

Light efficiency:

104 Lumen/Watt

Light quality:

CRI: 83.1

Color temperature:

2998 K

Output: 9013 lm

Peak: 29355 cd

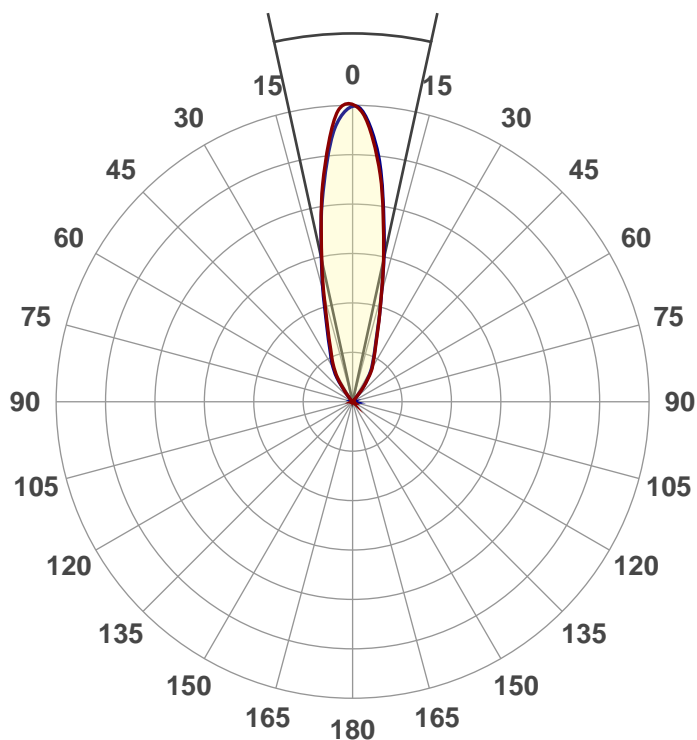
Power: 86.5 W

PF: 1.0



Beam angle

24.6°



Product name:

608XK-9-CXB-90LM-30K-80-SA20-10V-MC-S

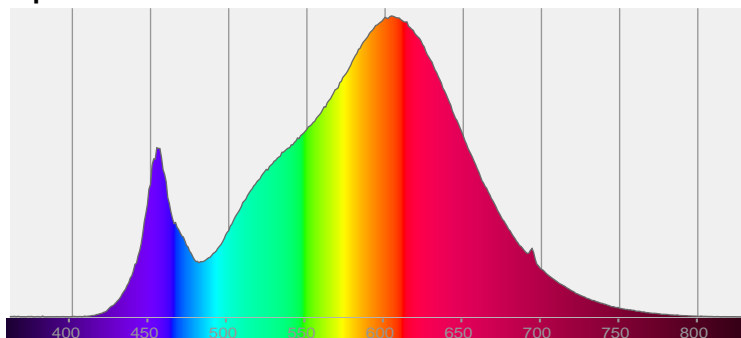
Date and time:

