

Light efficiency:

85 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2948 K

Output: 11573 lm

Peak: 8512 cd

Power: 137 W

PF: 1.0



Beam angle

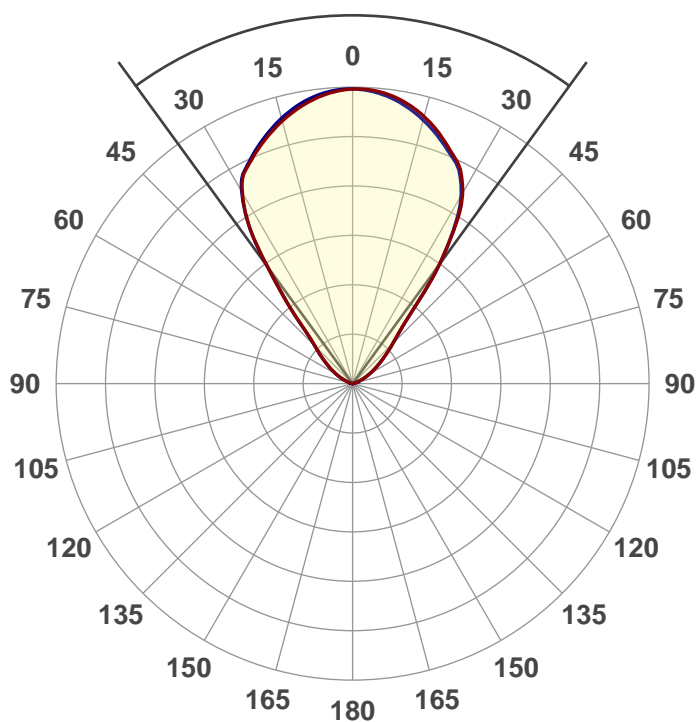
72.1°

Product name:

608XK-9-CXB-130LM-30K-80-WH70-10V-MC-S

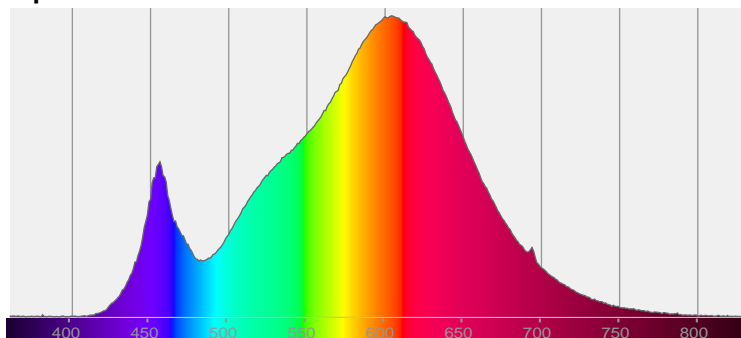
Date and time:

12/14/2017 12:46:39 PM

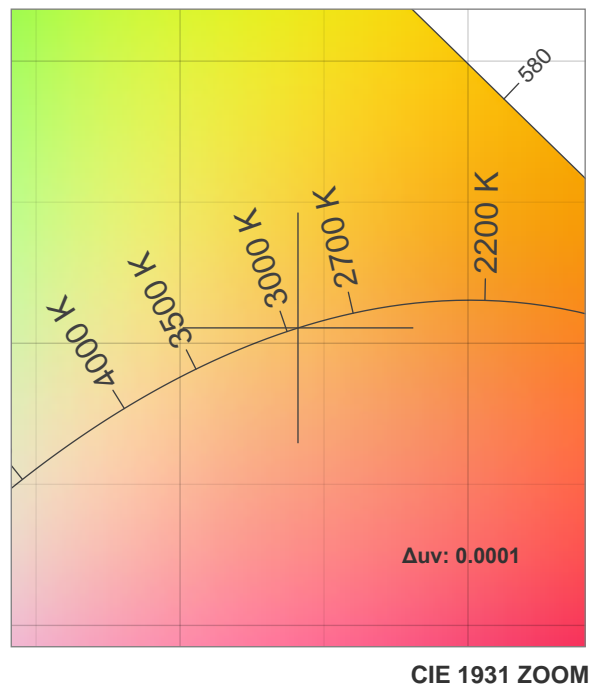
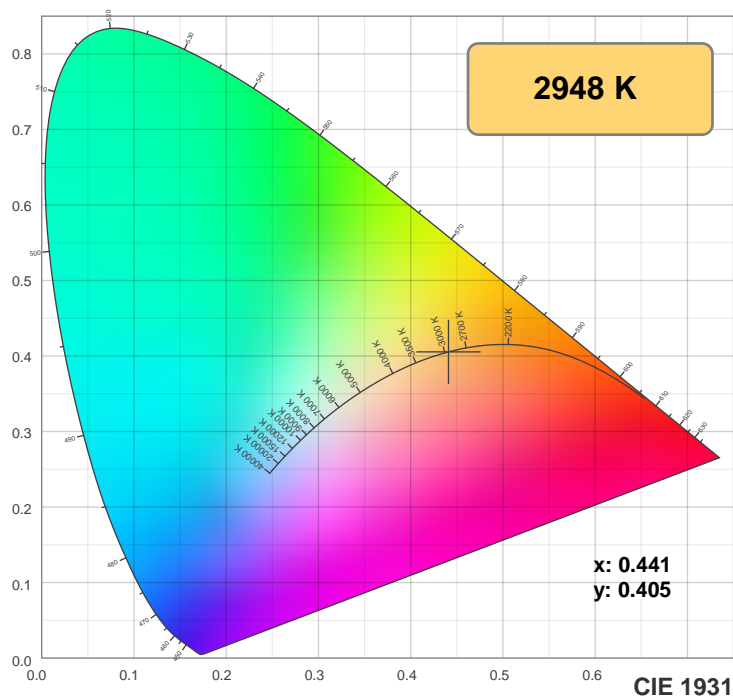


CIE 1931
x: 0.441
y: 0.405

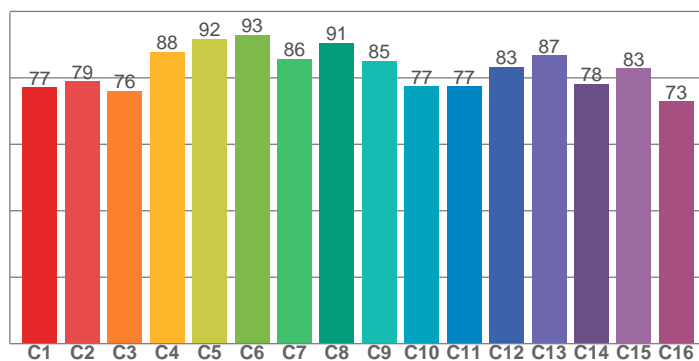
Spectra



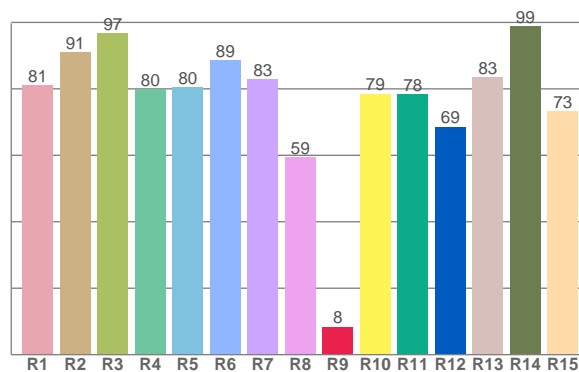
Color details



TM30: 82.4



CRI: 82.5 (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
81.0	91.0	96.7	79.9	80.5	88.6	82.9	59.3	8.4	78.5	78.3	68.6	83.5	98.8	73.3

