

Light efficiency:

79 Lumen/Watt

Light quality:

CRI: 79.3

Color temperature:

2930 K

Output: 4041 lm

Peak: 7399 cd

Power: 51.3 W

PF: 1.0

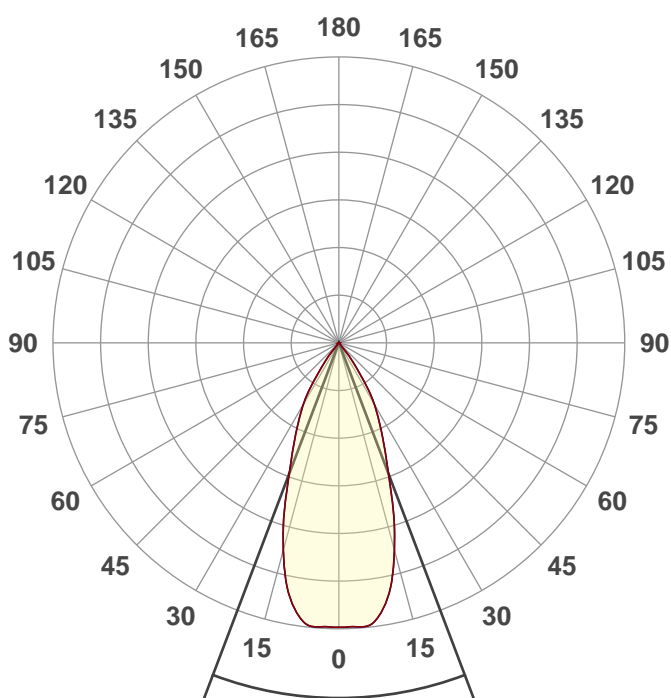


Product name:

608RA-6-XTM19-50LM-30K-83-
SA40-UNV-DIM10-MC-S

Date and time:

12/7/2017 1:54:36 PM



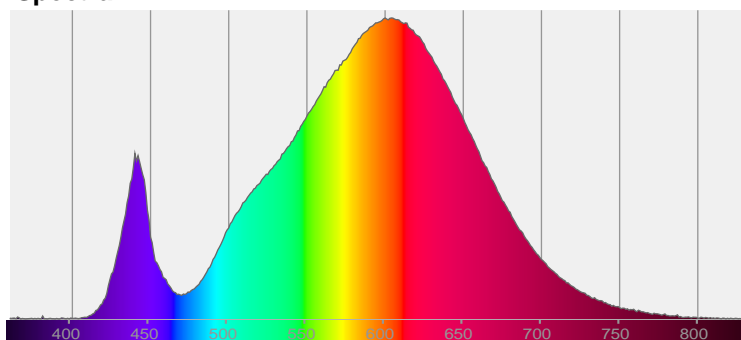
Beam angle

41.5°

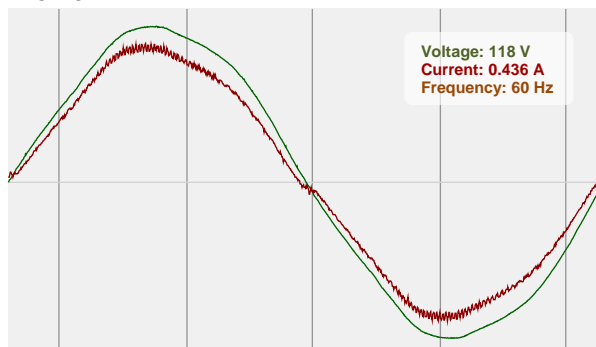


CIE 1931
x: 0.446
y: 0.413

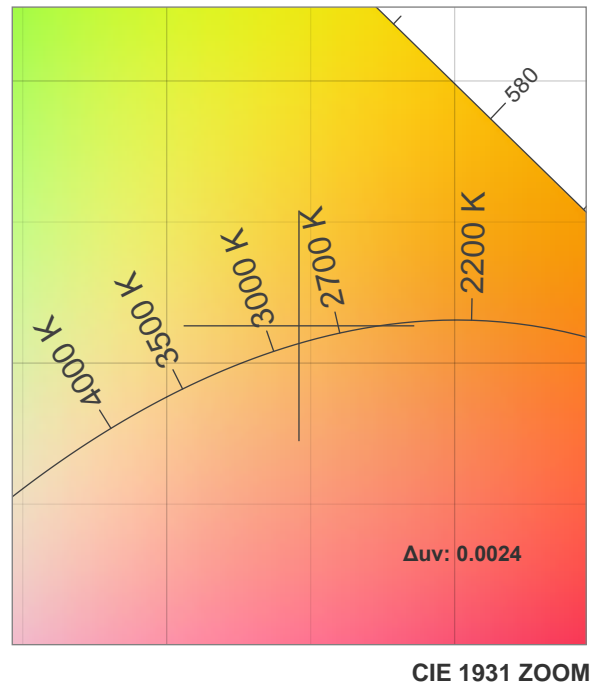
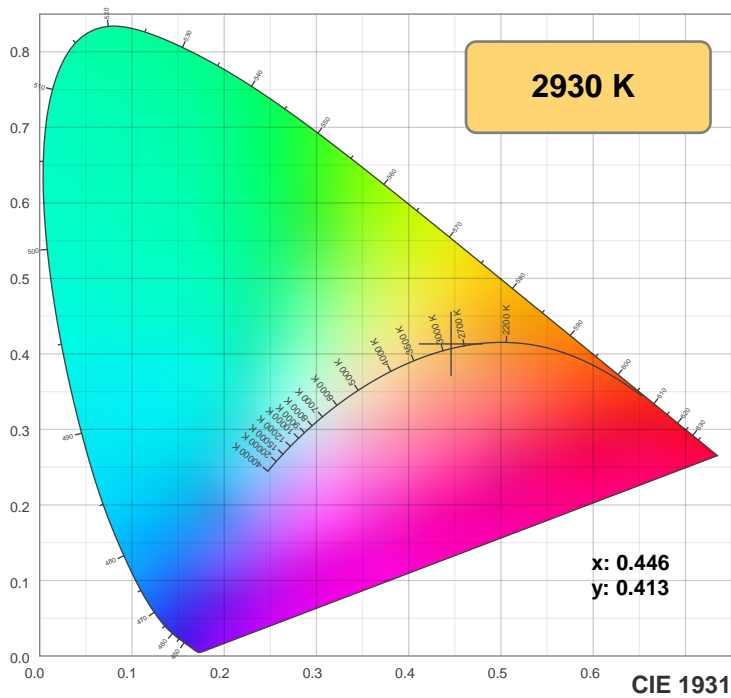
Spectra



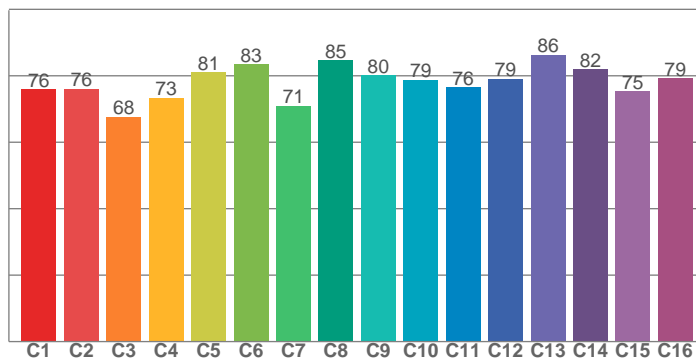
Power



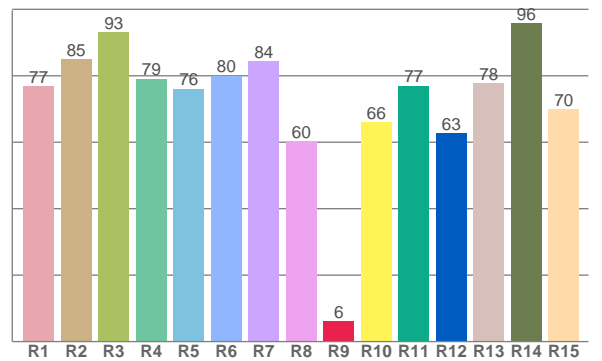
Color details



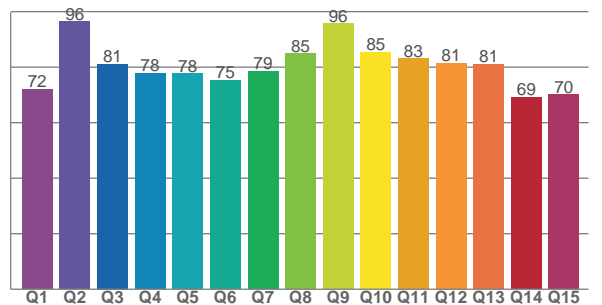
TM30: 77.8



CRI: 79.3 (R1-R8)