1/3/2018 10:16:31 AM

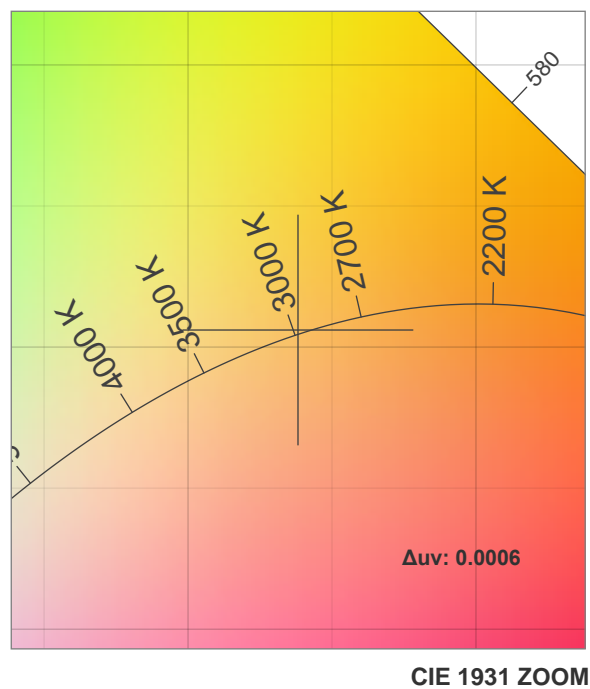
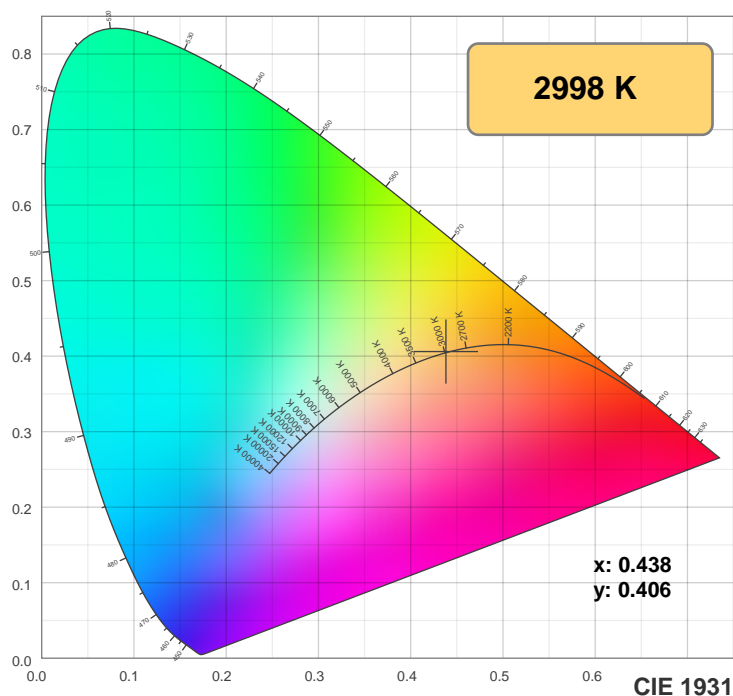


CIE 1931
x: 0.438
y: 0.406

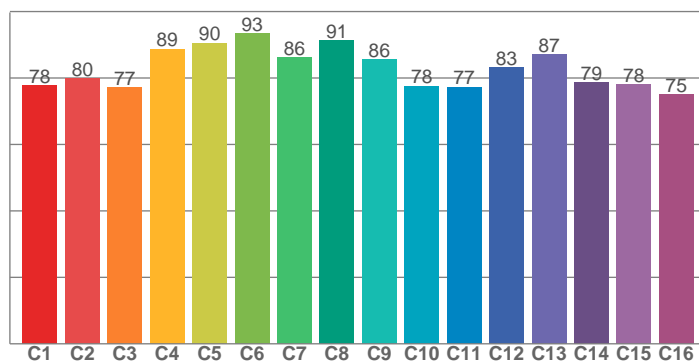
Spectra



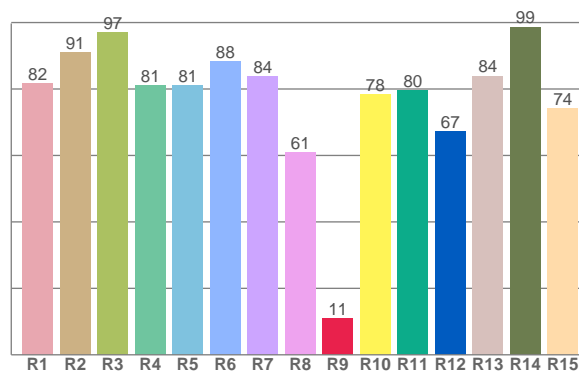
Color details



TM30: 82.8



CRI: 83.1 (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
81.7	90.9	97.0	81.0	81.1	88.5	83.9	61.0	11.0	78.3	79.7	67.1	84.0	98.7	74.1

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
77.8	79.9	77.1	88.7	90.5	93.3	86.2	91.3	85.5	77.5	77.2	83.2	87.1	78.6	78.0	75.1

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
2998 K	83.1	11.0	82.8	95.3	0.438	0.406	0.251	0.348	0.0006

