

Light efficiency:

89 Lumen/Watt

Light quality:

CRI: 82.7

Color temperature:

2933 K

Output: 9861 lm

Peak: 7294 cd

Power: 110 W

PF: 1.0



Beam angle

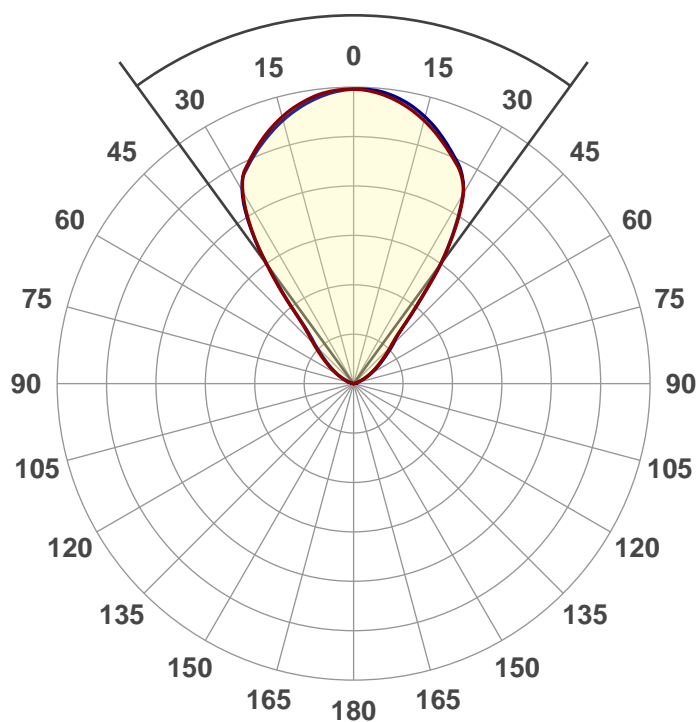
72.1°

Product name:

608XK-9-CXB-110LM-30K-80-WH70-10V-MC-S

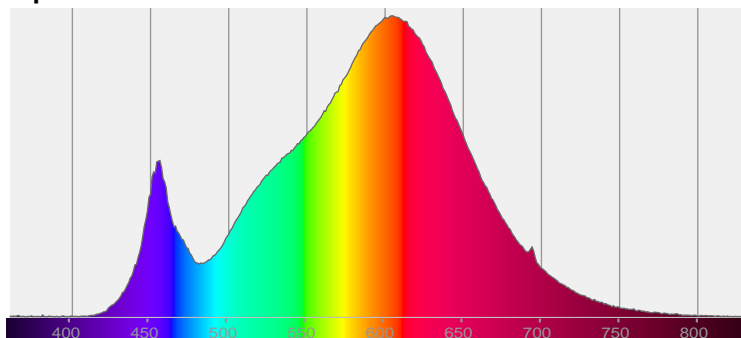
Date and time:

