

Encore Profile Mini Color



Light Efficiency:

8 Lumen/Watt

Light Quality:

CRI: 37.8

Color Temperature:

1821 K

Output: 105 lm

Peak: 989 cd

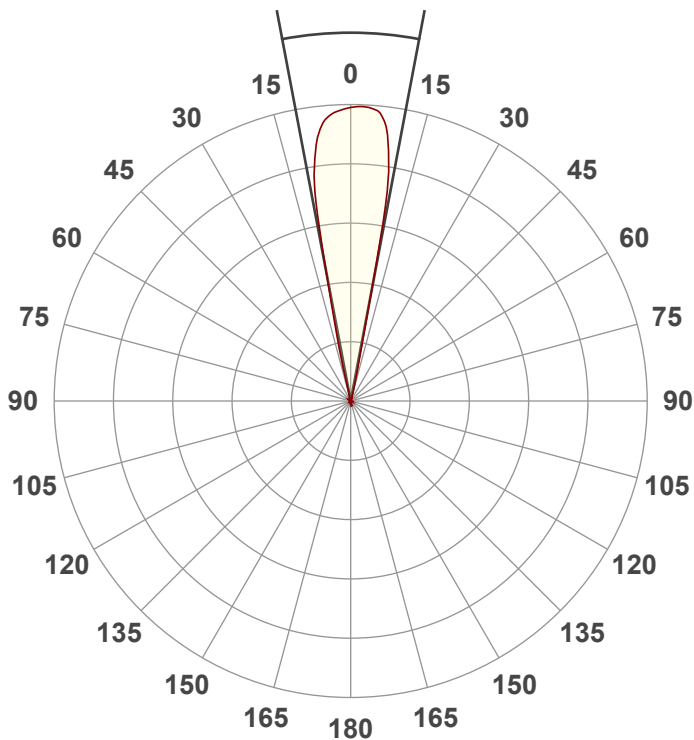
Power: 13.8 W

PF: 0.96



Beam Angle

21.4°



Test:

Zoom 25deg Amber

Date:

9/7/2023

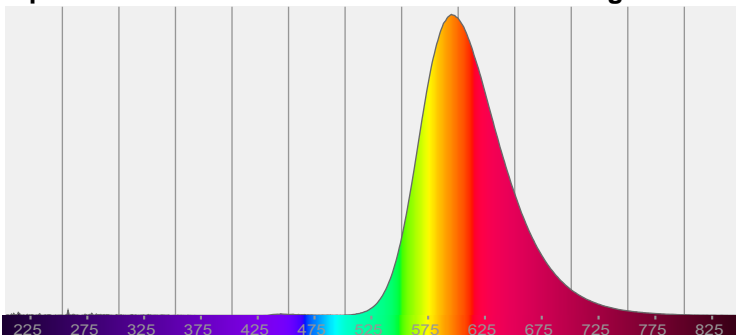
Note:



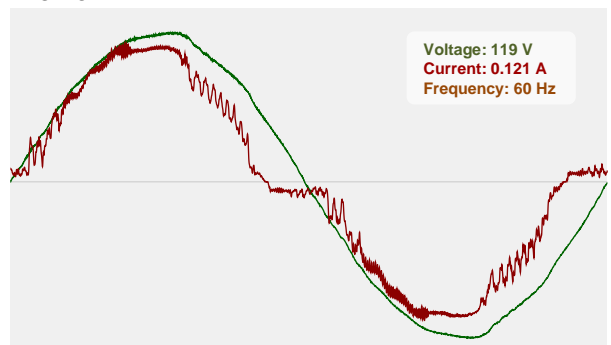
CIE 1931
x: 0.565
y: 0.431

Spectra

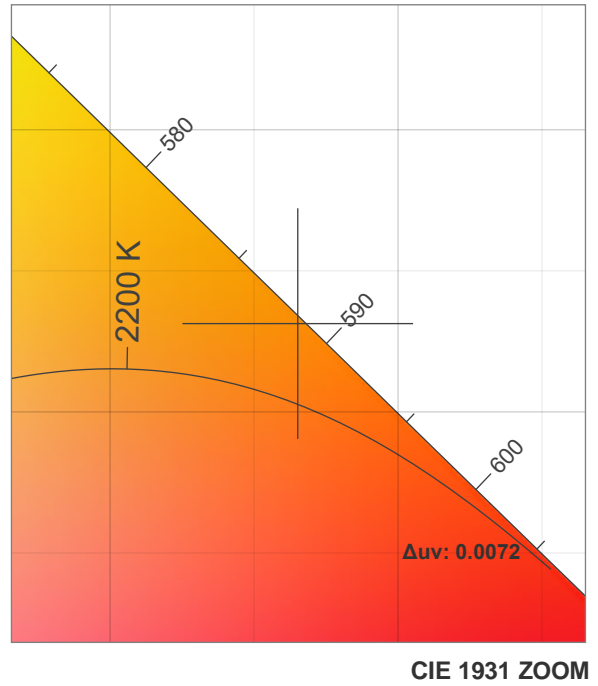
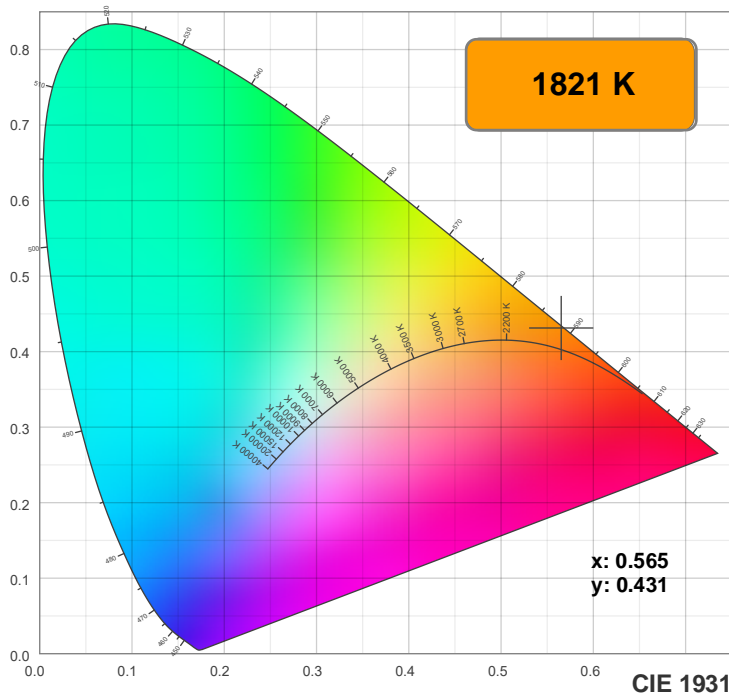
Dominant Wavelength: 589nm



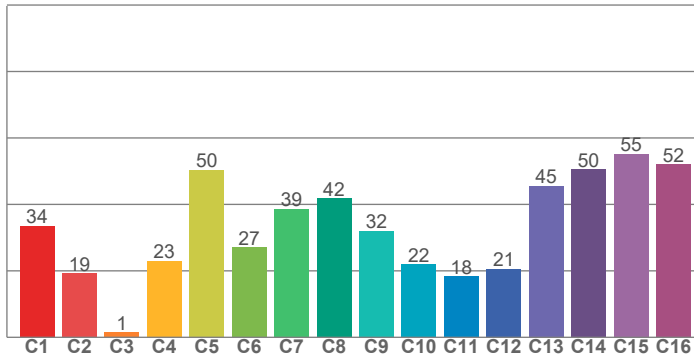
Power



Color Details



TM30: 31.6



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
28.1	64.7	83.9	11.6	18.4	45.5	57.7	-7.4	-115.3	30.5	-18.9	-5.4	31.1	90.2	23.2

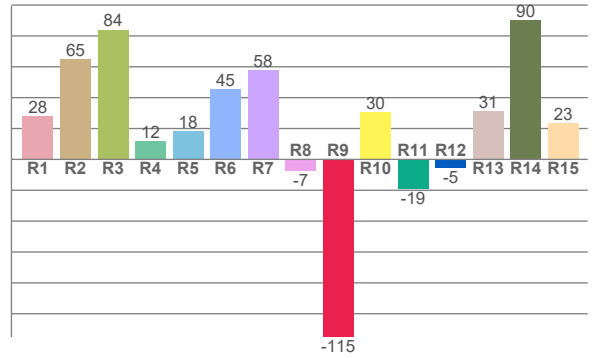
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
33.5	19.3	1.5	23.0	50.3	27.1	38.6	41.8	32.1	22.0	18.3	20.6	45.5	50.5	55.1	52.0

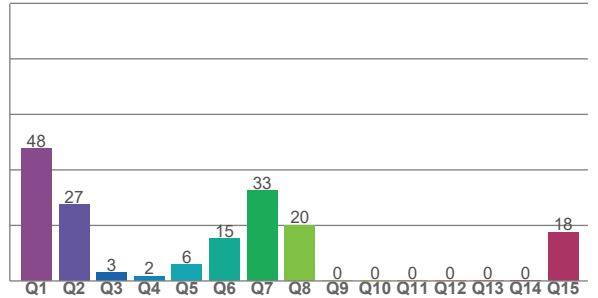
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
47.7	27.4	2.9	1.7	5.9	15.3	32.6	20.2	0.1	0.0	0.0	0.0	0.0	0.1	17.5

CRI: 37.8 (R1-R8)



