

Light efficiency:

96 Lumen/Watt

Light quality:

CRI: 82.9

Color temperature:

2924 K

Output: 8313 lm

Peak: 6130 cd

Power: 87.0 W

PF: 1.0



Beam angle

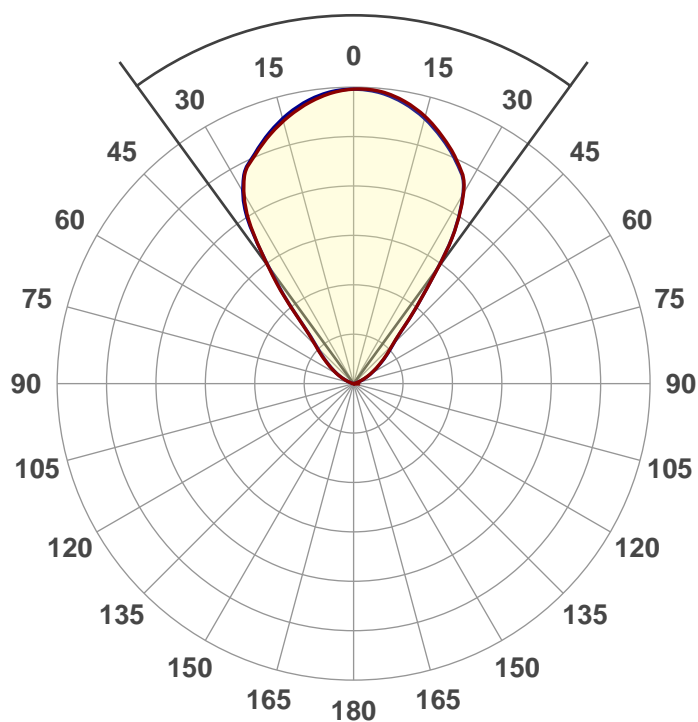
72.1°

Product name:

608XK-9-CXB-90LM-30K-80-WH70-10V-MC-S

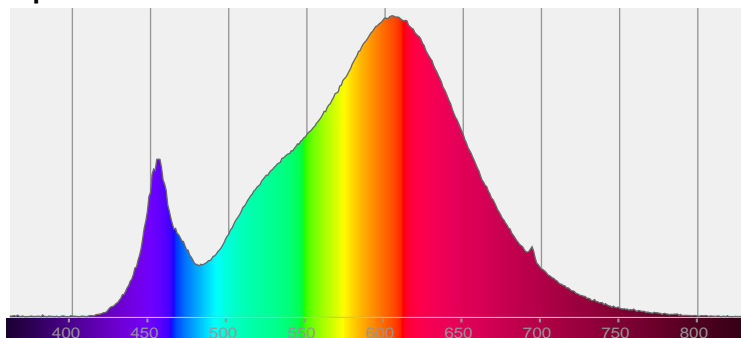
Date and time:

1/3/2018 10:06:51 AM

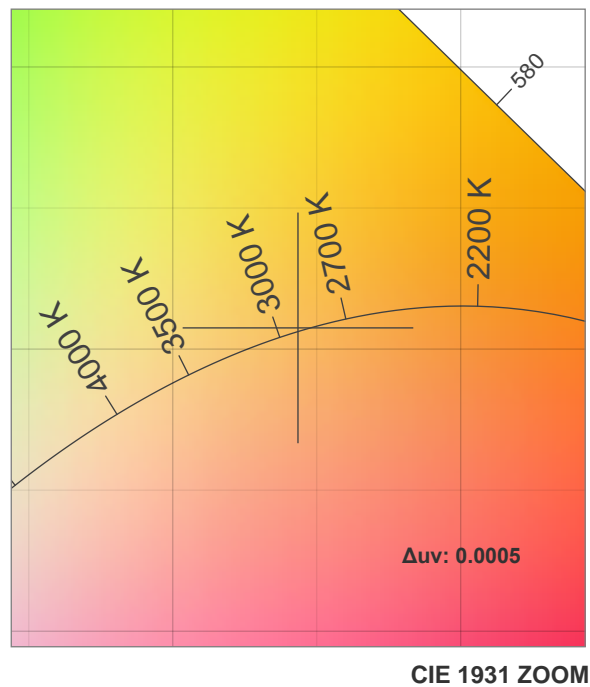
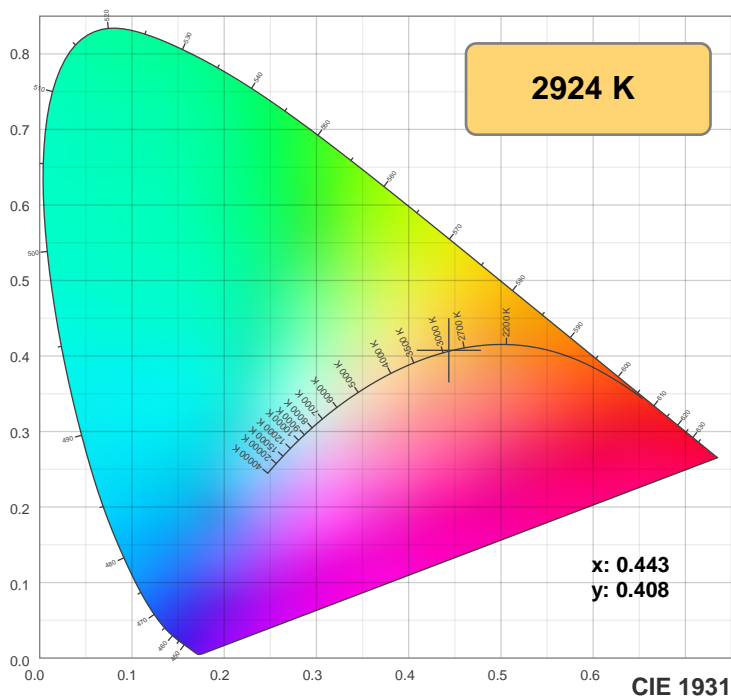


CIE 1931
x: 0.443
y: 0.408

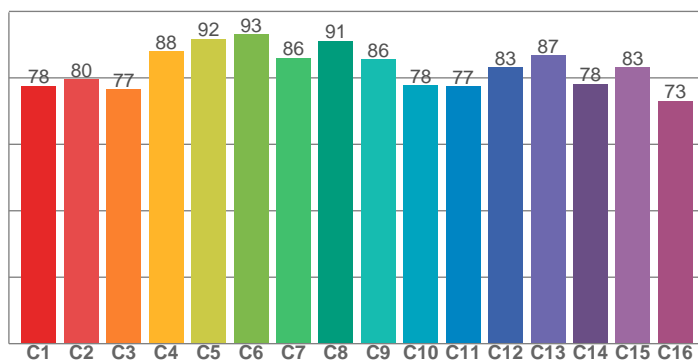
Spectra



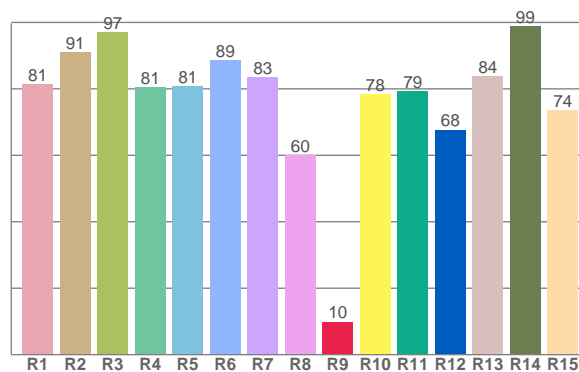
Color details



TM30: 82.7



CRI: 82.9 (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
81.4	90.9	97.0	80.6	80.8	88.6	83.4	60.1	9.9	78.4	79.3	67.7	83.7	98.8	73.6

