

Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 96.5

Color temperature:

2952 K

Output: 902 lm

Peak: 1595 cd

Power: 18.5 W

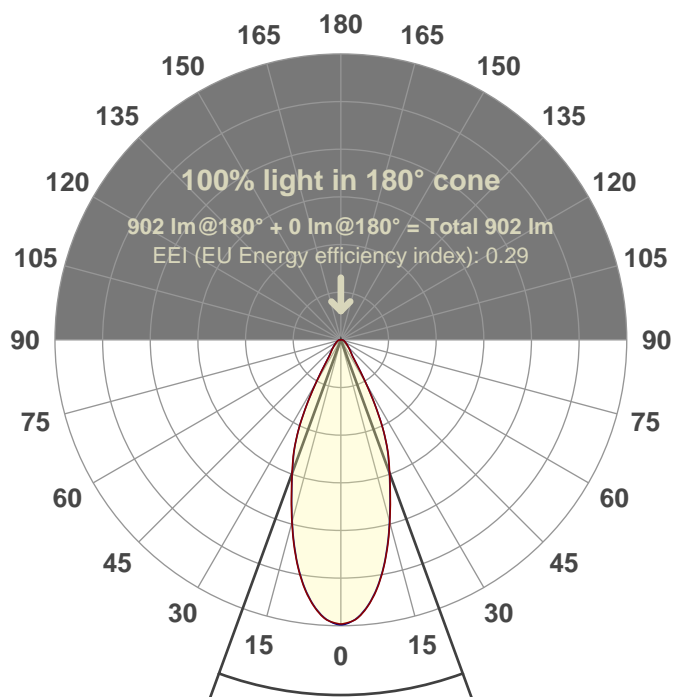
PF: 0.98



137420-XTM19-16LM-30K-98-SSA40-120-ELV-WH-MP-CRO

Date and time:

5/4/2020 9:04:52 AM



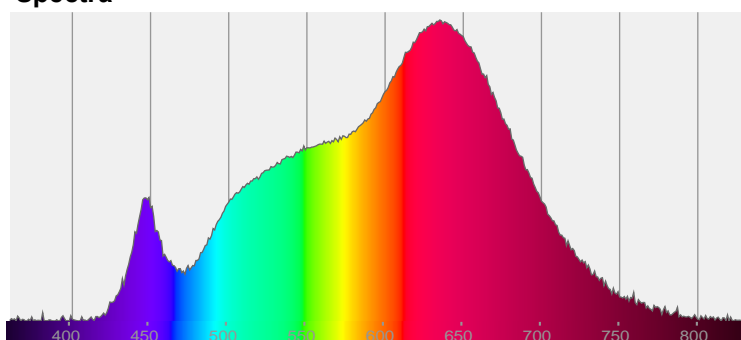
Beam angle

40.1°

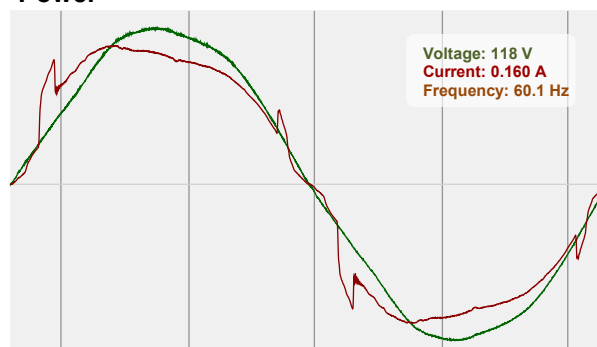


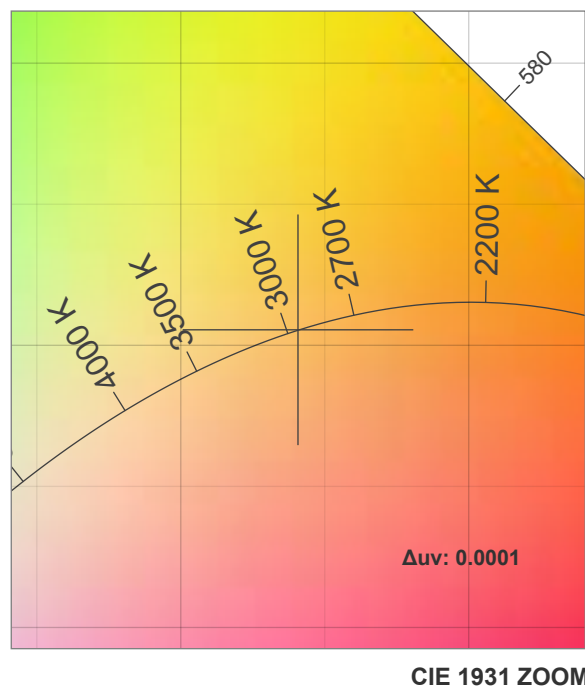
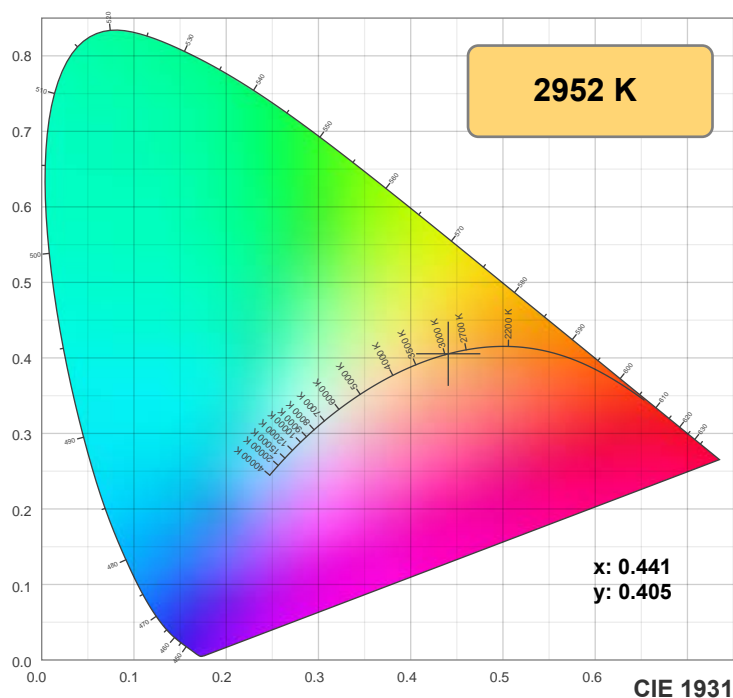
CIE 1931
x: 0.441
y: 0.405

Spectra

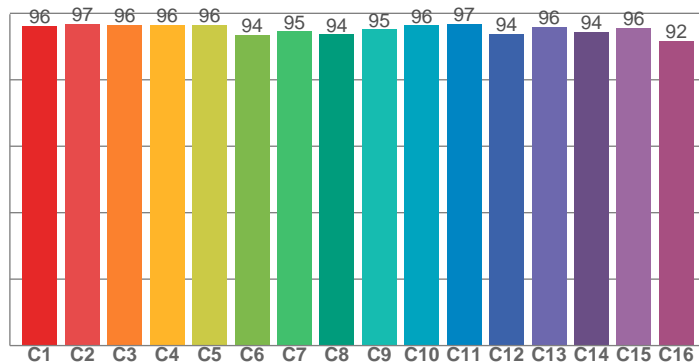


Power

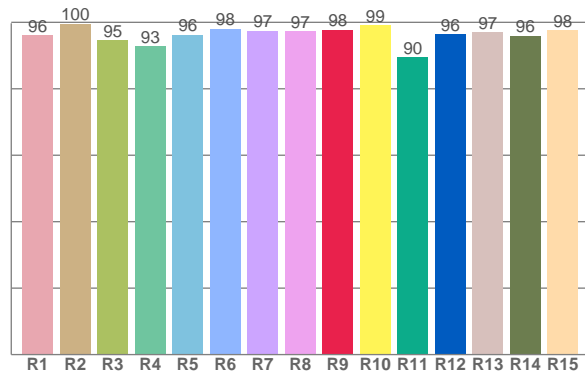




TM30: 95.5



CRI: 96.5 (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
96.2	99.6	94.5	92.9	96.2	98.0	97.5	97.3	97.8	99.2	89.5	96.5	96.9	96.0	97.7