1/3/2018 8:48:48 AM

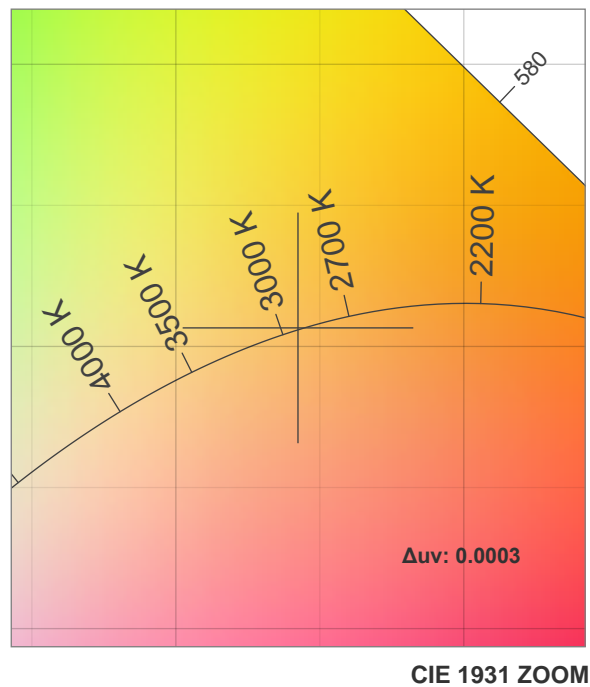
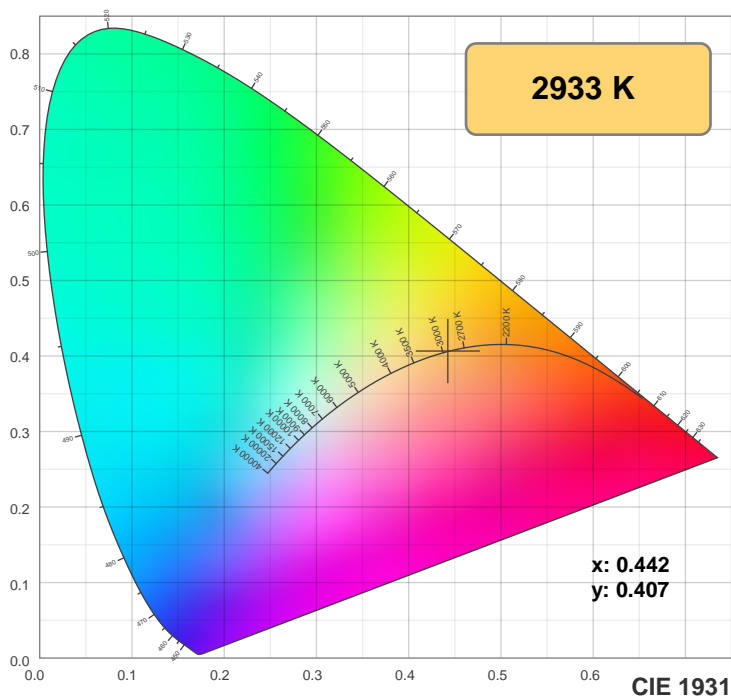


CIE 1931
x: 0.442
y: 0.407

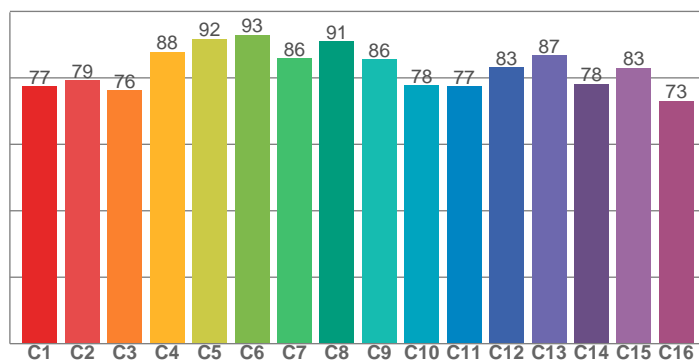
Spectra



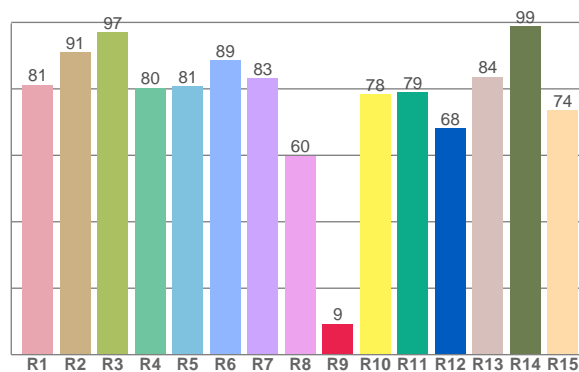
Color details



TM30: 82.6



CRI: 82.7 (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
81.2	90.9	96.9	80.3	80.7	88.6	83.2	59.8	9.3	78.4	78.9	68.1	83.6	98.8	73.5

