

Light efficiency:

58 Lumen/Watt

Light quality:

CRI: 96.4

Color temperature:

2951 K

Output: 1075 lm

Peak: 3085 cd

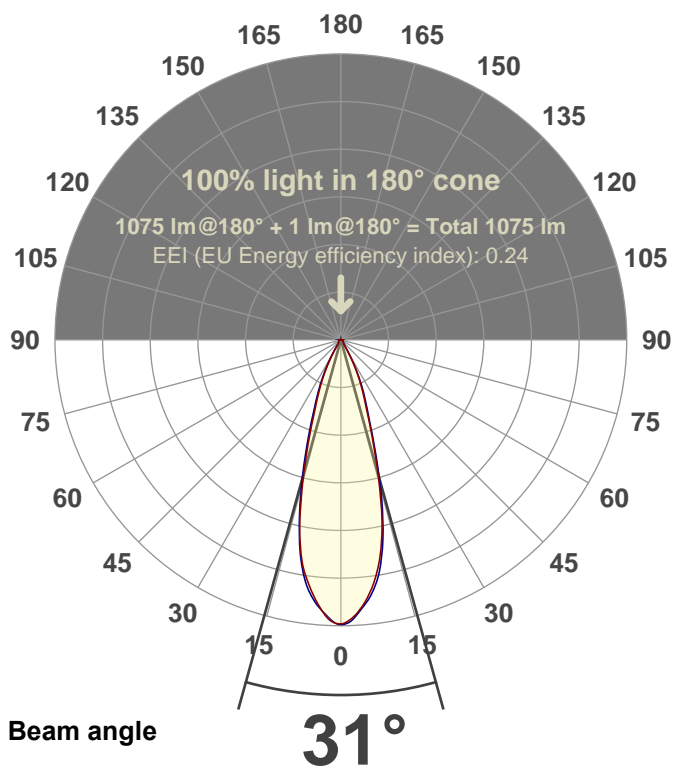
Power: 18.5 W

PF: 0.98



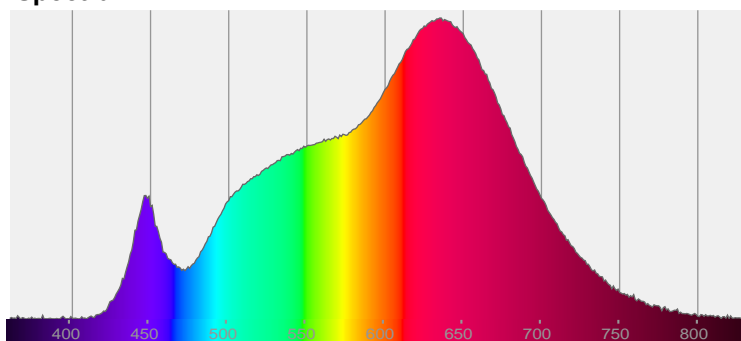
**137420-XTM19-16LM-30K-98-SA40-120-
ELV-WH-MP-CRO**