CQS: 79.0



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
76.8	85.0	93.0	79.1	76.1	80.0	84.3	60.3	6.1	66.0	77.0	62.8	77.8	95.7	70.0

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
76.0	76.0	67.7	73.4	81.0	83.5	70.9	84.7	80.1	78.8	76.5	79.1	86.3	81.9	75.3	79.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
72.0	96.5	81.1	77.8	77.7	75.2	78.5	84.9	95.7	85.4	83.1	81.5	81.0	69.1	70.2

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
2930 K	79.3	6.1	77.8	98.4	79.0	0.446	0.413	0.252	0.351	0.0024

TM30 details

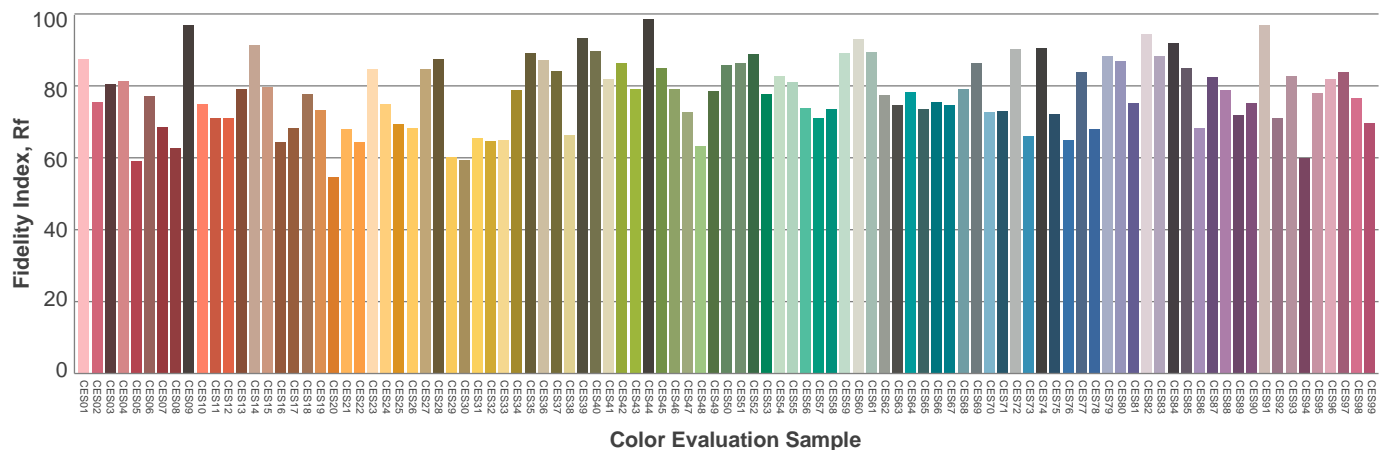
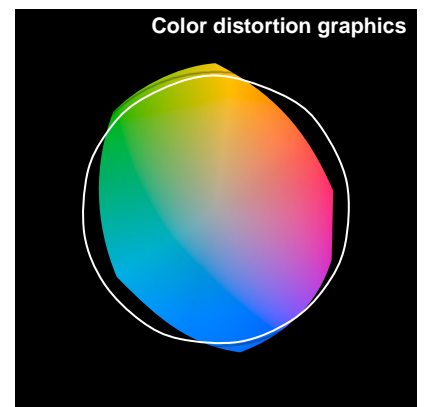
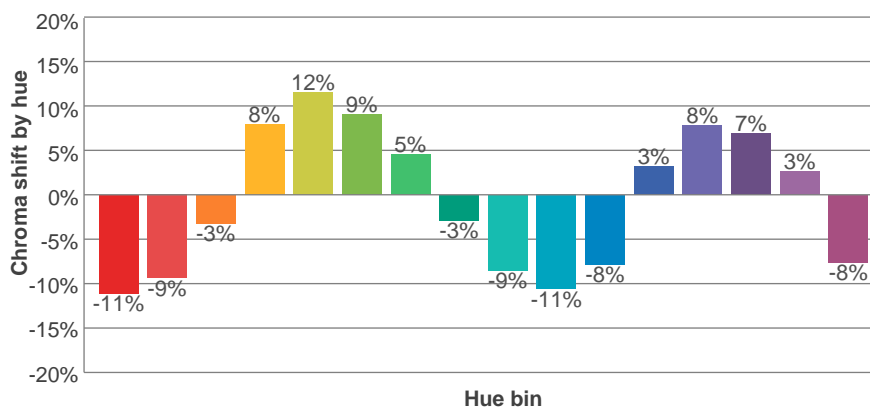
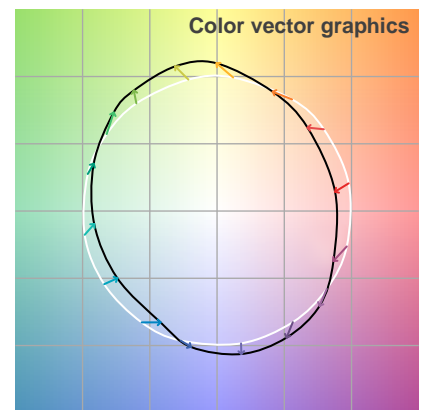
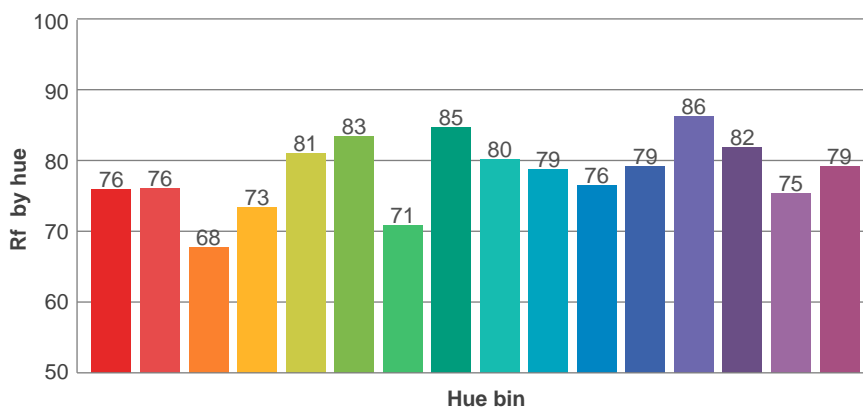
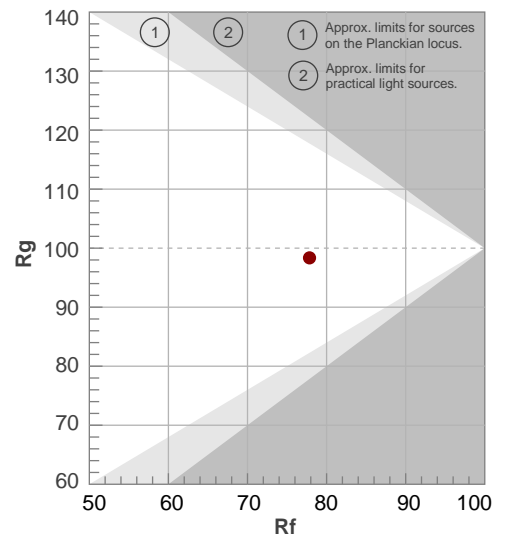
Rf 77.8

