

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 79.7

Color temperature:

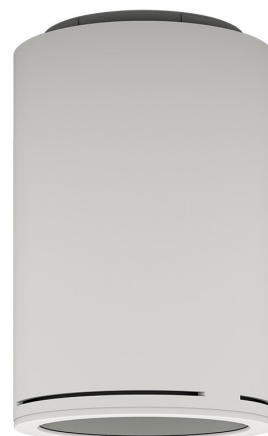
2928 K

Output: 3597 lm

Peak: 5164 cd

Power: 50.9 W

PF: 1.0



Beam angle

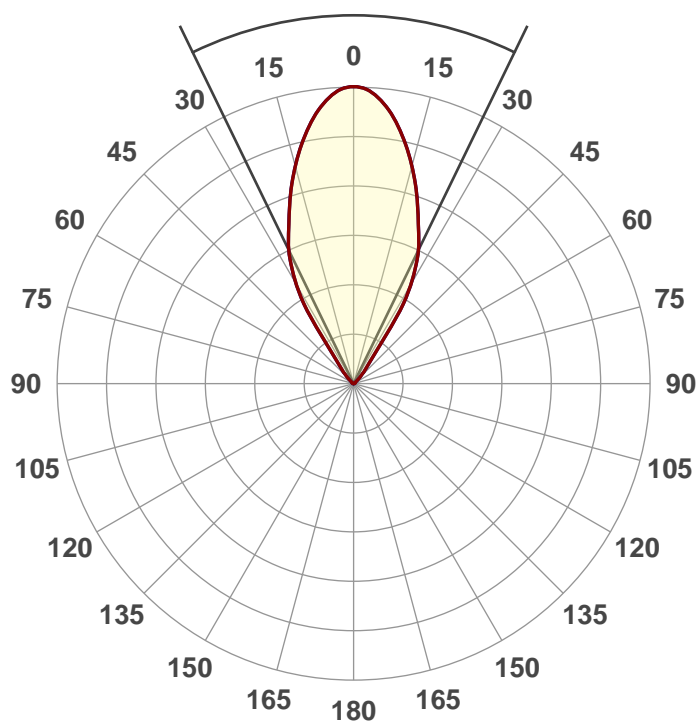
51.8°

Product name:

608RA-6-XTM19-50LM-30K-83-
DA60-UNV-DIM10-MC-S-CRO

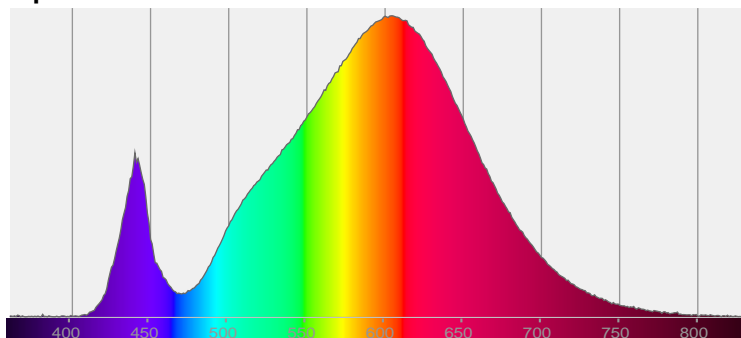
Date and time:

12/5/2017 9:31:18 AM

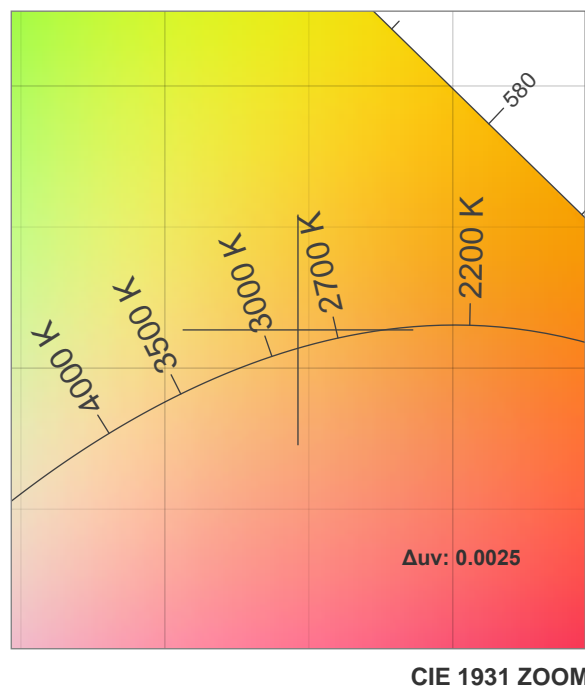
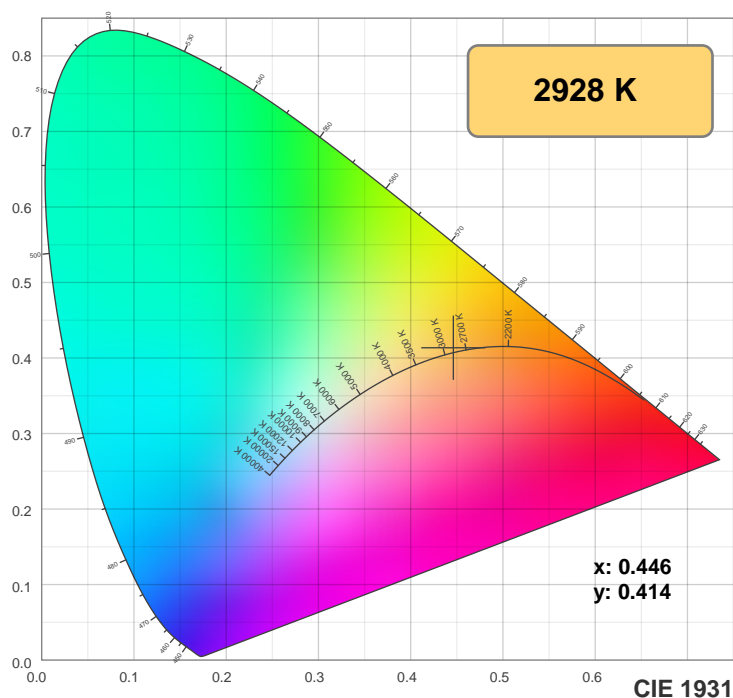


CIE 1931
x: 0.446
y: 0.414

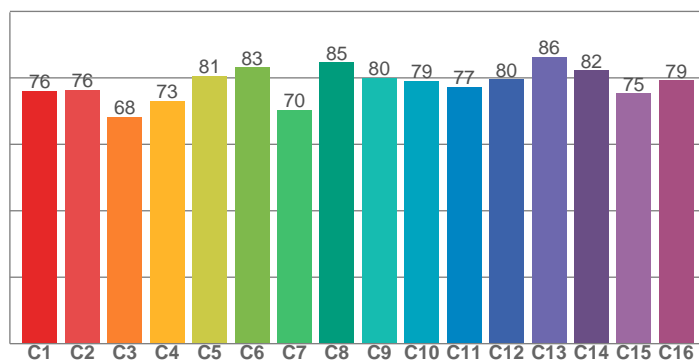
Spectra



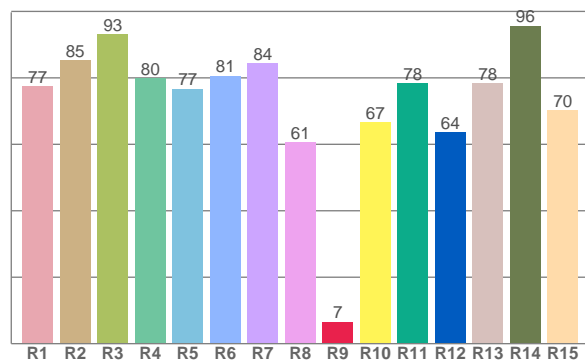
Color details



TM30: 77.9



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
77.4	85.2	93.0	79.9	76.7	80.6	84.4	60.6	6.6	66.6	78.4	63.5	78.4	95.7	70.3