TM30 details

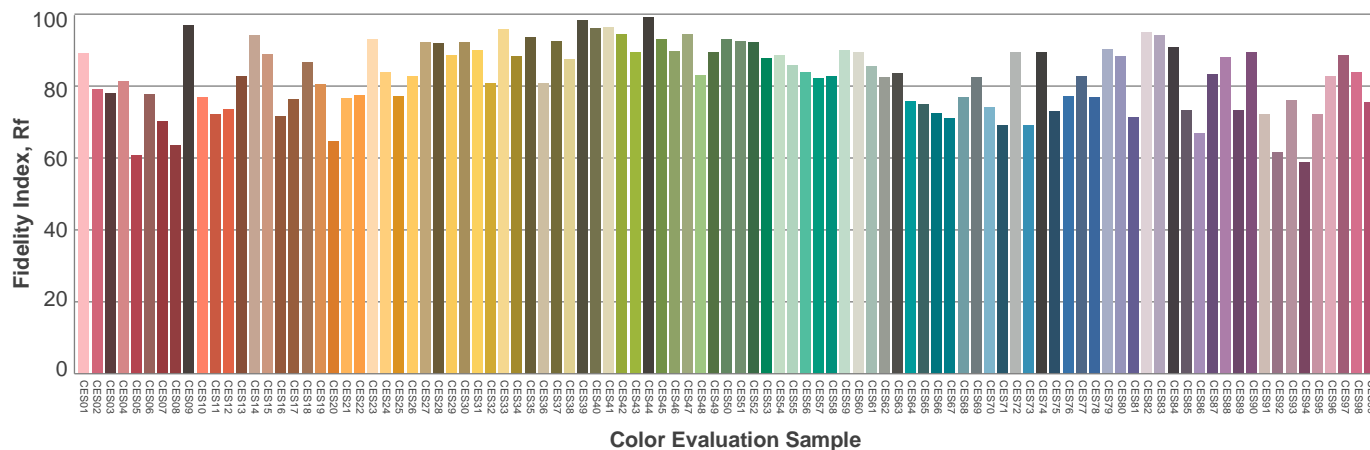
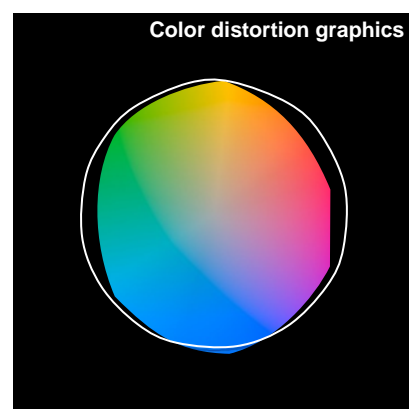
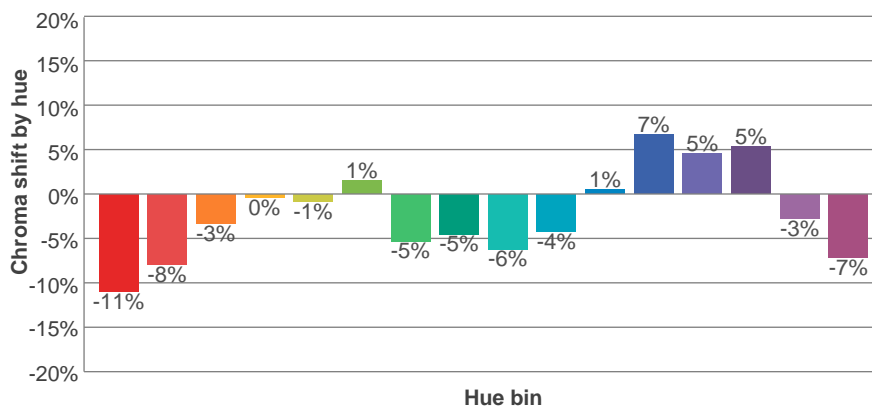