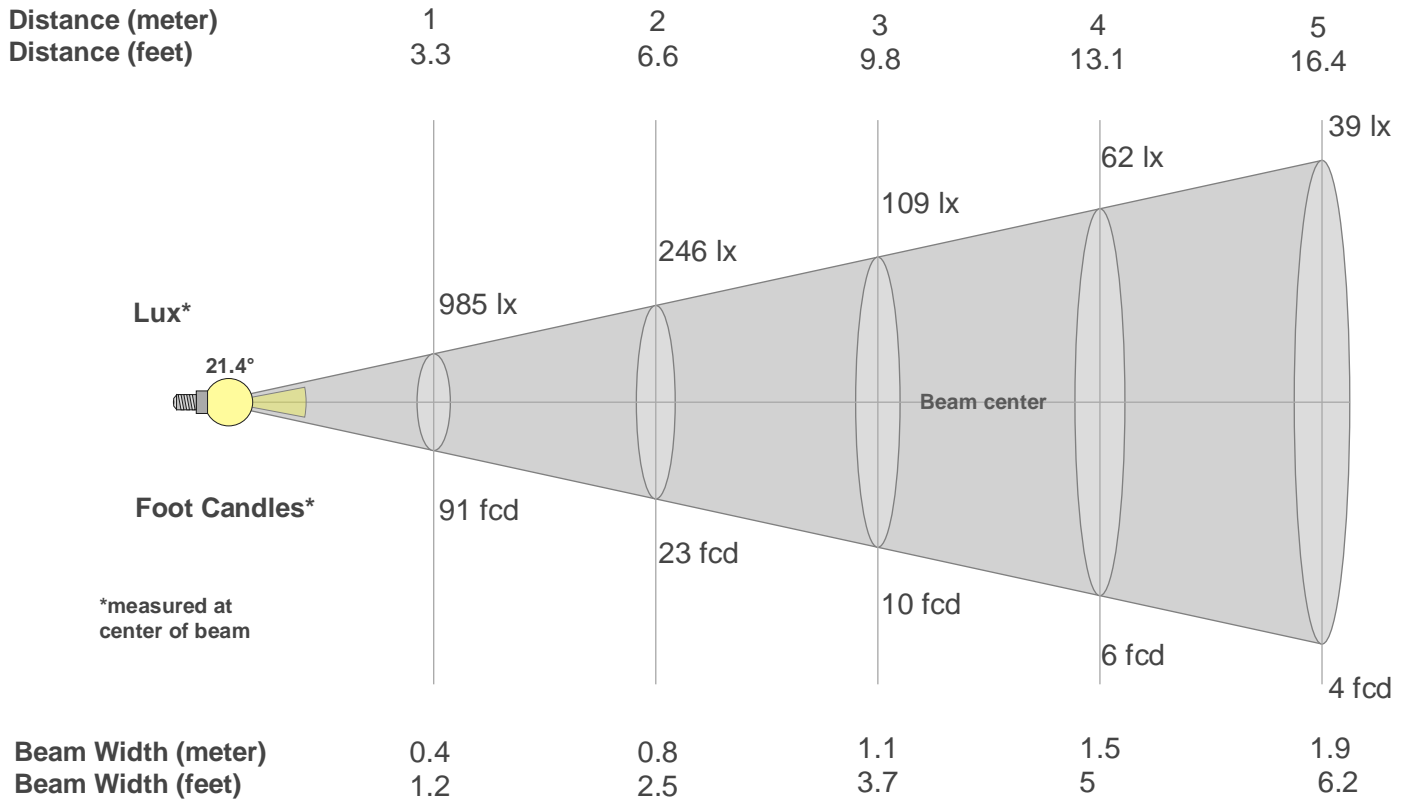
CQS: 0.5



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
1821 K	37.8	-115.3	31.6	27.7	0.5	0.565	0.431	0.321	0.367	0.0072

Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	985	246	109	62	39	27	20	15	12	10	8	7	6	5	4	4	3	3	3	2
fcd	91.5	22.9	10.2	5.7	3.7	2.5	1.9	1.4	1.1	0.9	0.8	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
985	980	976	970	962	946	928	888	844	756	656	429	213	101	0	0	0	0	0	0
100%	100%	99%	98%	98%	96%	94%	90%	86%	77%	67%	44%	22%	10%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
985	980	976	970	962	946	928	888	844	756	656	429	213	101	0	0	0	0	0	0
100%	100%	99%	98%	98%	96%	94%	90%	86%	77%	67%	44%	22%	10%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
985	987	988	987	984	976	966	929	889	786	677	415	137	62	5	0	0	0	0	0
100%	100%	100%	100%	100%	99%	98%	94%	90%	80%	69%	42%	14%	6%	1%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
985	987	988	987	984	976	966	929	889	786	677	415	137	62	5	0	0	0	0	0
100%	100%	100%	100%	100%	99%	98%	94%	90%	80%	69%	42%	14%	6%	1%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
21.4°	25.4°	27.3°	99.9%	99.9%