Date and time:
5/4/2020 9:16:34 AM

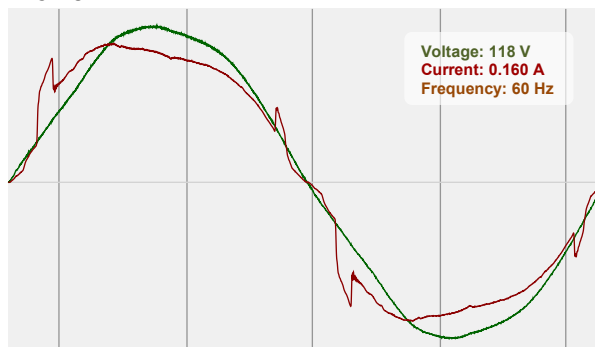


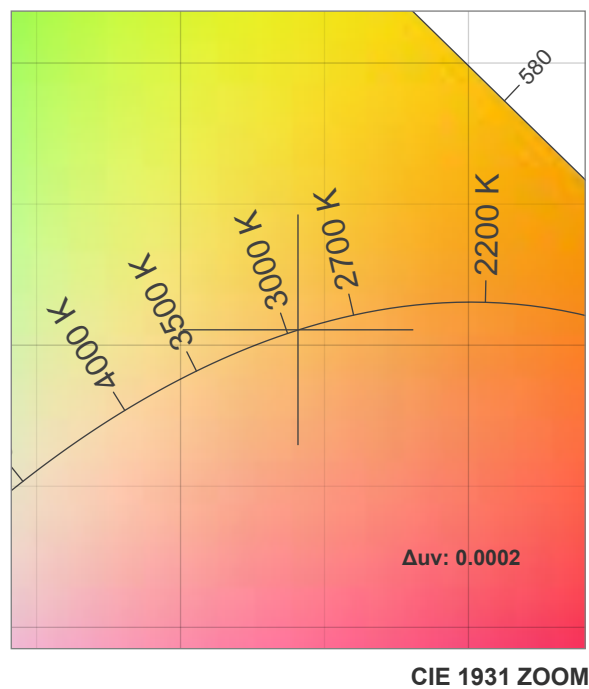
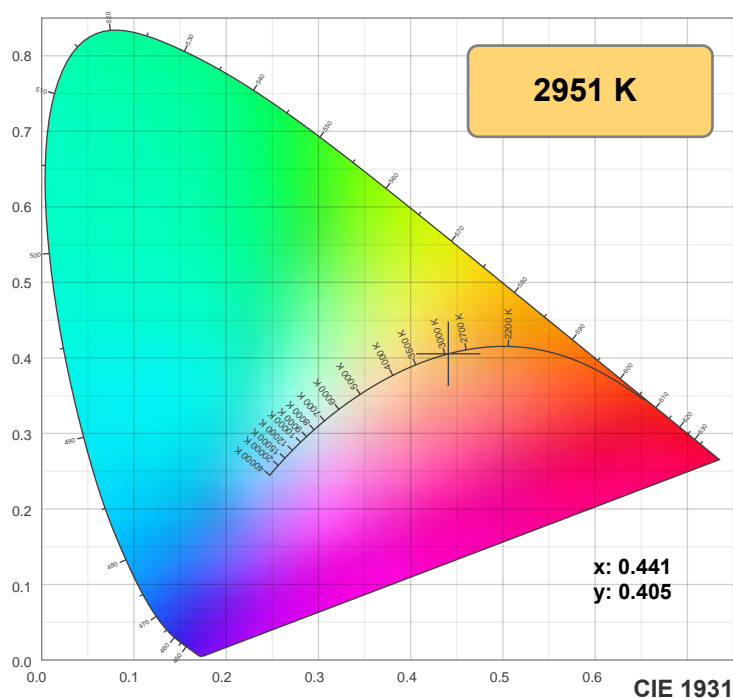
CIE 1931
x: 0.441
y: 0.405

Spectra

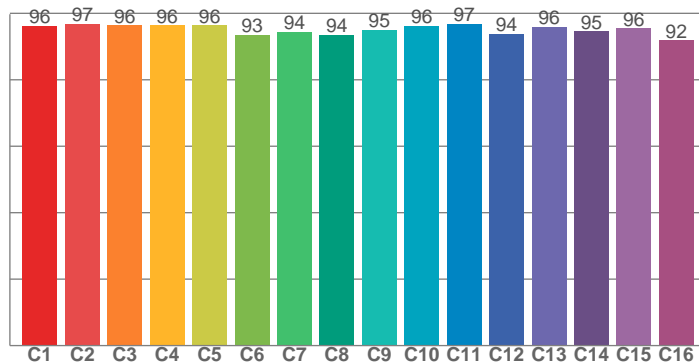


Power

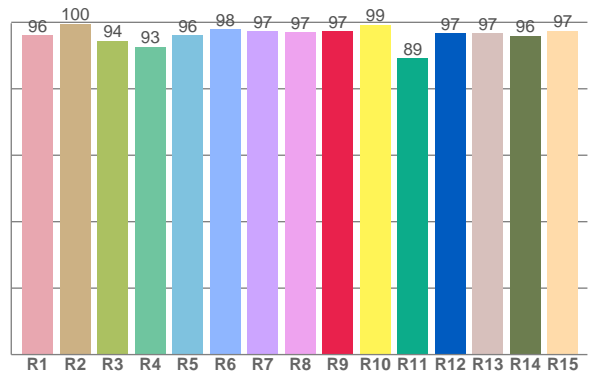




TM30: 95.4



CRI: 96.4 (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
96.0	99.6	94.5	92.7	96.1	98.0	97.4	97.0	97.3	99.2	89.3	96.7	96.8	95.9	97.5

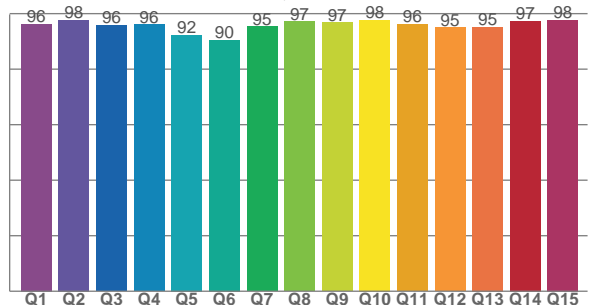
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.2	96.8	96.4	96.4	96.4	93.4	94.4	93.6	95.0	96.3	96.9	93.9	95.9	94.5	95.5	91.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.3	97.7	95.8	96.1	92.3	90.5	95.3	97.1	96.7	97.8	96.1	95.0	95.2	97.3	97.7