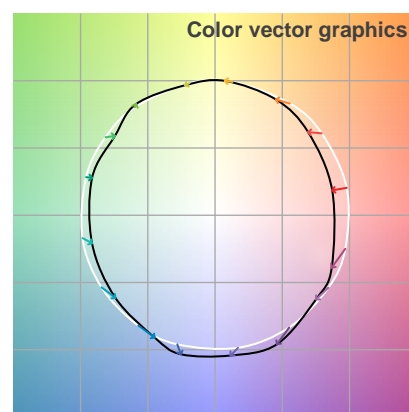
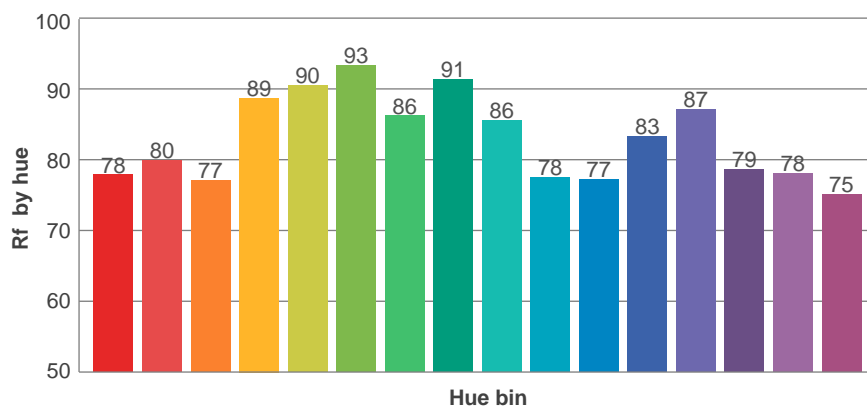
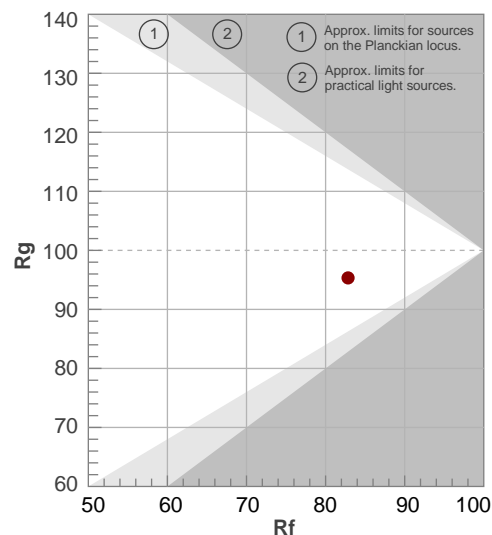
Rf 82.8

