

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 79.7

Color temperature:

2928 K

Output: 3640 lm

Peak: 7152 cd

Power: 50.9 W

PF: 1.0



Beam angle

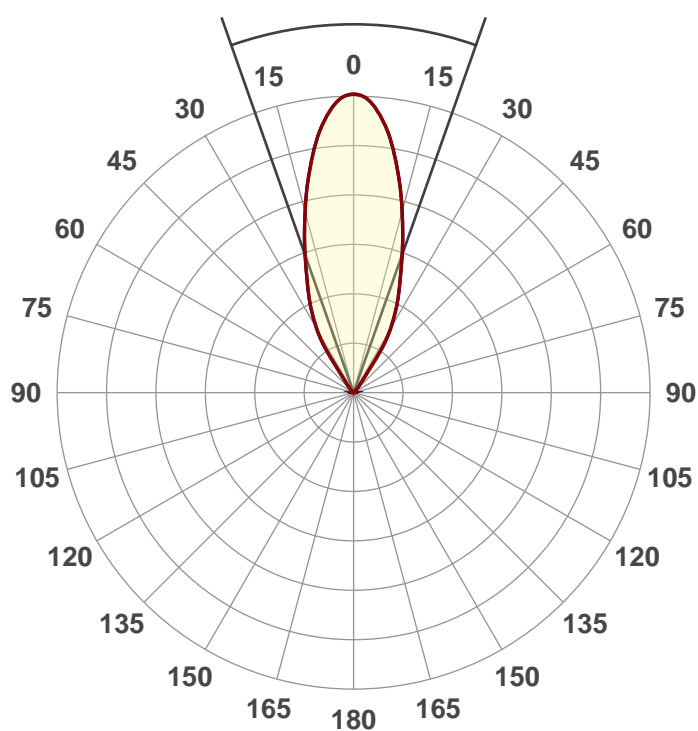
38.8°

Product name:

608RA-6-XTM19-50LM-30K-83-  
DA40-UNV-DIM10-MC-S-CRO

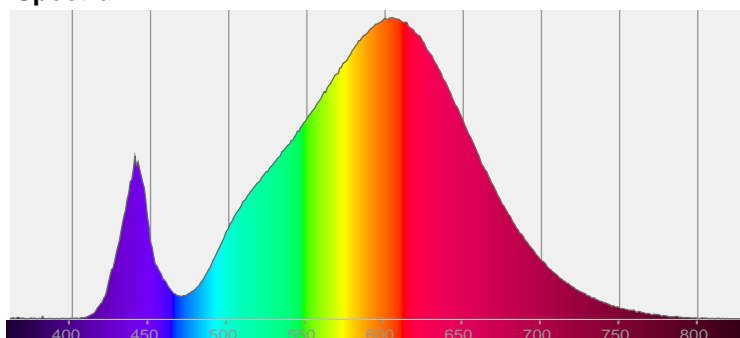
Date and time:

12/5/2017 9:24:31 AM

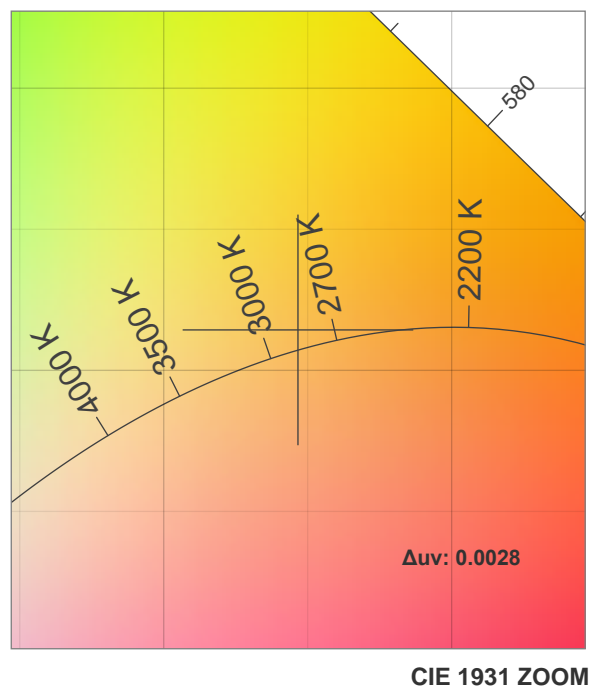
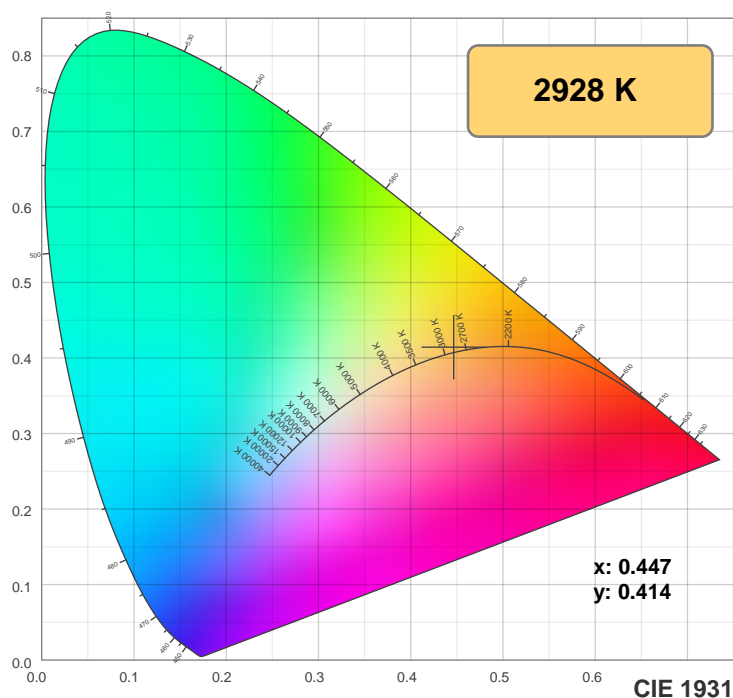


CIE 1931  
x: 0.447  
y: 0.414

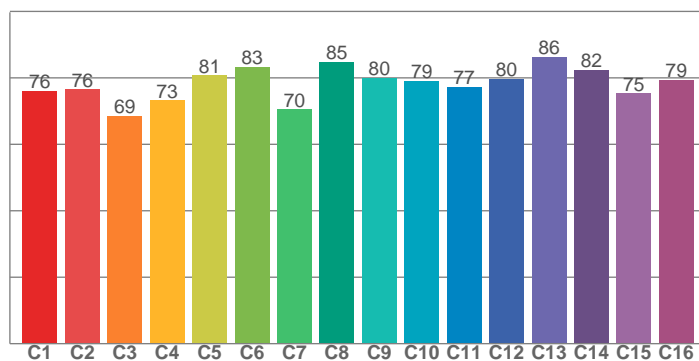
Spectra



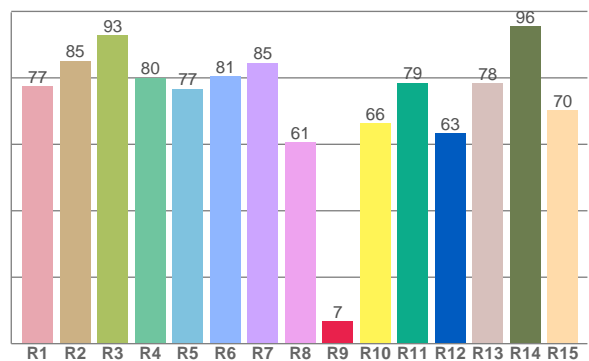
## Color details



**TM30: 78.0**



**CRI: 79.7 (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
77.5	85.1	92.9	80.0	76.7	80.5	84.5	60.7	6.7	66.4	78.5	63.2	78.4	95.6	70.2

**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
76.1	76.5	68.5	73.3	80.8	83.3	70.5	84.8	80.0	79.0	77.3	79.6	86.4	82.3	75.4	79.3