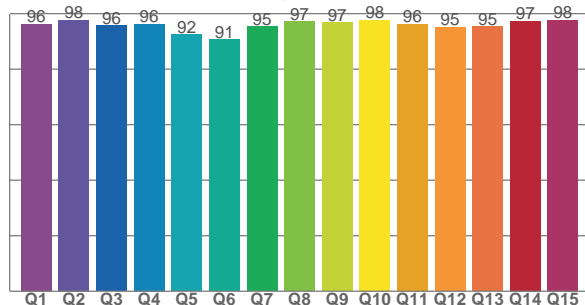
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.3	96.8	96.5	96.4	96.5	93.5	94.6	93.7	95.1	96.4	96.8	93.8	95.9	94.4	95.6	91.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.3	97.7	95.7	96.2	92.4	90.6	95.3	97.2	96.8	97.7	96.2	95.1	95.3	97.3	97.7

CQS: 95.2



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
2952 K	96.5	97.8	95.5	103.3	95.2	0.441	0.405	0.252	0.348	0.0001

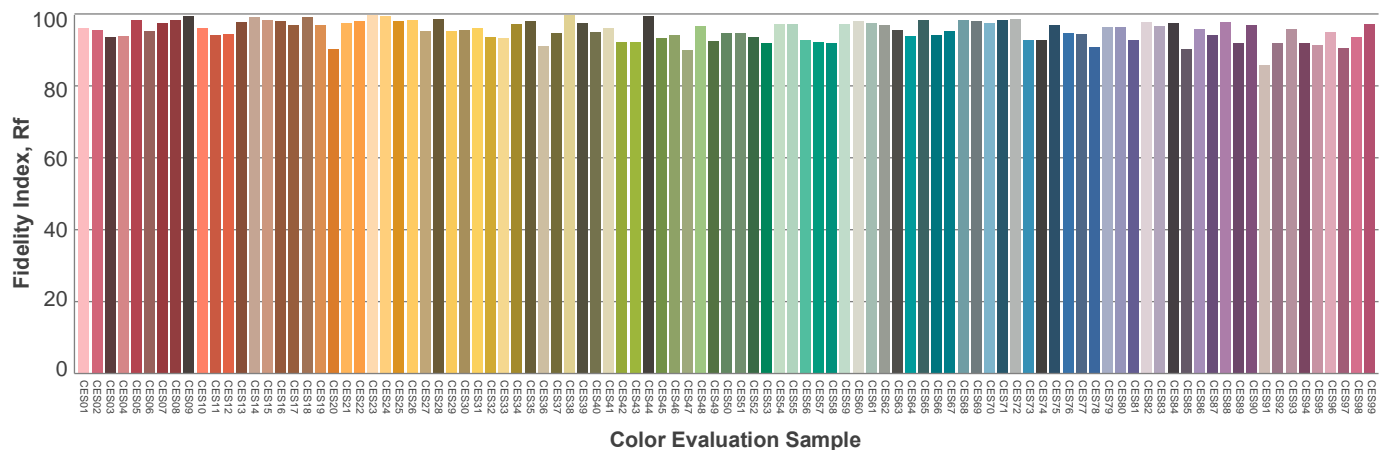
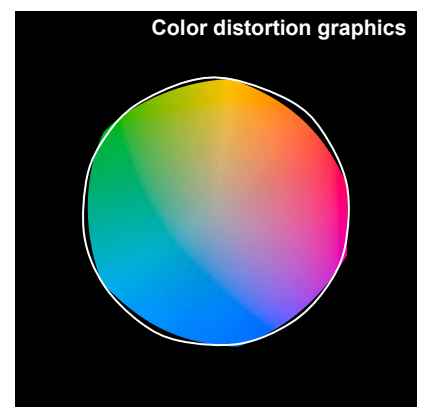
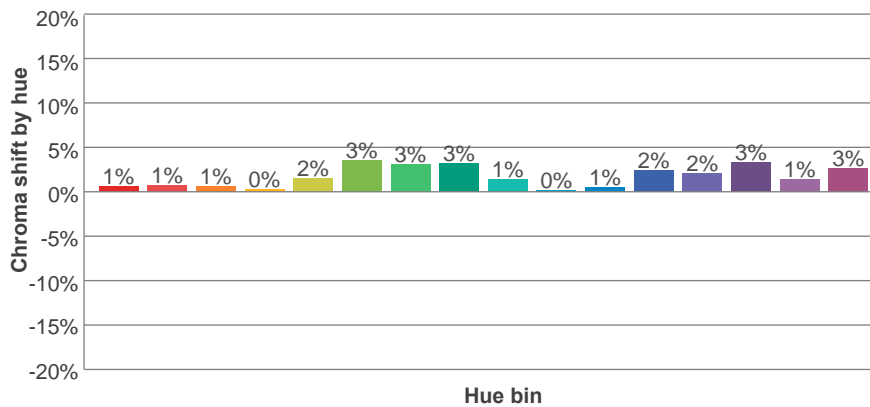
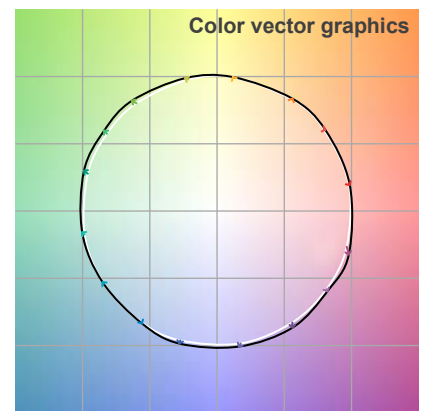
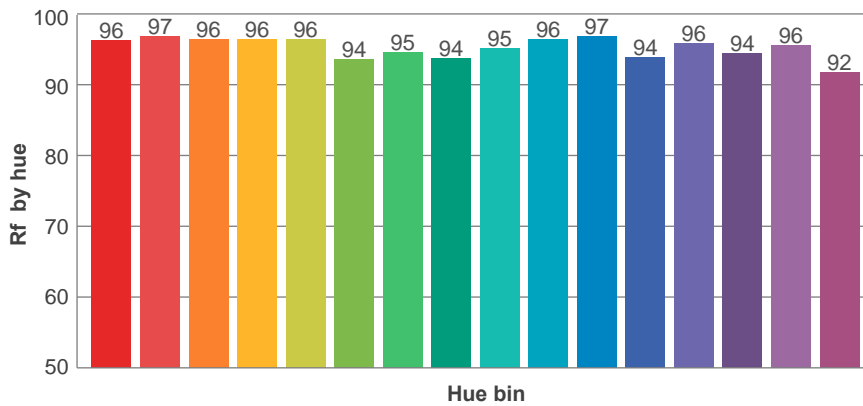
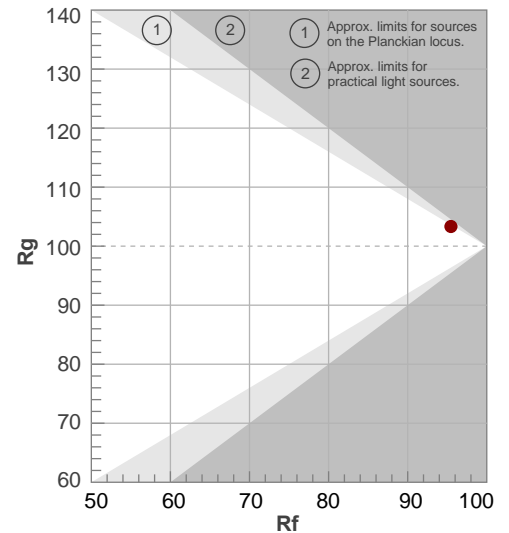
Rf 95.5