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
76.1	76.3	68.2	73.1	80.6	83.2	70.3	84.6	79.9	79.0	77.3	79.6	86.3	82.3	75.3	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	6.6	77.9	98.6	0.446	0.414	0.252	0.351	0.0025

TM30 details

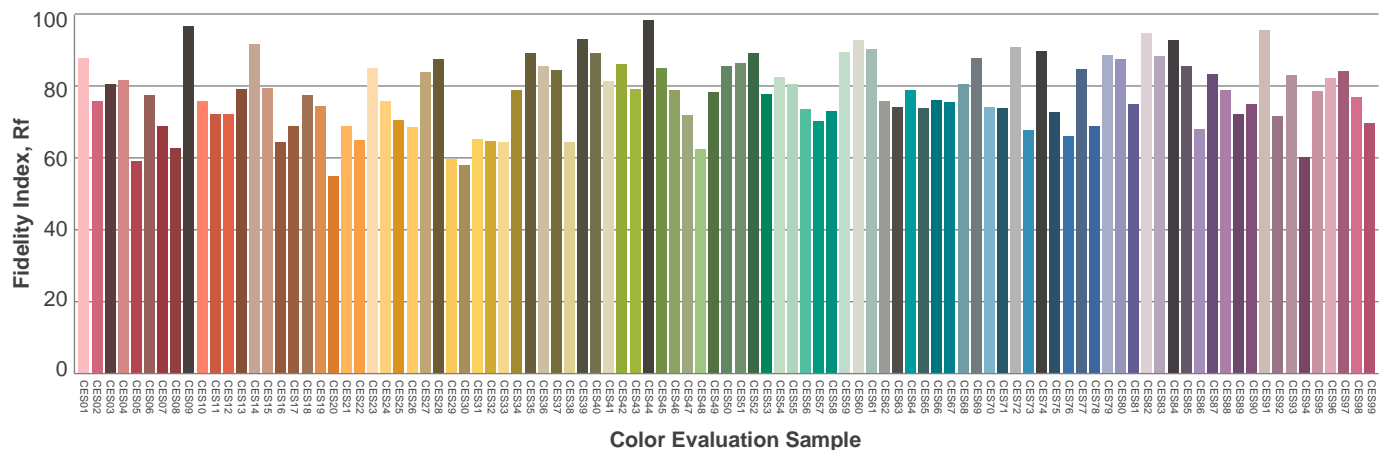
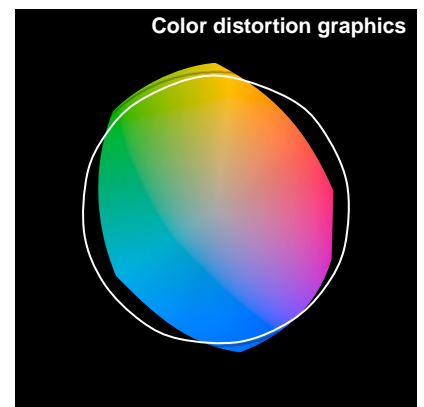
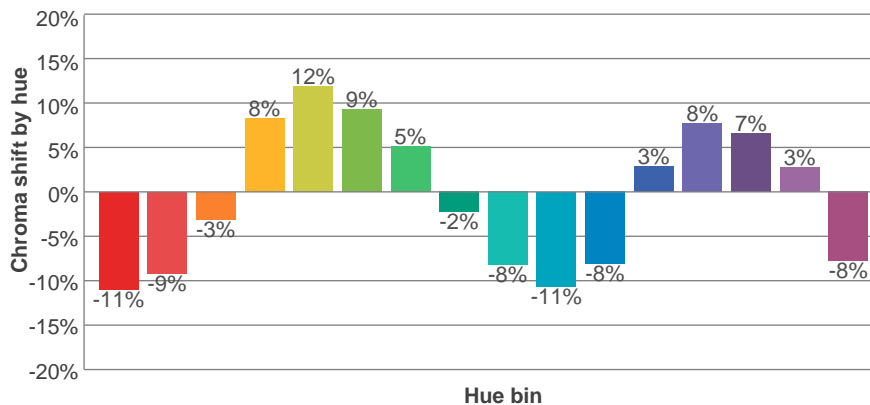
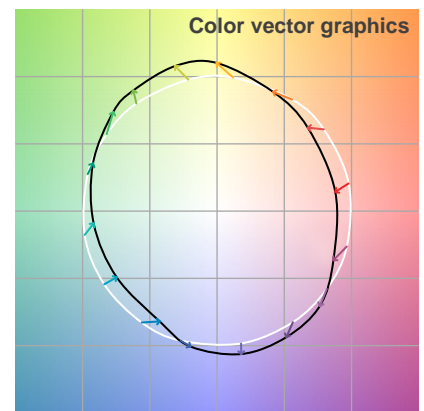
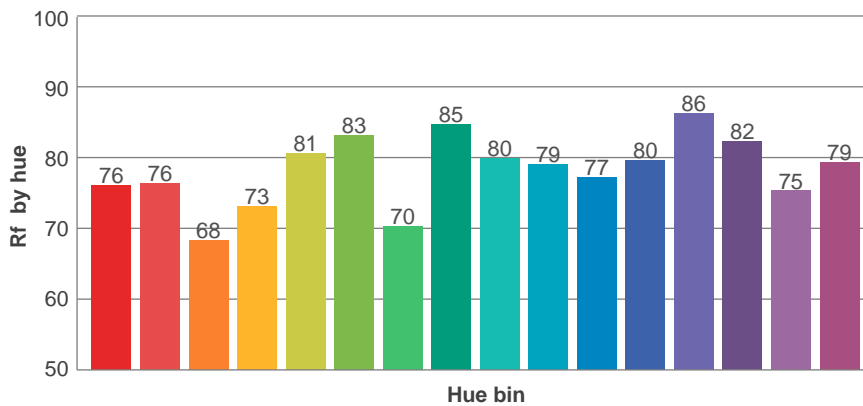
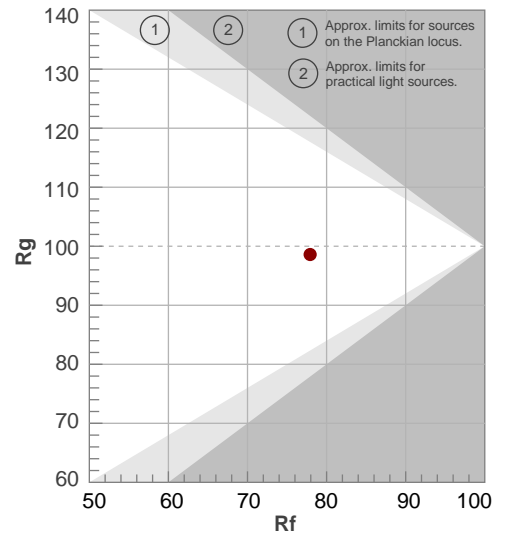
Rf 77.9

