	-3%	0%
9	89	-6%	3%
10	85	-4%	8%
11	84	0%	12%
12	86	6%	2%
13	88	4%	-8%
14	80	4%	-16%
15	79	-3%	-13%
16	78	-8%	-15%





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
6329lx	1582lx	703lx	396lx	253lx	176lx	129lx	99lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx	16lx
588fcd	147fcd	65.3fcd	36.7fcd	23.5fcd	16.3fcd	12fcd	9.2fcd	7.3fcd	5.9fcd	4.9fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6329	6337	6347	6344	6274	6094	5810	5438	5002	4528	4065	3631	3235	2881	2564	2266	1996	1720	1387	914
100%	100%	100%	100%	99%	96%	92%	86%	79%	72%	64%	57%	51%	46%	41%	36%	32%	27%	22%	14%

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°
6329	6337	6347	6344	6274	6094	5810	5438	5002	4528	4065	3631	3235	2881	2564	2266	1996	1720	1387	914
100%	100%	100%	100%	99%	96%	92%	86%	79%	72%	64%	57%	51%	46%	41%	36%	32%	27%	22%	14%

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°
6329	6337	6347	6344	6274	6094	5810	5438	5002	4528	4065	3631	3235	2881	2564	2266	1996	1720	1387	914
100%	100%	100%	100%	99%	96%	92%	86%	79%	72%	64%	57%	51%	46%	41%	36%	32%	27%	22%	14%

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°
6329	6337	6347	6344	6274	6094	5810	5438	5002	4528	4065	3631	3235	2881	2564	2266	1996	1720	1387	914
100%	100%	100%	100%	99%	96%	92%	86%	79%	72%	64%	57%	51%	46%	41%	36%	32%	27%	22%	14%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.7°	78.6°	85°	99.9%	99.7%