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
77.1	79.0	76.0	87.9	91.8	92.9	85.7	90.6	85.1	77.4	77.4	83.2	86.7	78.2	82.8	72.9

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
2948 K	82.5	8.4	82.4	95.0	0.441	0.405	0.253	0.348	0.0001

TM30 details

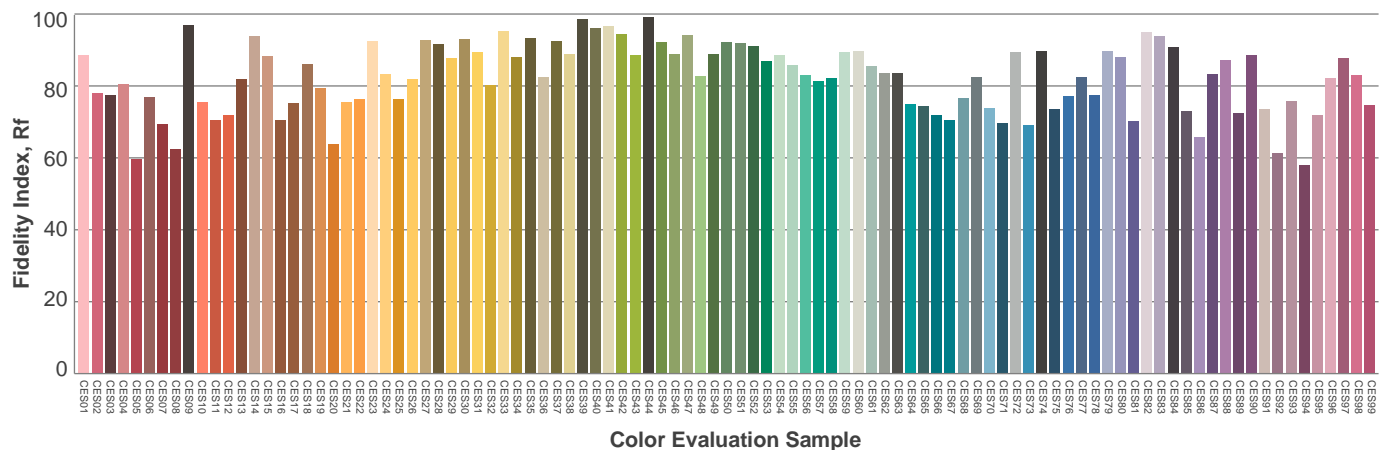
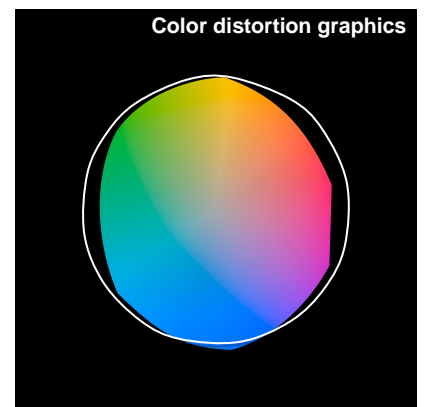
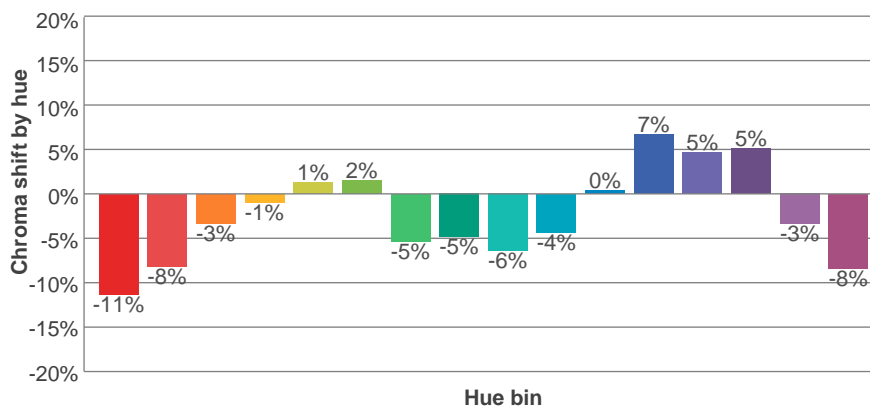
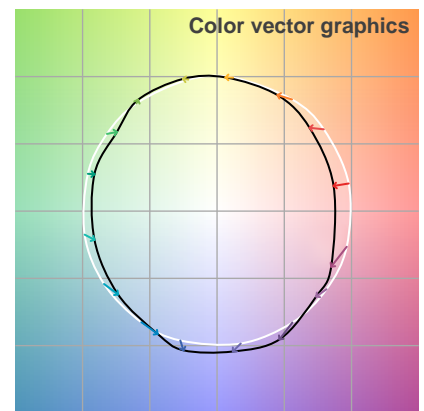
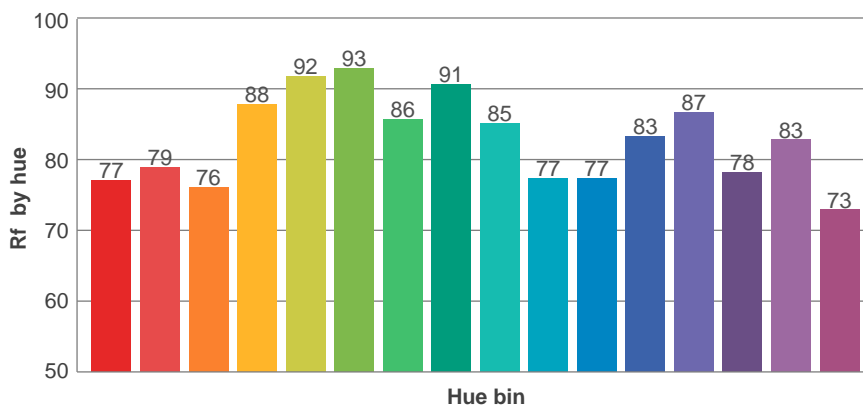
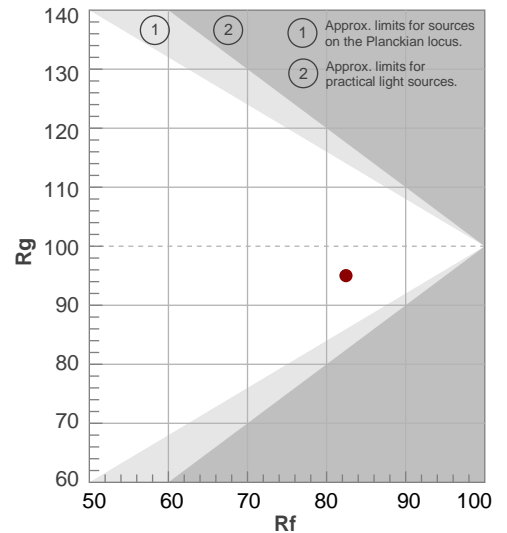
Rf 82.4