Fidelity index Rf

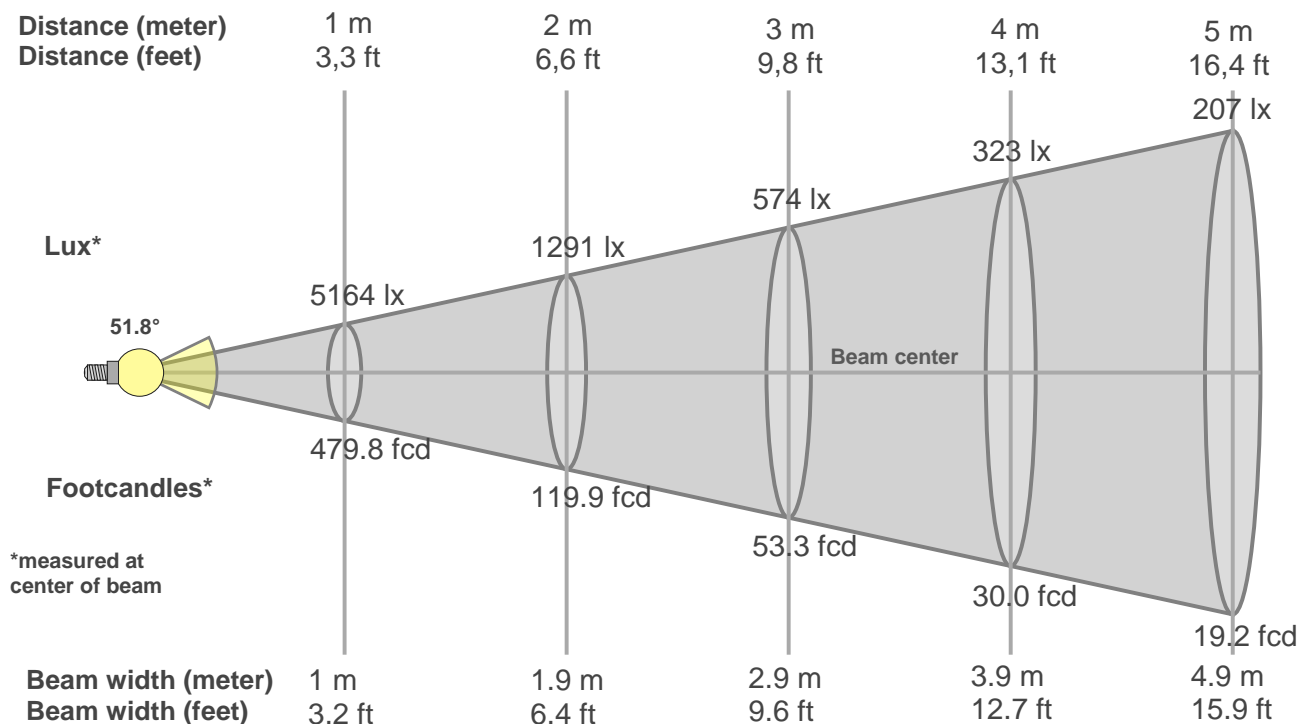
Rg 98.6

Gammut 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	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
5164lx	1291lx	574lx	323lx	207lx	143lx	105lx	81lx	64lx	52lx	43lx	36lx	31lx	26lx	23lx	20lx	18lx	16lx	14lx	13lx
479.8fcd	119.9fcd	53.3fcd	30fcd	19.2fcd	13.3fcd	9.8fcd	7.5fcd	5.9fcd	4.8fcd	4fcd	3.3fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd

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°
5164	5164	5059	4923	4760	4540	4319	4069	3814	3556	3292	3029	2799	2571	2295	1966	1632	1153	674	415
100%	100%	98%	95%	92%	88%	84%	79%	74%	69%	64%	59%	54%	50%	44%	38%	32%	22%	13%	8%

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°
5164	5164	5059	4923	4760	4540	4319	4069	3814	3556	3292	3029	2799	2571	2295	1966	1632	1153	674	415
100%	100%	98%	95%	92%	88%	84%	79%	74%	69%	64%	59%	54%	50%	44%	38%	32%	22%	13%	8%

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°
5164	5164	5059	4923	4760	4540	4319	4069	3814	3556	3292	3029	2799	2571	2295	1966	1632	1153	674	415
100%	100%	98%	95%	92%	88%	84%	79%	74%	69%	64%	59%	54%	50%	44%	38%	32%	22%	13%	8%

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°
5164	5164	5059	4923	4760	4540	4319	4069	3814	3556	3292	3029	2799	2571	2295	1966	1632	1153	674	415
100%	100%	98%	95%	92%	88%	84%	79%	74%	69%	64%	59%	54%	50%	44%	38%	32%	22%	13%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
51.8°	73.3°	92.1°	98.0%	96.0%