

Light efficiency:

97 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

3008 K

Output: 10606 lm

Peak: 20294 cd

Power: 110 W

PF: 1.0



Beam angle

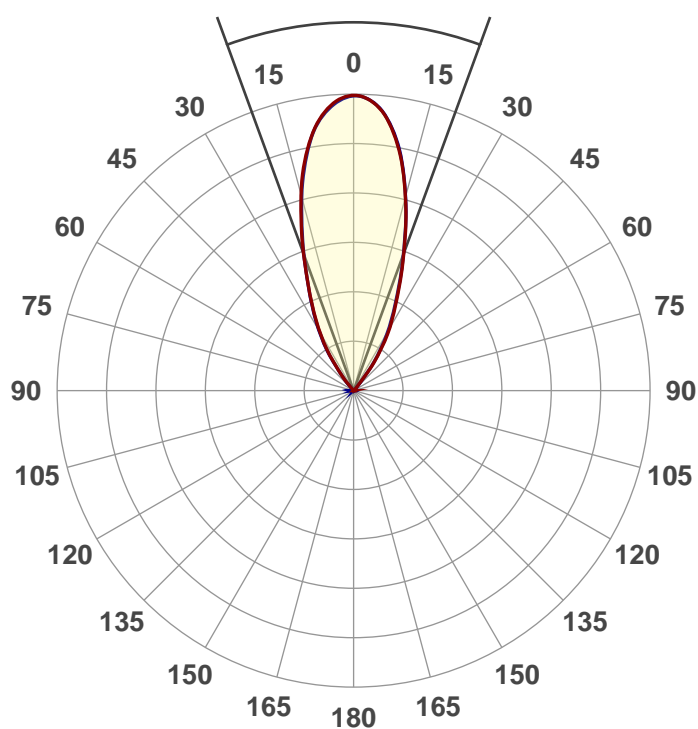
40.2°

Product name:

608XK-9-CXB-110LM-30K-80-
SA40-10V-MC-S

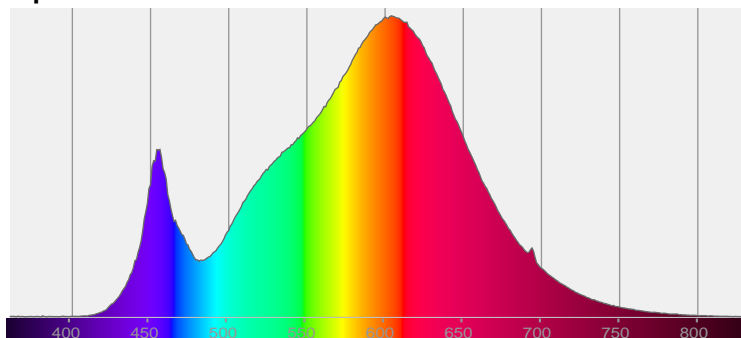
Date and time:

1/3/2018 8:43:45 AM

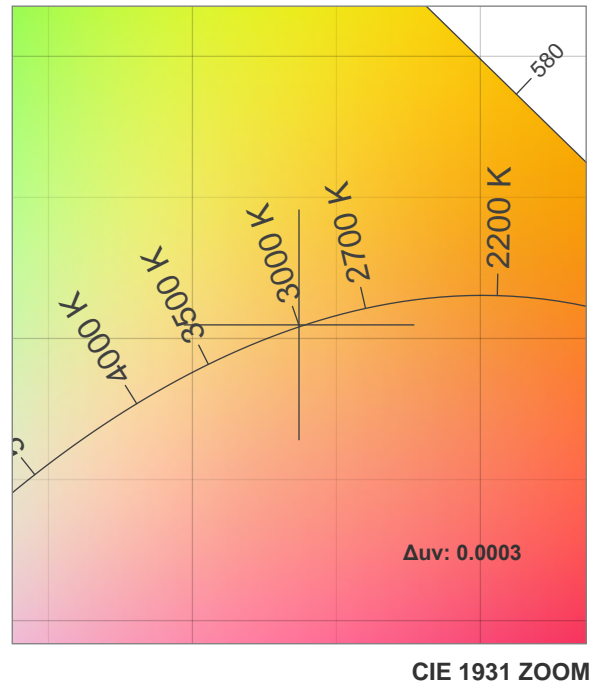
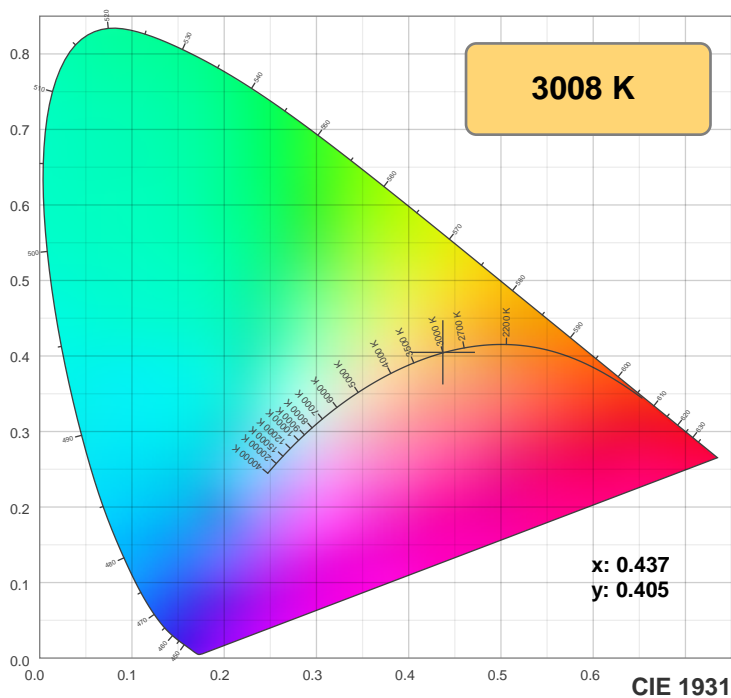


CIE 1931
x: 0.437
y: 0.405

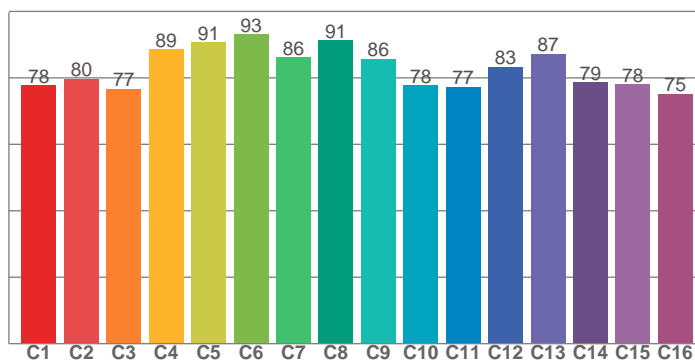
Spectra



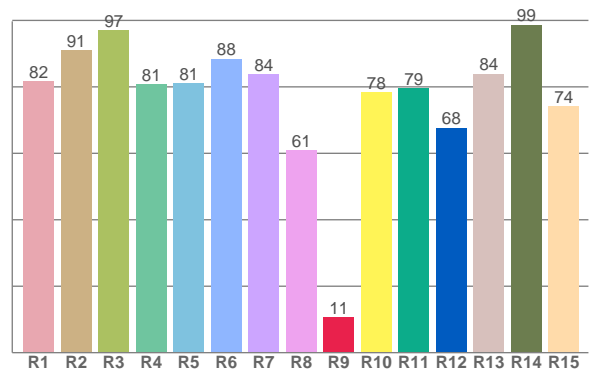
Color details



TM30: 82.8



CRI: 83.0 (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
81.6	91.0	96.9	80.8	81.0	88.5	83.7	60.8	10.6	78.4	79.5	67.7	83.9	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	79.7	76.7	88.5	90.6	93.1	86.2	91.2	85.6	77.7	77.3	83.2	87.2	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
3008 K	83.0	10.6	82.8	95.4	0.437	0.405	0.250	0.348	0.0003