CQS: 95.1



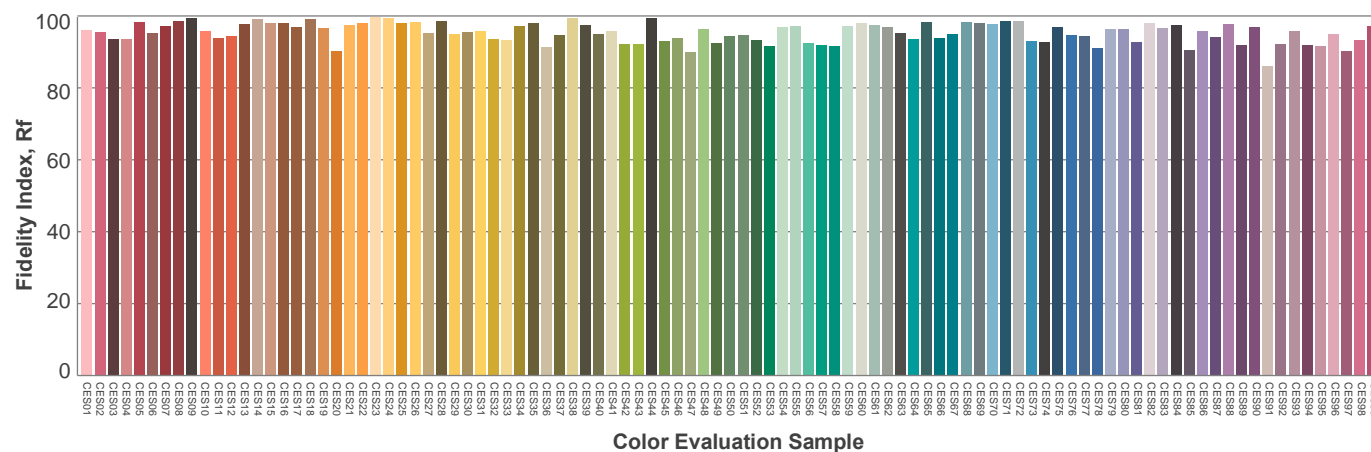
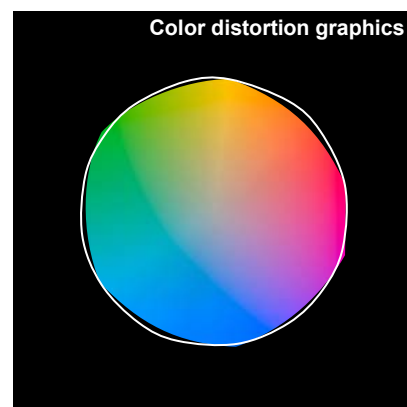
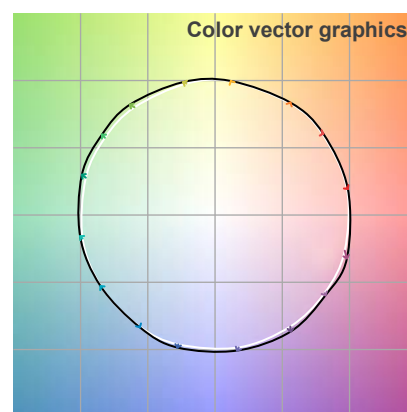
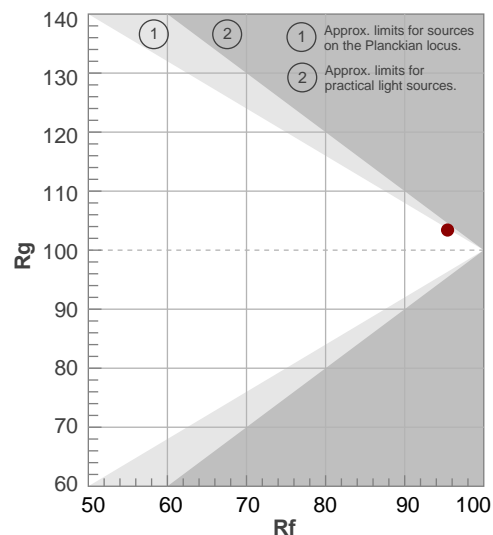
Color parameters