Fidelity index Rf

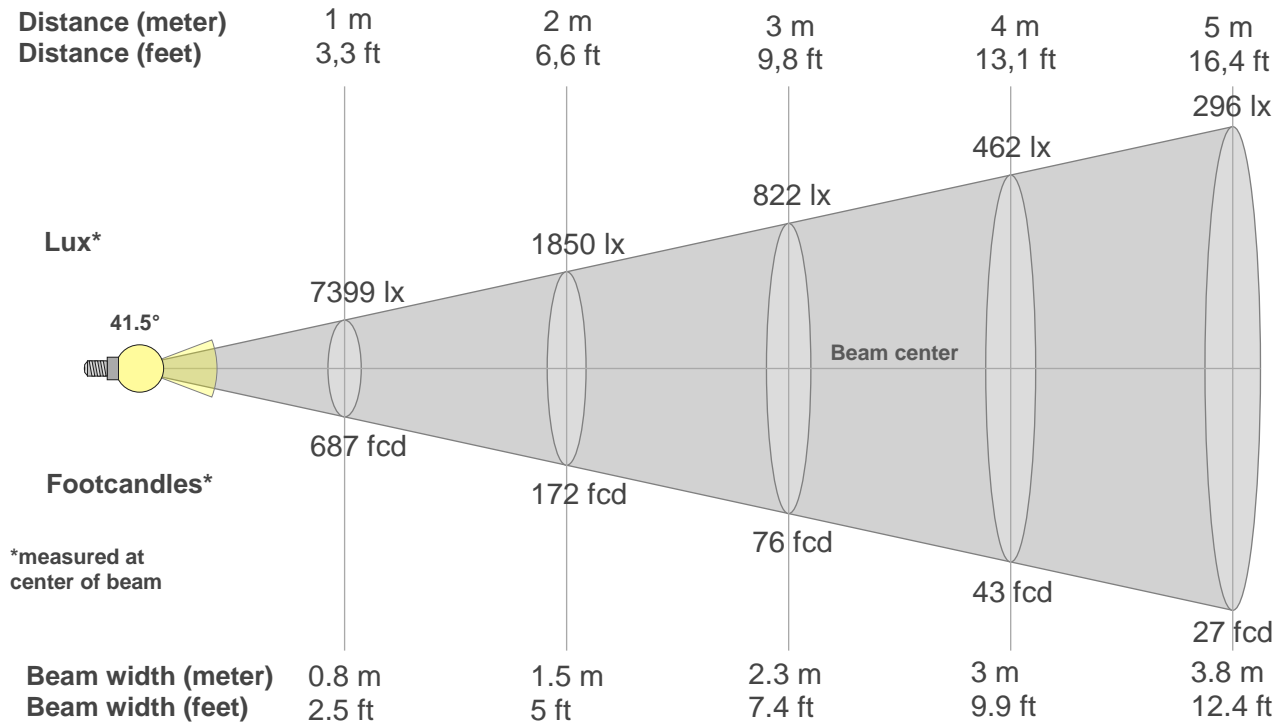
Rg 98.4

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	76	-11%	-4%
2	76	-9%	8%
3	68	-3%	15%
4	73	8%	14%
5	81	12%	8%
6	83	9%	-4%
7	71	5%	-16%
8	85	-3%	-8%
9	80	-9%	-7%
10	79	-11%	2%
11	76	-8%	12%
12	79	3%	8%
13	86	8%	-1%
14	82	7%	-10%
15	75	3%	-13%
16	79	-8%	-13%



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
7399lx	1850lx	822lx	462lx	296lx	206lx	151lx	116lx	91lx	74lx	61lx	51lx	44lx	38lx	33lx	29lx	26lx	23lx	20lx	18lx
687.4fc	171.9fc	76.4fc	43fcd	27.5fcd	19.1fcd	14fcd	10.7fcd	8.5fcd	6.9fcd	5.7fcd	4.8fcd	4.1fcd	3.5fcd	3.1fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd

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°
7399	7399	7377	7352	7180	6838	6490	5871	5252	4610	3952	3330	2920	2510	2159	1832	1486	1086	687	423
100%	100%	100%	99%	97%	92%	88%	79%	71%	62%	53%	45%	39%	34%	29%	25%	20%	15%	9%	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°
7399	7399	7377	7352	7180	6838	6490	5871	5252	4610	3952	3330	2920	2510	2159	1832	1486	1086	687	423
100%	100%	100%	99%	97%	92%	88%	79%	71%	62%	53%	45%	39%	34%	29%	25%	20%	15%	9%	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°
7399	7399	7377	7352	7180	6838	6490	5871	5252	4610	3952	3330	2920	2510	2159	1832	1486	1086	687	423
100%	100%	100%	99%	97%	92%	88%	79%	71%	62%	53%	45%	39%	34%	29%	25%	20%	15%	9%	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°
7399	7399	7377	7352	7180	6838	6490	5871	5252	4610	3952	3330	2920	2510	2159	1832	1486	1086	687	423
100%	100%	100%	99%	97%	92%	88%	79%	71%	62%	53%	45%	39%	34%	29%	25%	20%	15%	9%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41.5°	71.5°	80.1°	99.7%	99.7%