TM30 details

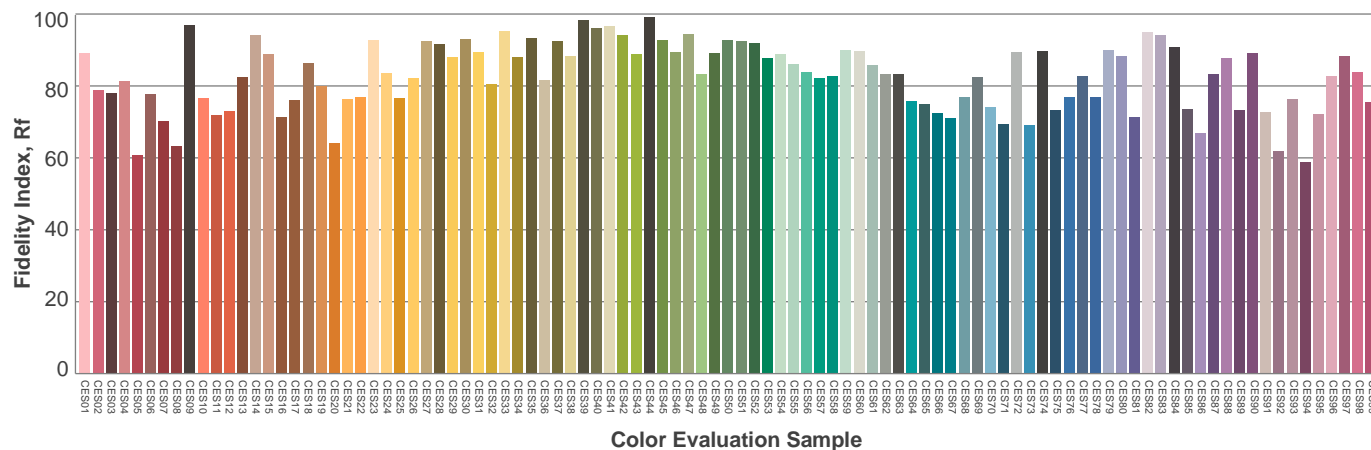
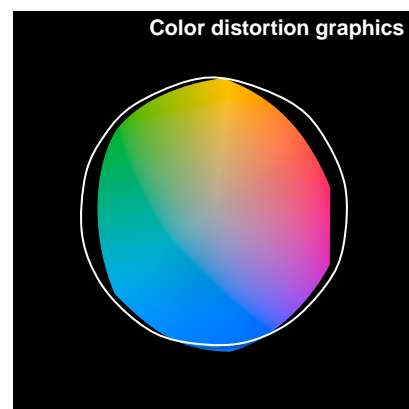
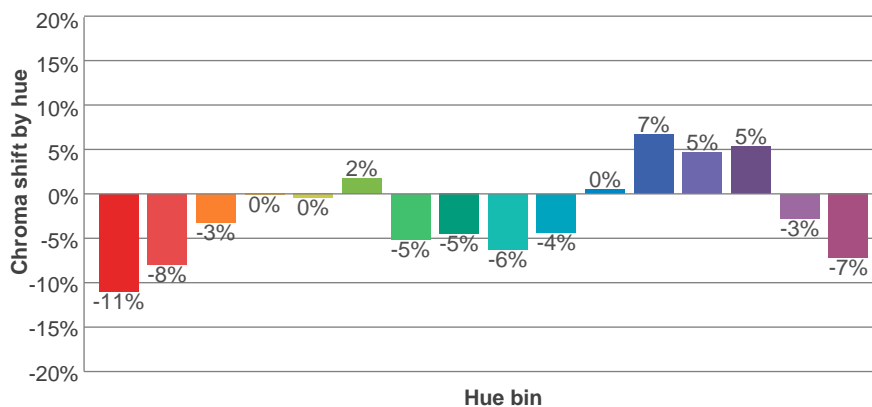