## 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
2928 K	79.7	6.7	78.0	98.5	0.447	0.414	0.252	0.351	0.0028

## TM30 details

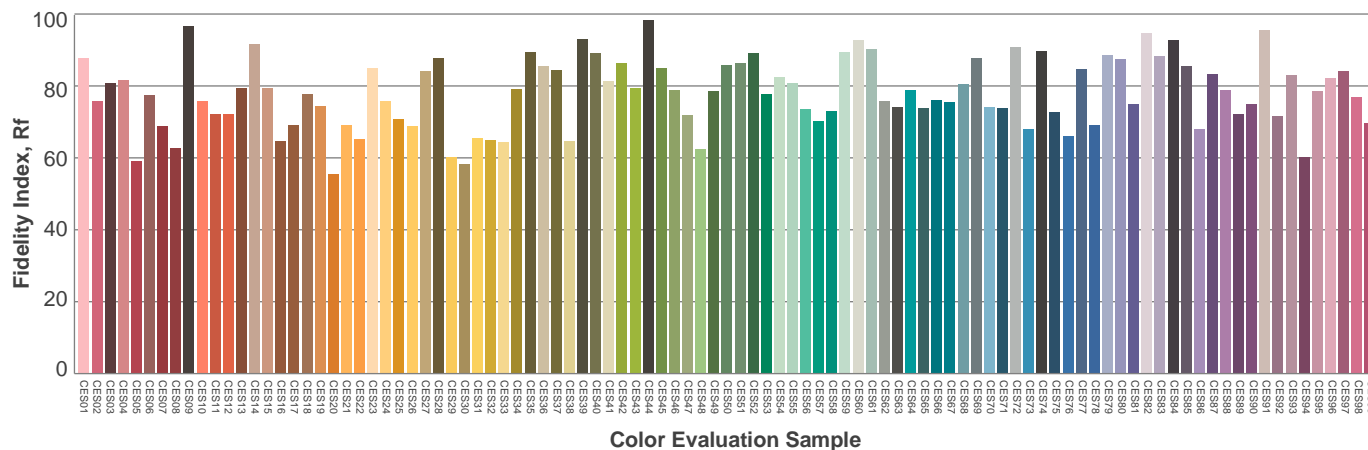
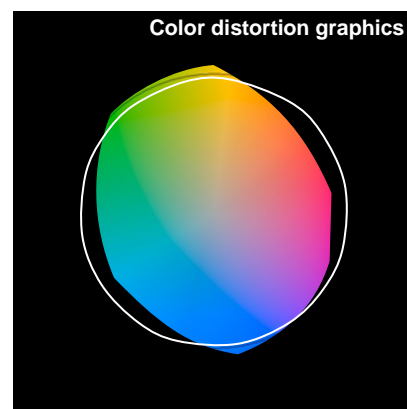