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
77.5	79.5	76.6	88.0	91.8	93.1	86.0	91.2	85.5	77.7	77.5	83.1	86.7	78.2	83.1	73.0

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	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	x	y	u	v	Δuv
2924 K	82.9	9.9	82.7	95.2	0.443	0.408	0.253	0.349	0.0005

TM30 details

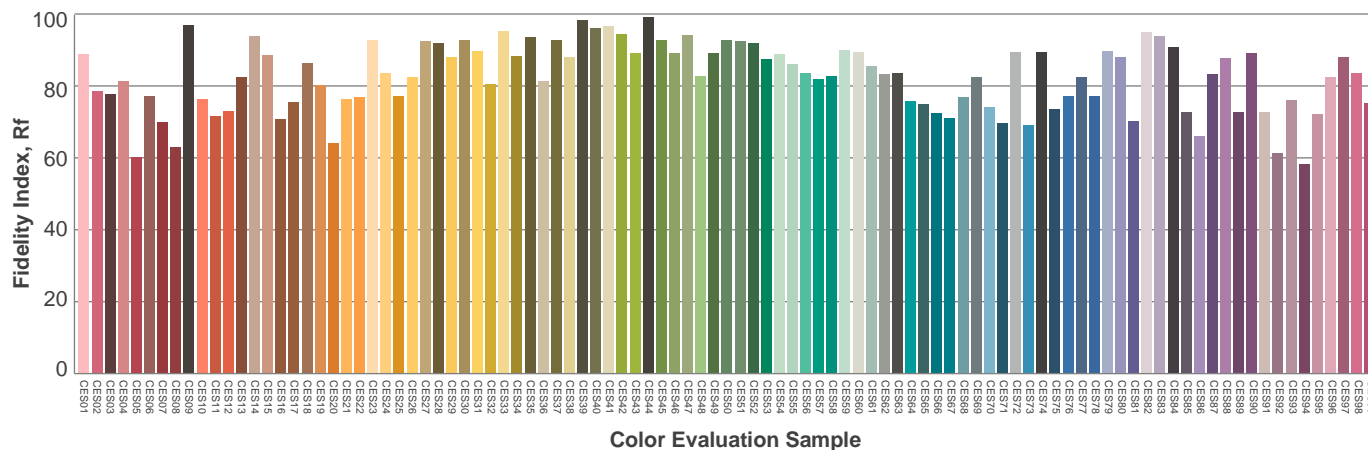
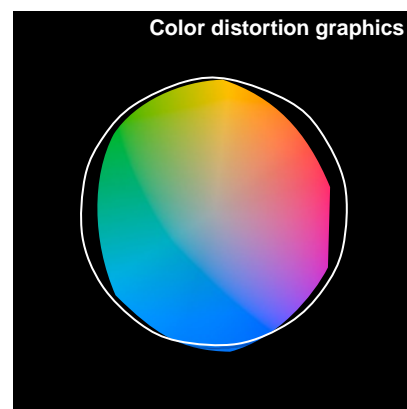
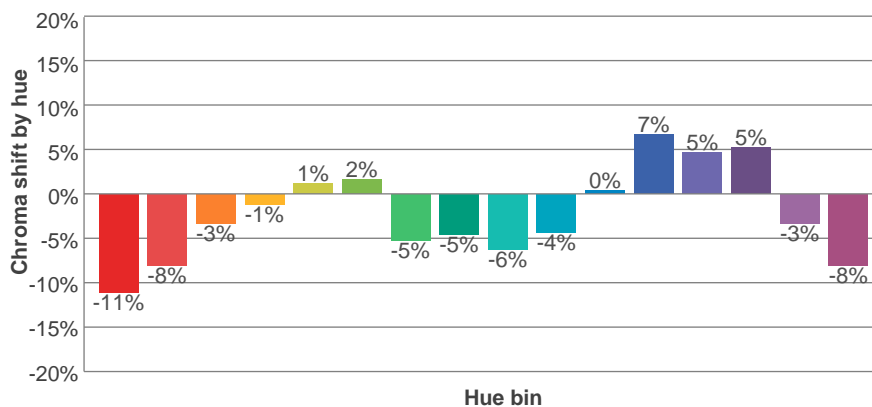
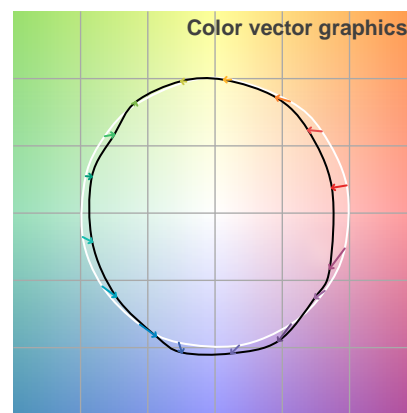
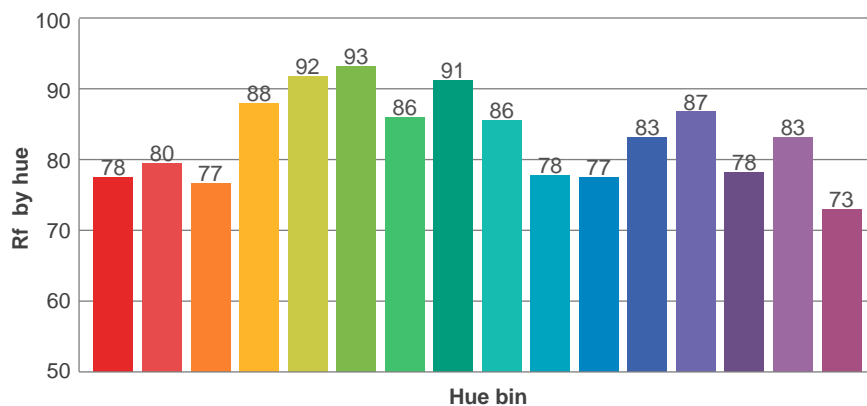
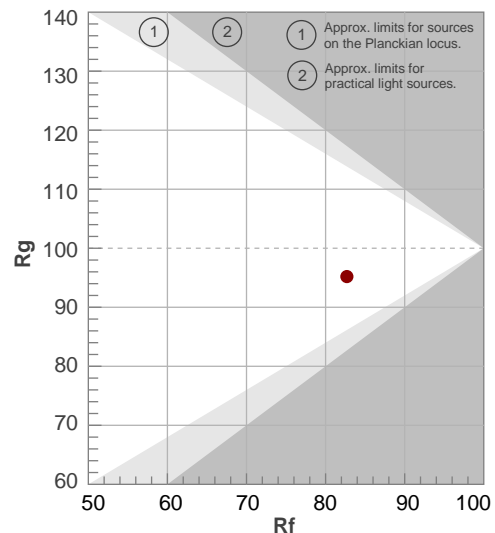
Rf 82.7