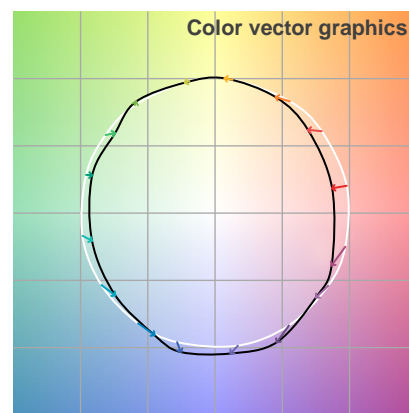
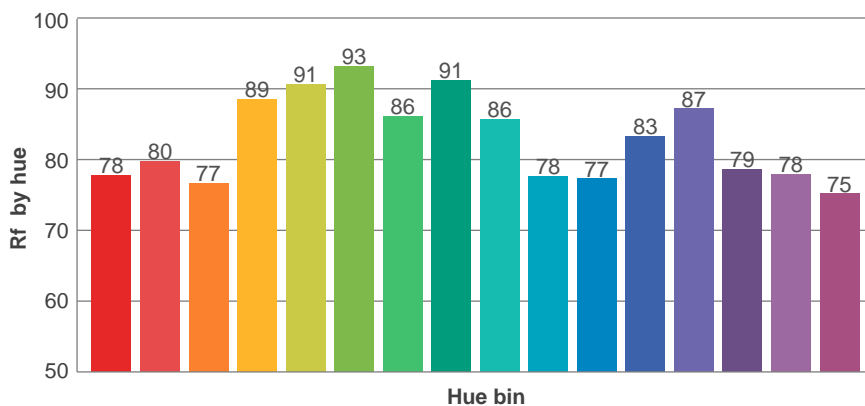
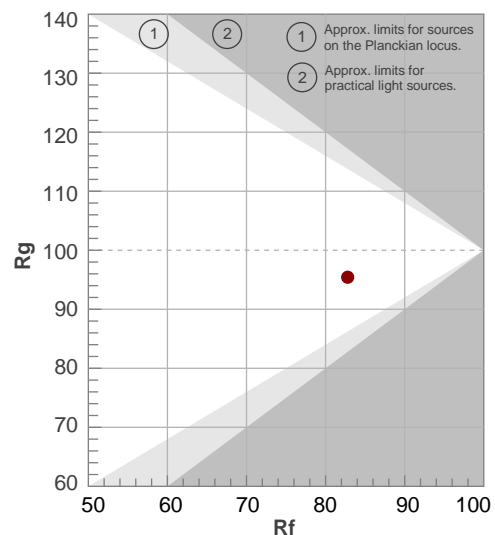
Rf 82.8