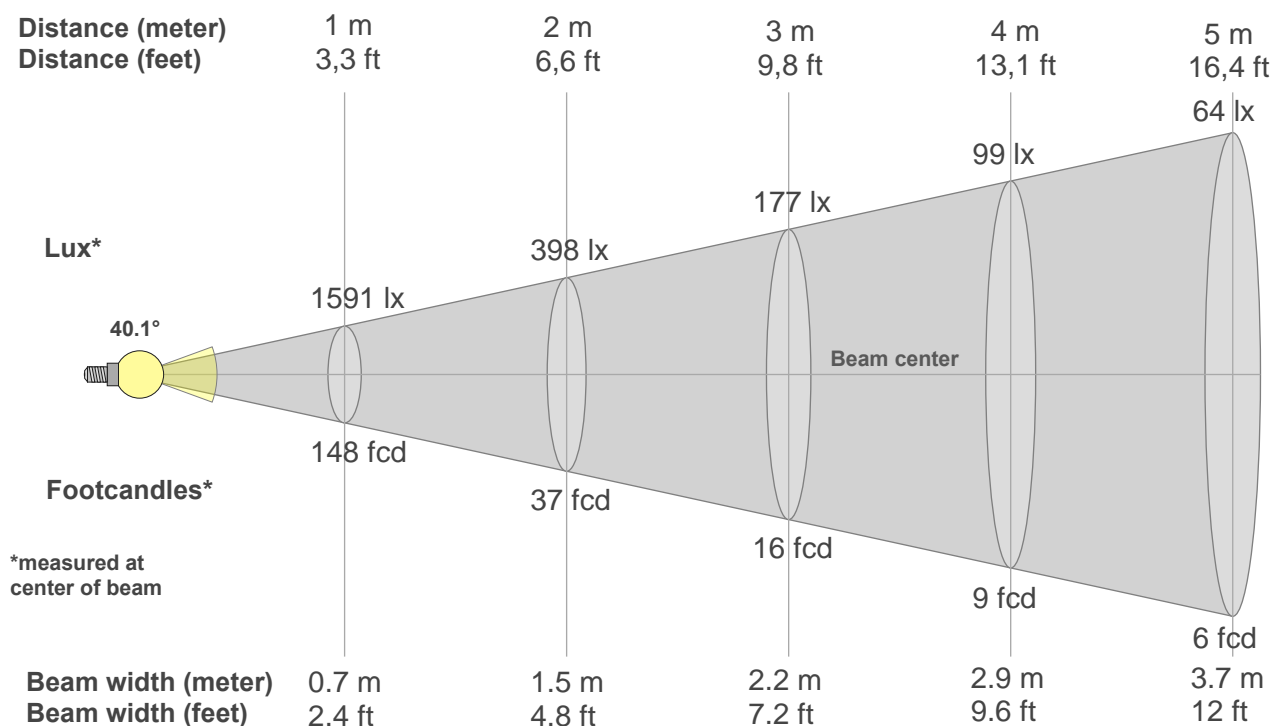
Fidelity index Rf

Rg 103.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	96	1%	0%
4	96	0%	0%
5	96	2%	2%
6	94	3%	2%
7	95	3%	-1%
8	94	3%	-2%
9	95	1%	-2%
10	96	0%	-2%
11	97	1%	1%
12	94	2%	0%
13	96	2%	-2%
14	94	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
1591lx	398lx	177lx	99lx	64lx	44lx	32lx	25lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
147.8fcd	37fcd	16.4fcd	9.2fcd	5.9fcd	4.1fcd	3fcd	2.3fcd	1.8fcd	1.5fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd

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°
1591	1574	1543	1489	1417	1326	1224	1114	1002	894	800	713	618	511	394	283	197	141	109	93
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	50%	45%	39%	32%	25%	18%	12%	9%	7%	6%

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°
1591	1575	1541	1487	1412	1321	1219	1108	995	888	795	707	614	509	392	284	200	143	111	95
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	50%	44%	39%	32%	25%	18%	13%	9%	7%	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°
1591	1574	1543	1489	1417	1326	1224	1114	1002	894	800	713	618	511	394	283	197	141	109	93
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	50%	45%	39%	32%	25%	18%	12%	9%	7%	6%

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°
1591	1575	1541	1487	1412	1321	1219	1108	995	888	795	707	614	509	392	284	200	143	111	95
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	50%	44%	39%	32%	25%	18%	13%	9%	7%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	66.4°	107.7°	94.2%	88.0%