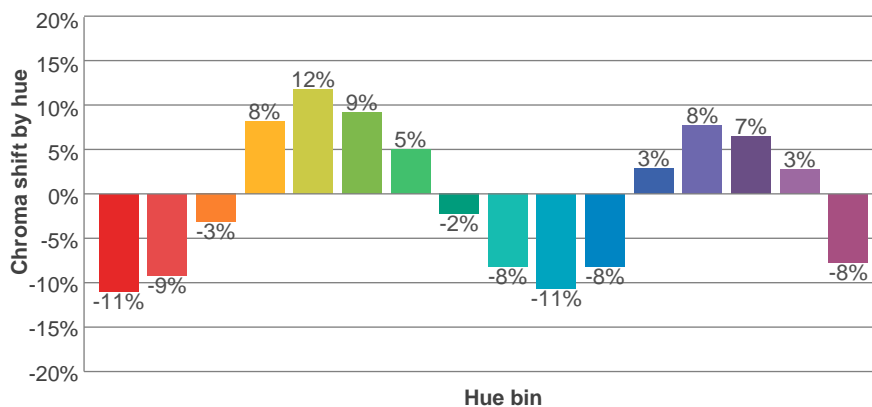
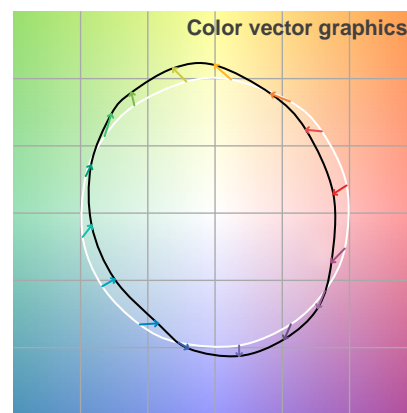
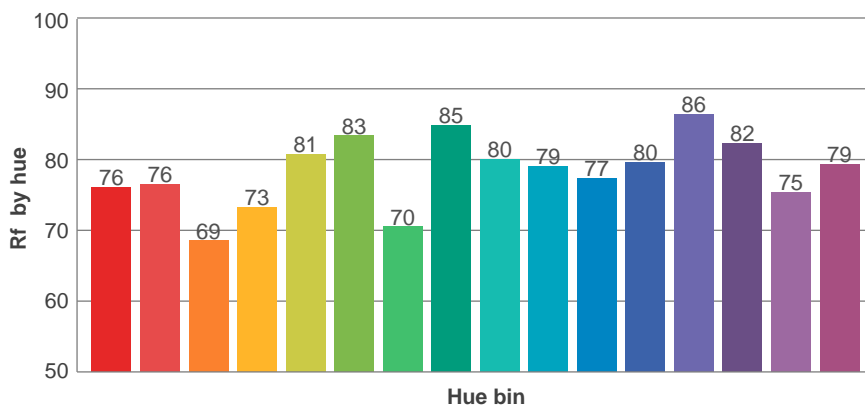
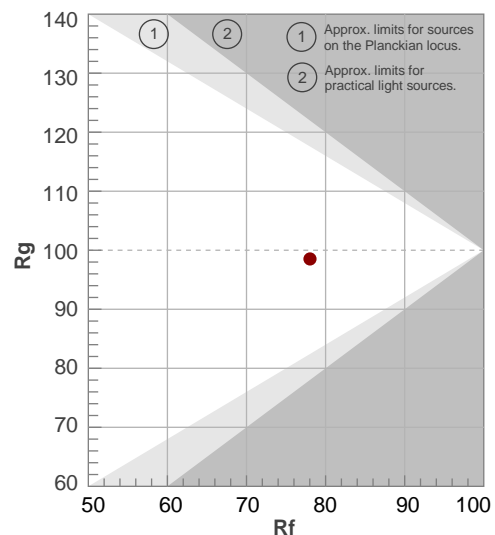
**Rf 78.0**