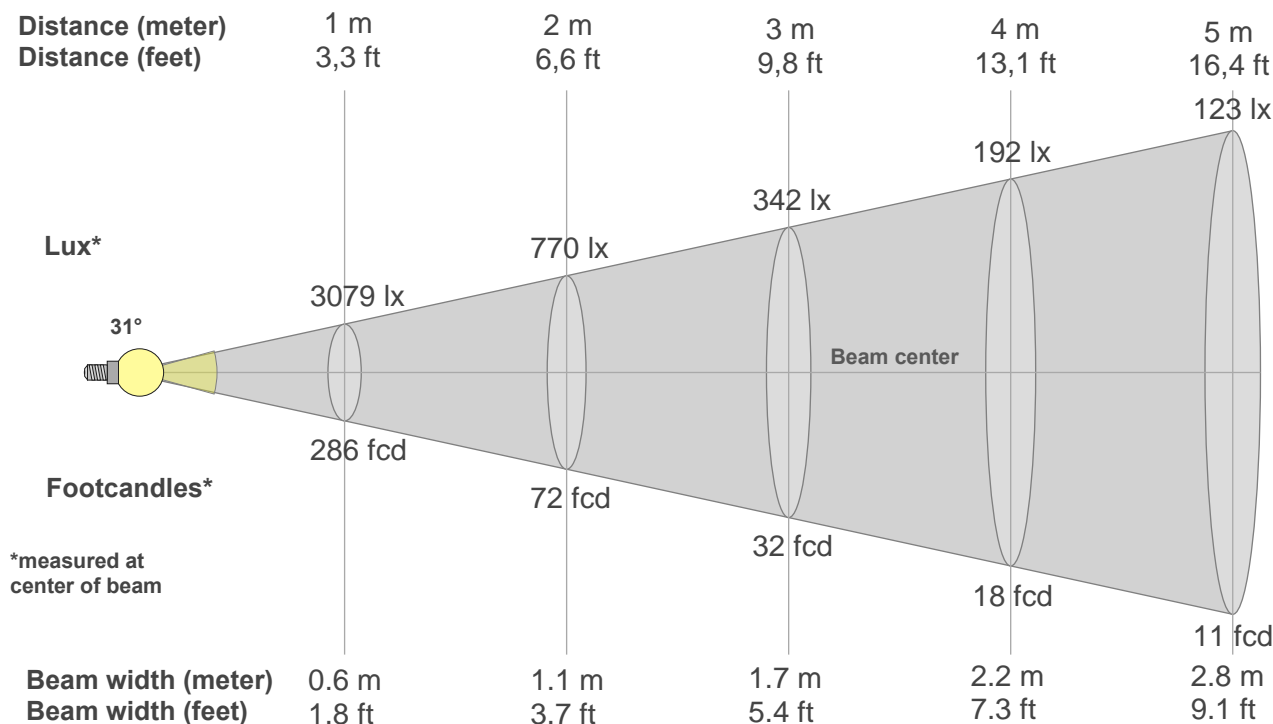
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2951 K	96.4	97.3	95.4	103.4	95.1	0.441	0.405	0.252	0.348	0.0002

Fidelity index R_f

Gammut index Rg

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	96	1%	0%
4	96	0%	0%
5	96	2%	2%
6	93	4%	2%
7	94	3%	-1%
8	94	3%	-2%
9	95	1%	-2%
10	96	0%	-2%
11	97	0%	1%
12	94	2%	0%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	92	3%	-5%





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
3079lx	770lx	342lx	192lx	123lx	86lx	63lx	48lx	38lx	31lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
286.1fcd	71.5fcd	31.8fcd	17.9fcd	11.4fcd	7.9fcd	5.8fcd	4.5fcd	3.5fcd	2.9fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

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°
3079	3027	2931	2799	2632	2416	2134	1793	1429	1092	845	675	536	411	297	194	116	70	53	48
100%	98%	95%	91%	85%	78%	69%	58%	46%	35%	27%	22%	17%	13%	10%	6%	4%	2%	2%	2%

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°
3079	3054	2950	2833	2680	2472	2195	1851	1482	1150	886	709	573	432	301	190	108	73	58	52
100%	99%	96%	92%	87%	80%	71%	60%	48%	37%	29%	23%	19%	14%	10%	6%	4%	2%	2%	2%

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°
3079	3049	2940	2795	2626	2431	2141	1784	1431	1113	846	678	538	410	290	183	107	66	48	42
100%	99%	95%	91%	85%	79%	70%	58%	46%	36%	27%	22%	17%	13%	9%	6%	3%	2%	2%	1%

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°
3079	3033	2943	2833	2680	2451	2161	1830	1490	1183	928	733	583	446	320	211	125	69	52	45
100%	99%	96%	92%	87%	80%	70%	59%	48%	38%	30%	24%	19%	14%	10%	7%	4%	2%	2%	1%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	55.7°	66.7°	95.0%	91.3%