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
77.4	79.3	76.2	87.9	91.8	93.0	85.9	91.0	85.5	77.7	77.4	83.1	86.7	78.2	83.0	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
2933 K	82.7	9.3	82.6	95.2	0.442	0.407	0.253	0.349	0.0003

TM30 details

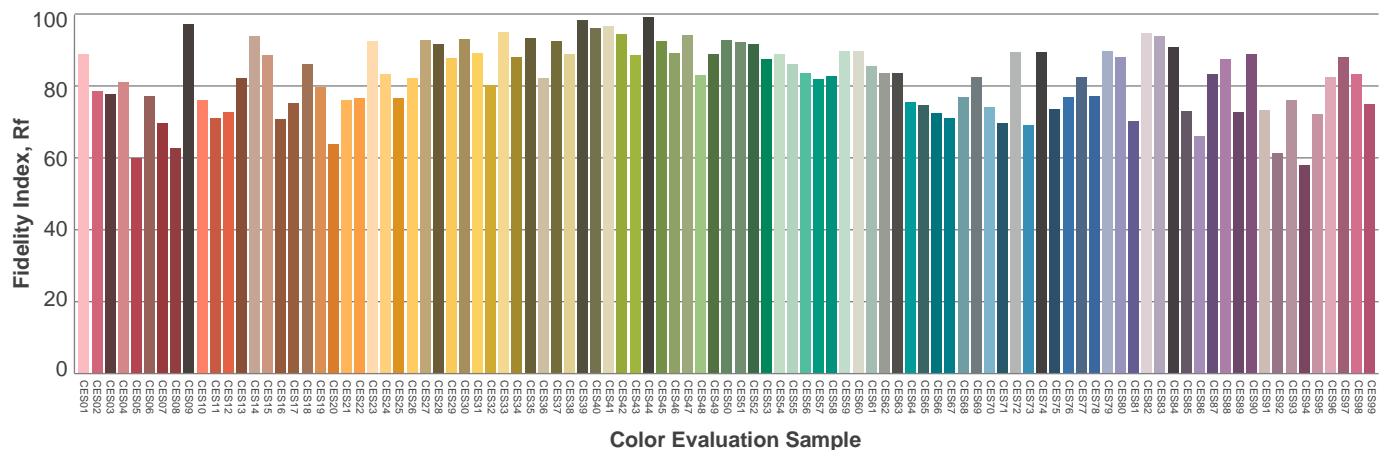
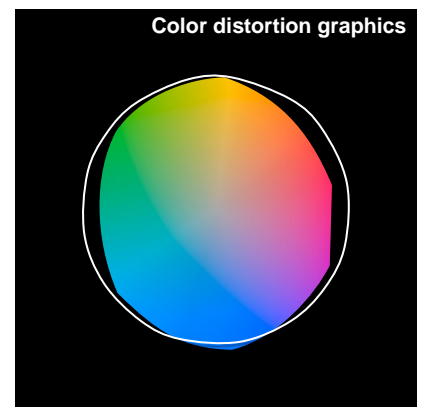
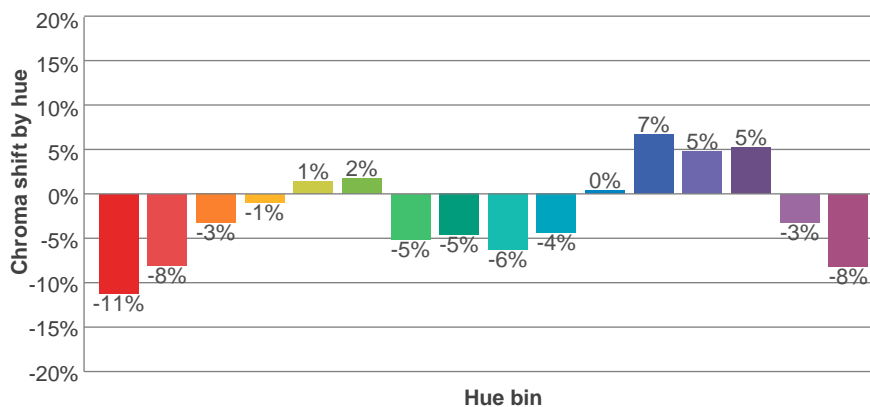
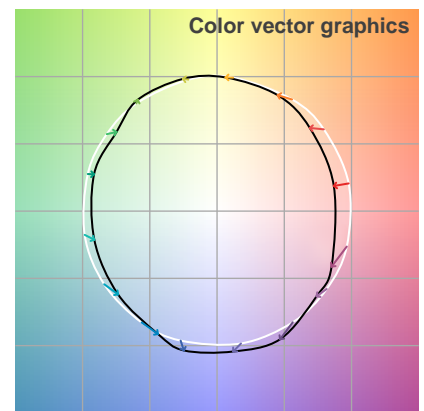
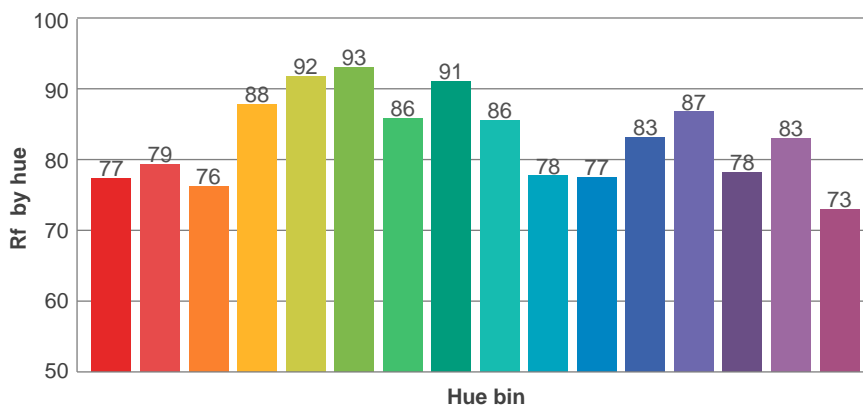
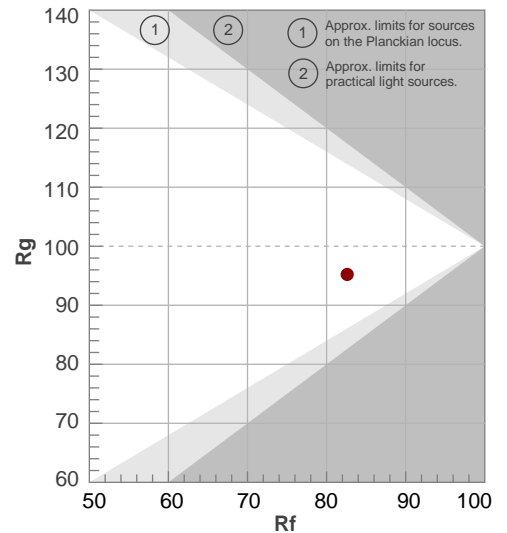
Rf 82.6