Fidelity index Rf

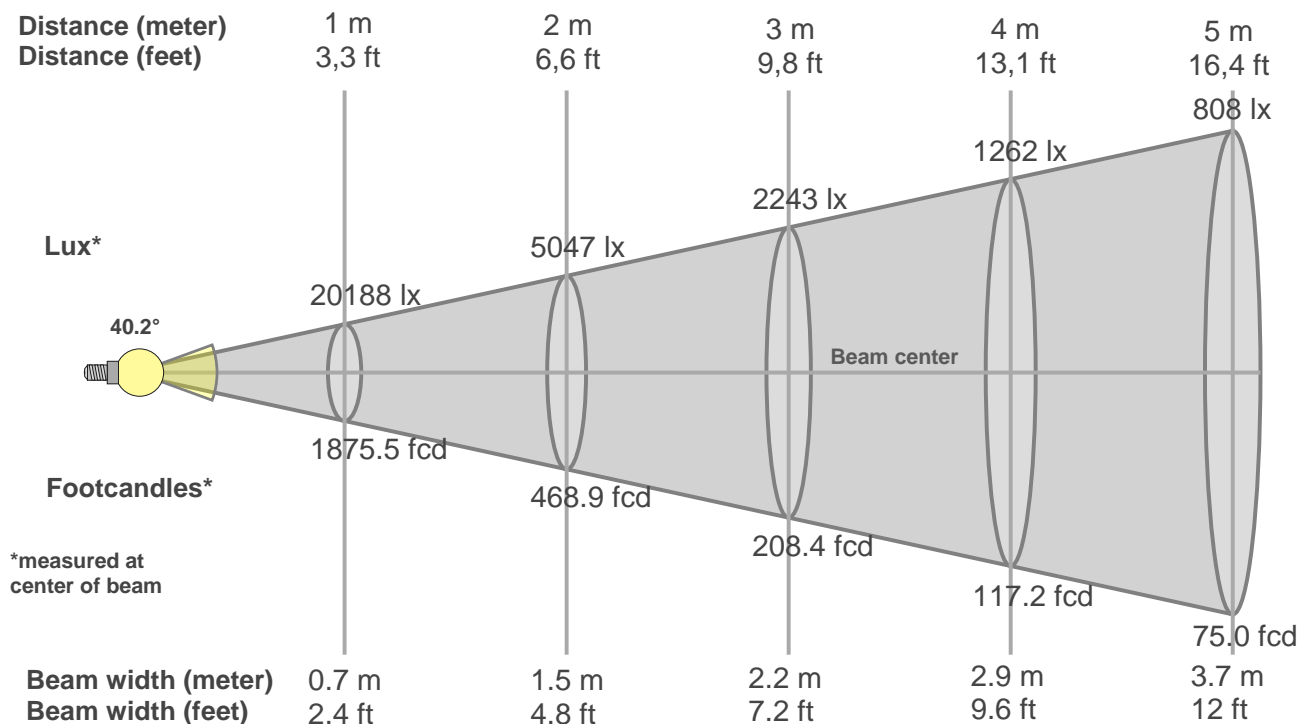
Rg 95.4

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	0%
2	80	-8%	7%
3	77	-3%	10%
4	89	0%	6%
5	91	0%	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%	-6%
14	79	5%	-14%
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
20188lx	5047lx	2243lx	1262lx	808lx	561lx	412lx	315lx	249lx	202lx	167lx	140lx	119lx	103lx	90lx	79lx	70lx	62lx	56lx	50lx
1875.5fcd	468.9fcd	208.4fcd	117.2fcd	75fcd	52.1fcd	38.3fcd	29.3fcd	23.2fcd	18.8fcd	15.5fcd	13fcd	11.1fcd	9.6fcd	8.3fcd	7.3fcd	6.5fcd	5.8fcd	5.2fcd	4.7fcd

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°
20.2K	20.1K	19.8K	19.1K	18.4K	17.3K	16.1K	14.7K	13.2K	11.6K	10.2K	8.8K	7.5K	6.5K	5.5K	4.7K	3.8K	3.0K	2.1K	1.3K
100%	99%	98%	95%	91%	86%	80%	73%	65%	58%	50%	44%	37%	32%	27%	23%	19%	15%	11%	7%

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°
20.2K	20.0K	19.7K	19.0K	18.3K	17.3K	15.9K	14.6K	13.0K	11.5K	10.1K	8.8K	7.5K	6.6K	5.6K	4.8K	3.9K	3.1K	2.2K	1.3K
100%	99%	98%	94%	91%	85%	79%	72%	65%	57%	50%	44%	37%	33%	28%	24%	19%	15%	11%	6%

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°
20.2K	20.2K	19.7K	19.2K	18.3K	17.2K	16.0K	14.5K	13.1K	11.6K	10.2K	8.9K	7.8K	6.6K	5.8K	5.0K	4.1K	3.2K	2.4K	1.6K
100%	100%	98%	95%	90%	85%	79%	72%	65%	58%	50%	44%	38%	33%	29%	25%	20%	16%	12%	8%

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°
20.2K	20.1K	19.7K	19.3K	18.3K	17.3K	16.0K	14.5K	13.1K	11.6K	10.1K	8.8K	7.6K	6.5K	5.6K	4.7K	3.9K	3.0K	2.2K	1.4K
100%	100%	98%	96%	91%	86%	79%	72%	65%	57%	50%	44%	38%	32%	28%	23%	19%	15%	11%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.2°	72.9°	81.8°	99.8%	99.7%