Fidelity index Rf

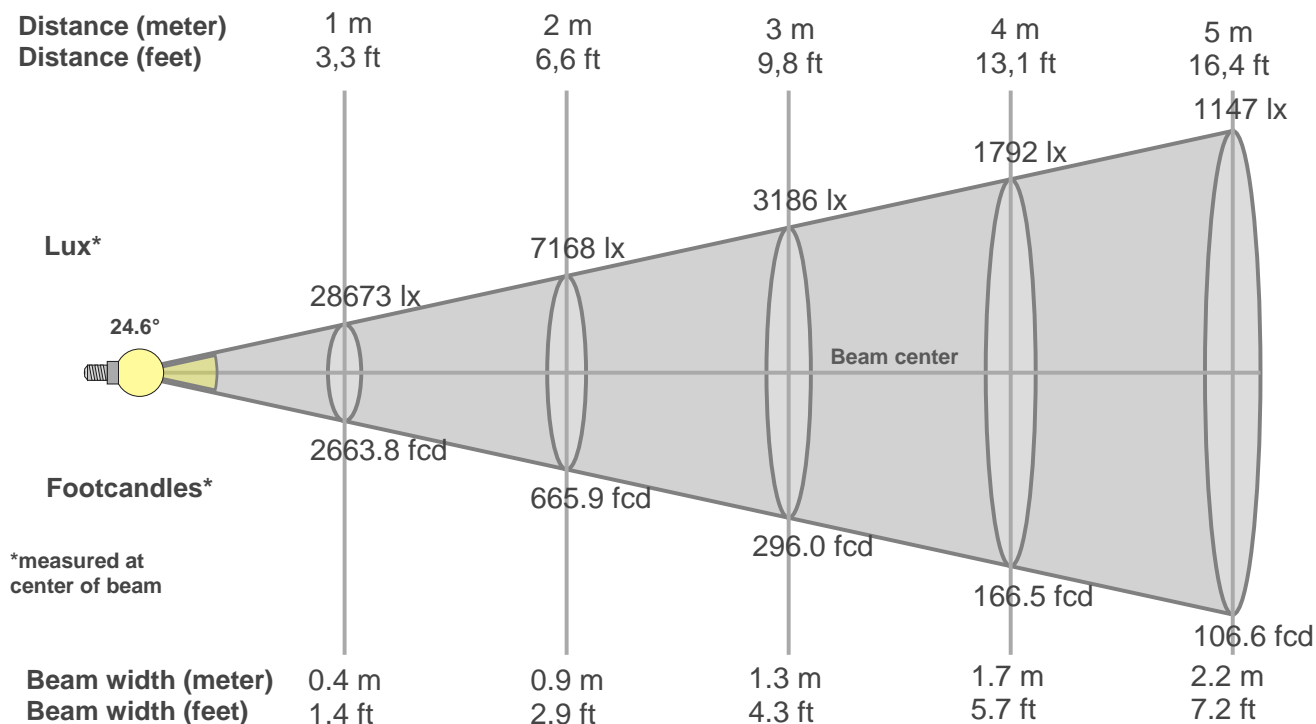
Rg 95.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	0%
2	80	-8%	6%
3	77	-3%	10%
4	89	0%	6%
5	90	-1%	4%
6	93	1%	-2%
7	86	-5%	-5%
8	91	-5%	0%
9	86	-6%	5%
10	78	-4%	12%
11	77	1%	15%
12	83	7%	4%
13	87	5%	-7%
14	79	5%	-15%
15	78	-3%	-12%
16	75	-7%	-16%



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
28673lx	7168lx	3186lx	1792lx	1147lx	796lx	585lx	448lx	354lx	287lx	237lx	199lx	170lx	146lx	127lx	112lx	99lx	88lx	79lx	72lx
2663.8fcd	665.9fcd	296fcd	166.5fcd	106.6fcd	74fcd	54.4fcd	41.6fcd	32.9fcd	26.6fcd	22fcd	18.5fcd	15.8fcd	13.6fcd	11.8fcd	10.4fcd	9.2fcd	8.2fcd	7.4fcd	6.7fcd

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°
28.7K	28.8K	27.2K	24.4K	21.5K	18.2K	14.9K	12.4K	10.2K	8.2K	7.1K	6.0K	5.2K	4.6K	4.0K	3.4K	2.9K	2.2K	1.5K	0.9K
100%	100%	95%	85%	75%	63%	52%	43%	36%	29%	25%	21%	18%	16%	14%	12%	10%	8%	5%	3%

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°
28.7K	27.8K	26.7K	23.8K	21.0K	18.1K	15.2K	12.5K	10.6K	8.6K	7.4K	6.4K	5.5K	4.9K	4.3K	3.8K	3.2K	2.5K	1.7K	0.9K
100%	97%	93%	83%	73%	63%	53%	44%	37%	30%	26%	22%	19%	17%	15%	13%	11%	9%	6%	3%

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°
28.7K	28.6K	26.2K	23.8K	21.0K	17.8K	14.8K	12.5K	10.2K	8.6K	7.4K	6.2K	5.5K	4.9K	4.3K	3.9K	3.3K	2.6K	2.0K	1.3K
100%	100%	91%	83%	73%	62%	52%	44%	36%	30%	26%	22%	19%	17%	15%	13%	12%	9%	7%	5%

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°
28.7K	28.4K	26.4K	24.5K	21.3K	18.0K	15.1K	12.6K	10.0K	8.6K	7.1K	6.1K	5.4K	4.7K	4.2K	3.6K	3.1K	2.4K	1.8K	1.2K
100%	99%	92%	85%	74%	63%	53%	44%	35%	30%	25%	21%	19%	16%	15%	13%	11%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.6°	65.2°	78.7°	99.8%	99.7%