Fidelity index Rf

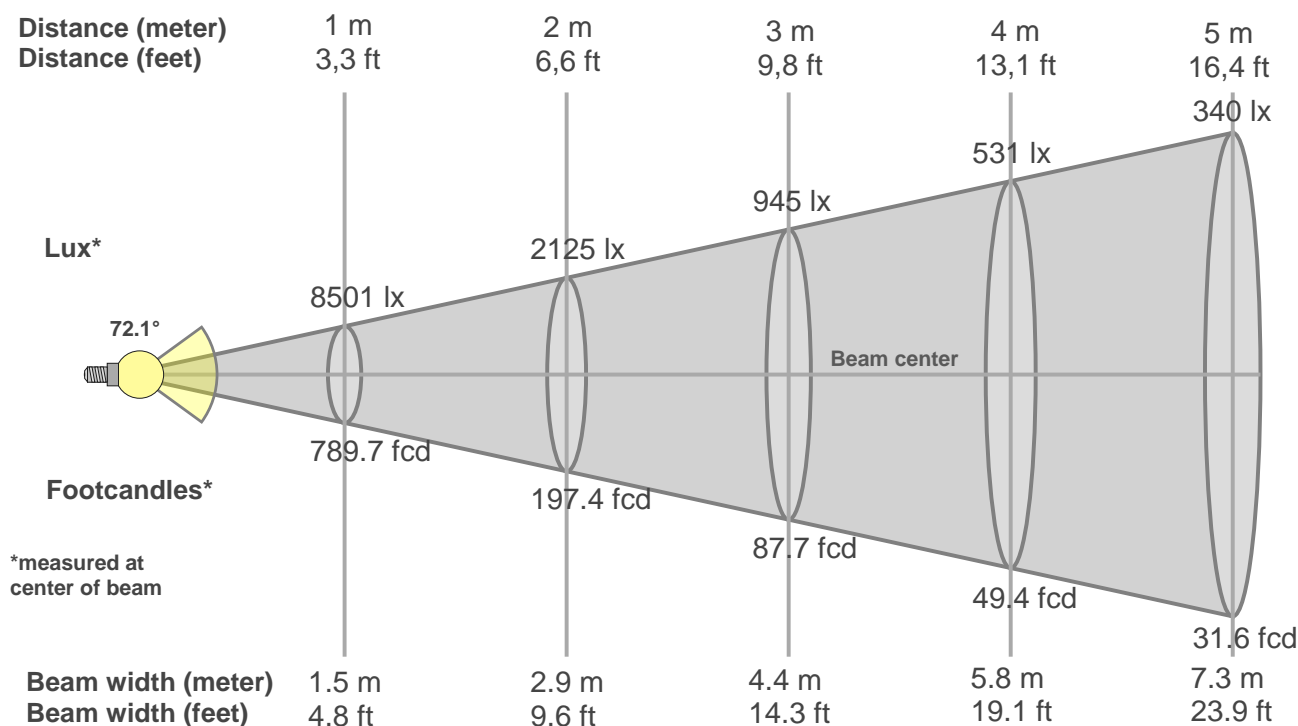
Rg 95.0

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	85	-6%	5%
10	77	-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
8501lx	2125lx	945lx	531lx	340lx	236lx	173lx	133lx	105lx	85lx	70lx	59lx	50lx	43lx	38lx	33lx	29lx	26lx	24lx	21lx
789.7fcd	197.4fcd	87.7fcd	49.4fcd	31.6fcd	21.9fcd	16.1fcd	12.3fcd	9.7fcd	7.9fcd	6.5fcd	5.5fcd	4.7fcd	4fcd	3.5fcd	3.1fcd	2.7fcd	2.4fcd	2.2fcd	2fcd

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°
8501	8397	8172	7852	7462	7017	6309	4716	2732	1582	1133	805	547	331	161	52	22	15	5	0
100%	99%	96%	92%	88%	83%	74%	55%	32%	19%	13%	9%	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°
8501	8444	8251	7935	7529	7062	6363	4732	2702	1589	1145	814	553	334	161	48	19	13	5	0
100%	99%	97%	93%	89%	83%	75%	56%	32%	19%	13%	10%	7%	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°
8501	8463	8284	7976	7560	7073	6267	4664	2668	1675	1197	849	579	351	173	55	20	15	0	0
100%	100%	97%	94%	89%	83%	74%	55%	31%	20%	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°
8501	8414	8199	7873	7466	7006	6189	4635	2636	1671	1189	841	573	346	173	54	20	15	0	0
100%	99%	96%	93%	88%	82%	73%	55%	31%	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°	109.2°	137°	96.3%	85.1%