Fidelity index Rf

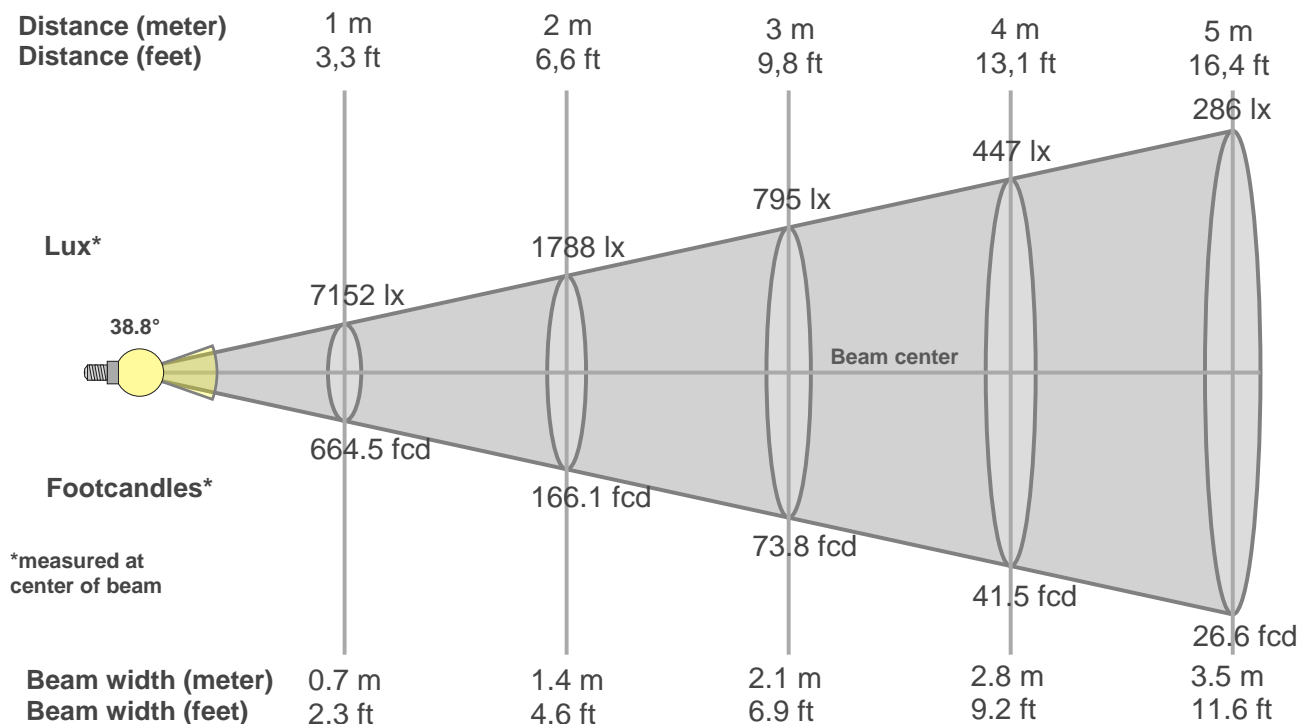
**Rg 98.5**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	76	-11%	-4%
2	76	-9%	8%
3	69	-3%	15%
4	73	8%	14%
5	81	12%	8%
6	83	9%	-3%
7	70	5%	-16%
8	85	-2%	-9%
9	80	-8%	-7%
10	79	-11%	1%
11	77	-8%	11%
12	80	3%	8%
13	86	8%	-1%
14	82	7%	-10%
15	75	3%	-13%
16	79	-8%	-12%



## 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
7152lx	1788lx	795lx	447lx	286lx	199lx	146lx	112lx	88lx	72lx	59lx	50lx	42lx	36lx	32lx	28lx	25lx	22lx	20lx	18lx
664.5fcd	166.1fcd	73.8fcd	41.5fcd	26.6fcd	18.5fcd	13.6fcd	10.4fcd	8.2fcd	6.6fcd	5.5fcd	4.6fcd	3.9fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.8fcd	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°
7152	7152	6917	6613	6254	5776	5298	4811	4324	3866	3451	3037	2722	2412	2092	1761	1426	971	515	271
100%	100%	97%	92%	87%	81%	74%	67%	60%	54%	48%	42%	38%	34%	29%	25%	20%	14%	7%	4%

### 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°
7152	7152	6917	6613	6254	5776	5298	4811	4324	3866	3451	3037	2722	2412	2092	1761	1426	971	515	271
100%	100%	97%	92%	87%	81%	74%	67%	60%	54%	48%	42%	38%	34%	29%	25%	20%	14%	7%	4%

### 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°
7152	7152	6917	6613	6254	5776	5298	4811	4324	3866	3451	3037	2722	2412	2092	1761	1426	971	515	271
100%	100%	97%	92%	87%	81%	74%	67%	60%	54%	48%	42%	38%	34%	29%	25%	20%	14%	7%	4%

### 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°
7152	7152	6917	6613	6254	5776	5298	4811	4324	3866	3451	3037	2722	2412	2092	1761	1426	971	515	271
100%	100%	97%	92%	87%	81%	74%	67%	60%	54%	48%	42%	38%	34%	29%	25%	20%	14%	7%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38.8°	70.2°	80.1°	98.8%	98.0%