Fidelity index Rf

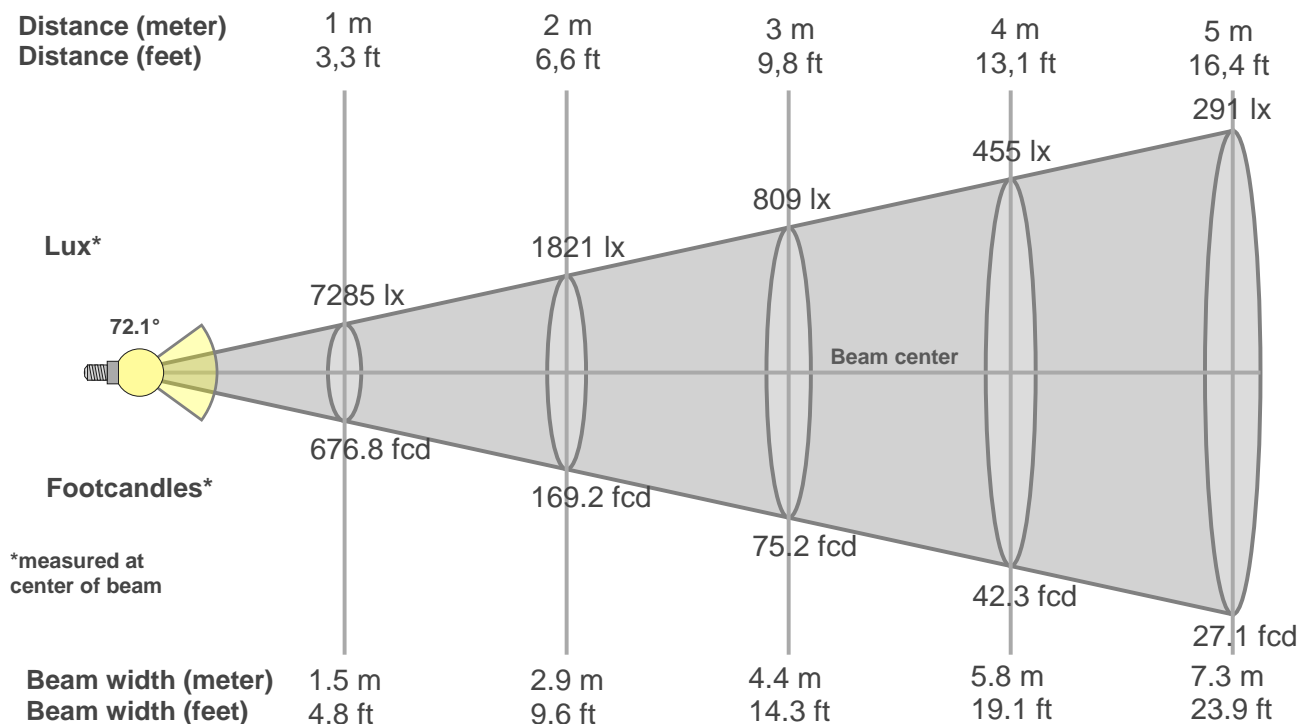
Rg 95.2

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-11%	0%
2	79	-8%	7%
3	76	-3%	11%
4	88	-1%	6%
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
7285lx	1821lx	809lx	455lx	291lx	202lx	149lx	114lx	90lx	73lx	60lx	51lx	43lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
676.8fcd	169.2fcd	75.2fcd	42.3fcd	27.1fcd	18.8fcd	13.8fcd	10.6fcd	8.4fcd	6.8fcd	5.6fcd	4.7fcd	4fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd	1.7fcd

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°
7285	7245	7091	6833	6493	6094	5450	4066	2190	1414	1017	725	494	302	152	45	16	13	4	0
100%	99%	97%	94%	89%	84%	75%	56%	30%	19%	14%	10%	7%	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°
7285	7198	7012	6746	6419	6052	5475	4086	2134	1329	949	673	457	271	130	34	15	10	4	0
100%	99%	96%	93%	88%	83%	75%	56%	29%	18%	13%	9%	6%	4%	2%	0%	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°
7285	7209	7018	6740	6386	6002	5427	4005	2179	1309	938	665	450	270	128	42	13	9	0	0
100%	99%	96%	93%	88%	82%	74%	55%	30%	18%	13%	9%	6%	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°
7285	7266	7104	6833	6468	6053	5405	3982	2228	1387	1002	713	489	300	147	46	15	11	0	0
100%	100%	98%	94%	89%	83%	74%	55%	31%	19%	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°	108.6°	136.7°	96.4%	85.3%