Fidelity index Rf

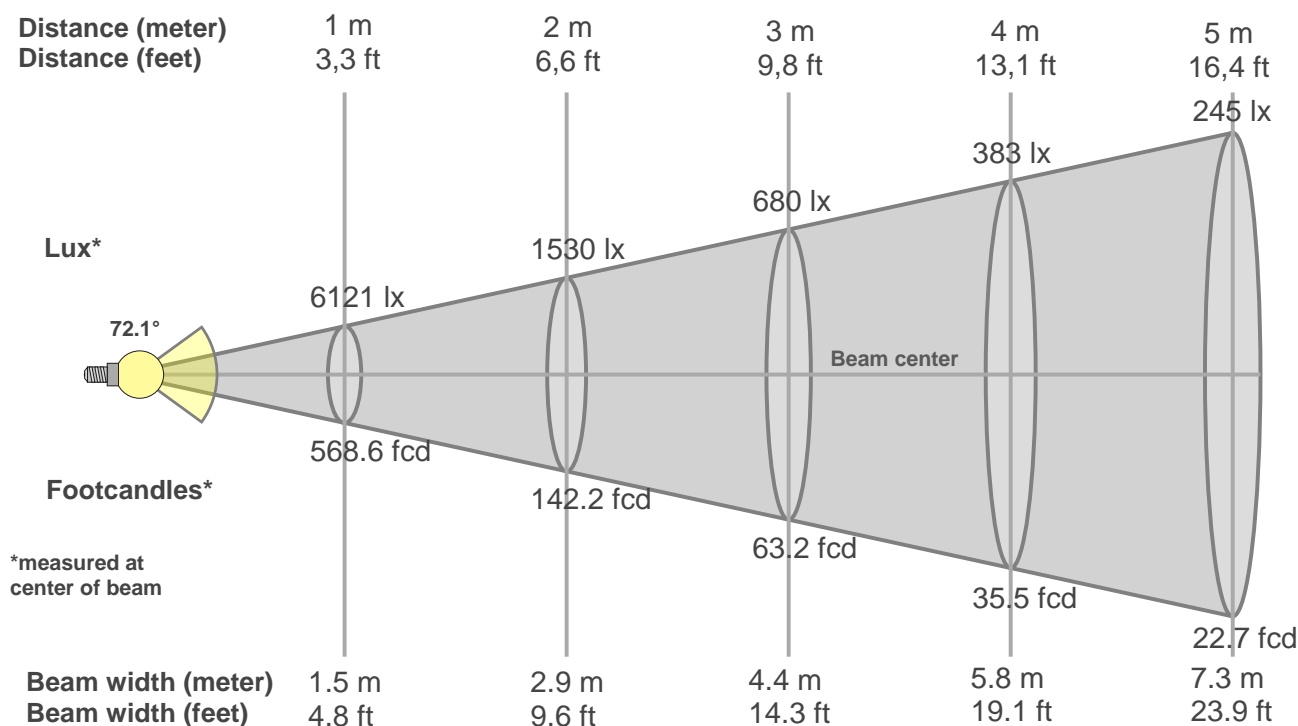
Rg 95.2

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	0%
2	80	-8%	7%
3	77	-3%	11%
4	88	-1%	5%
5	92	1%	4%
6	93	2%	-2%
7	86	-5%	-5%
8	91	-5%	-1%
9	86	-6%	5%
10	78	-4%	12%
11	77	0%	15%
12	83	7%	4%
13	87	5%	-7%
14	78	5%	-15%
15	83	-3%	-9%
16	73	-8%	-17%



Beam details



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
6121lx	1530lx	680lx	383lx	245lx	170lx	125lx	96lx	76lx	61lx	51lx	43lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
568.6fcd	142.2fcd	63.2fcd	35.5fcd	22.7fcd	15.8fcd	11.6fcd	8.9fcd	7fcd	5.7fcd	4.7fcd	3.9fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd	1.4fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
6121	6040	5874	5647	5375	5058	4498	3357	1969	1157	823	583	395	238	114	36	13	9	3	0
100%	99%	96%	92%	88%	83%	73%	55%	32%	19%	13%	10%	6%	4%	2%	1%	0%	0%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
6121	6074	5929	5703	5415	5084	4540	3365	1922	1115	788	555	371	218	101	31	12	8	2	0
100%	99%	97%	93%	88%	83%	74%	55%	31%	18%	13%	9%	6%	4%	2%	1%	0%	0%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
6121	6103	5974	5753	5447	5093	4545	3374	1958	1176	849	602	407	247	120	32	12	8	0	0
100%	100%	98%	94%	89%	83%	74%	55%	32%	19%	14%	10%	7%	4%	2%	1%	0%	0%	0%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
6121	6076	5932	5707	5408	5059	4517	3353	1960	1196	869	616	419	258	126	36	15	11	0	0
100%	99%	97%	93%	88%	83%	74%	55%	32%	20%	14%	10%	7%	4%	2%	1%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
72.1°	108.8°	136.6°	96.4%	85.3%