

# Encore FR Pro Color



Light Efficiency:

25 Lumen/Watt

Light Quality:

CRI: 66.6

Color Temperature:

1882 K

Output: 2809 lm

Peak: 7848 cd

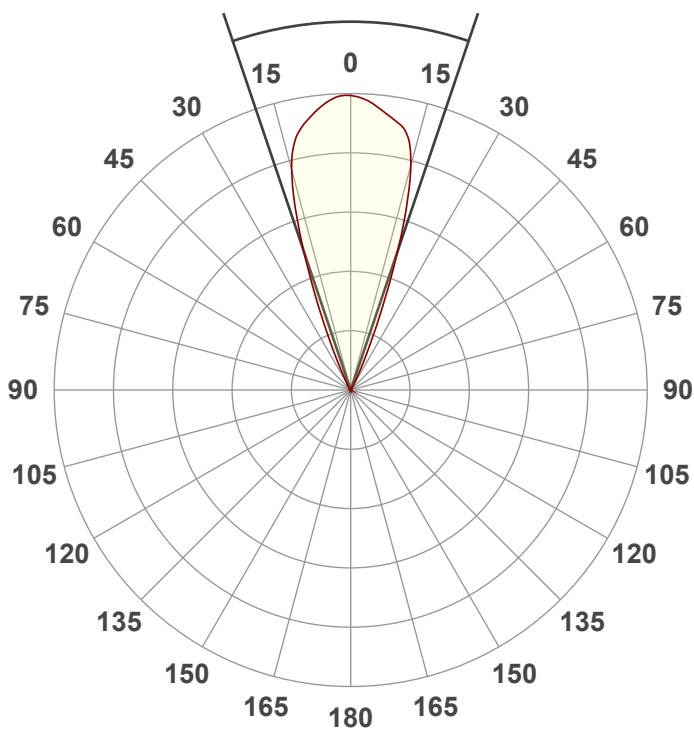
Power: 114.6 W

PF: 0.98



Beam Angle

37.3°



Test:

Amber Zoom Out

Date:

3/16/2022

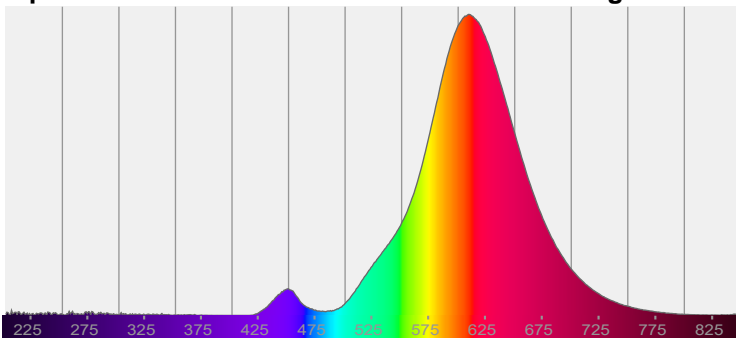
Note:



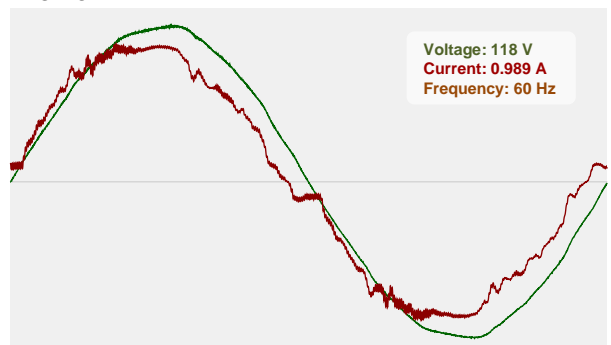
CIE 1931  
x: 0.545  
y: 0.416

Spectra

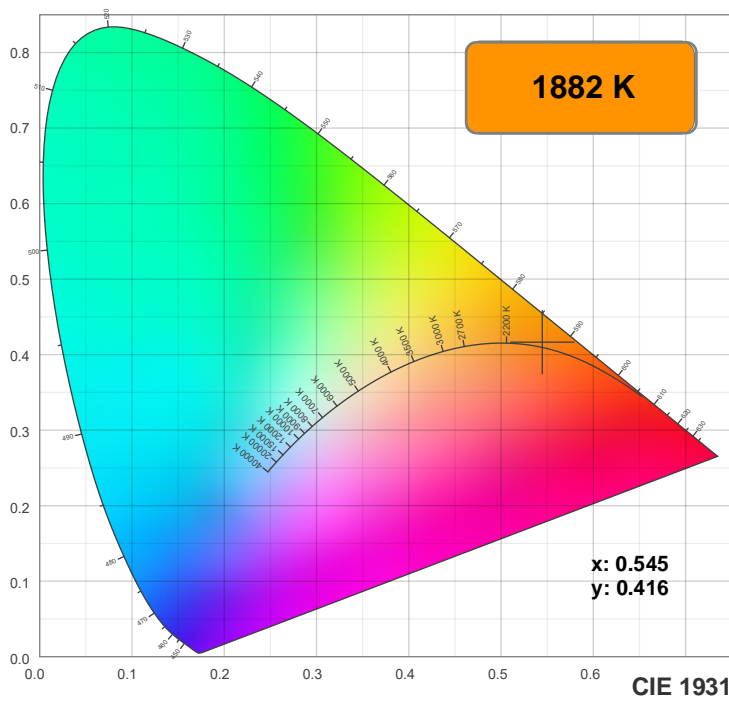
Dominant Wavelength: 590nm



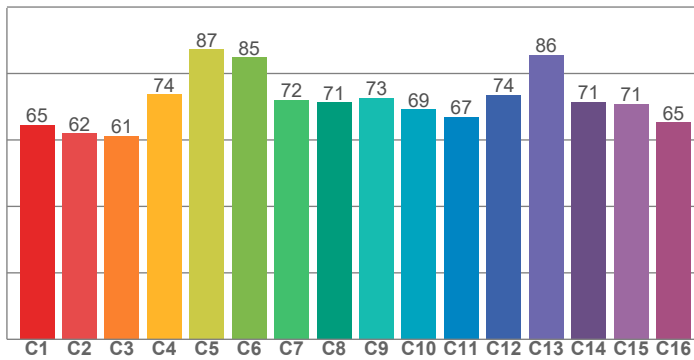
Power



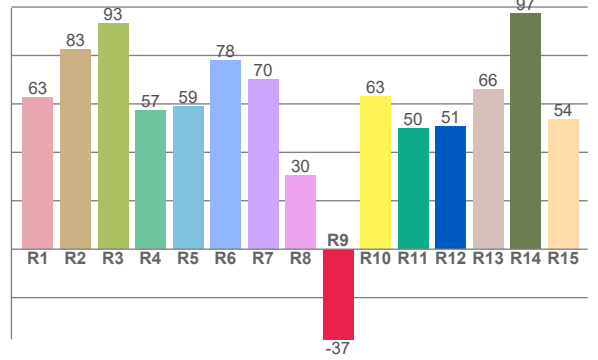
## Color Details



TM30: 71.1



CRI: 66.6 (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
62.6	82.5	93.1	57.2	58.9	78.0	70.0	30.4	-37.2	63.3	49.9	50.7	65.9	97.3	53.5

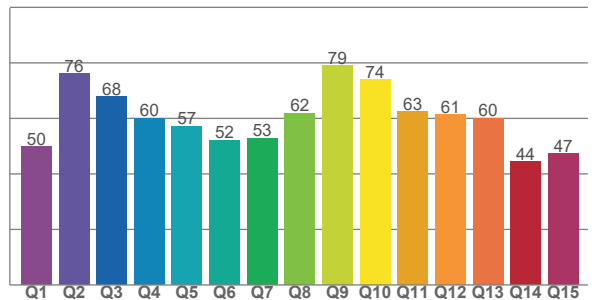
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.6	62.0	61.2	73.7	87.3	84.9	72.1	71.3	72.6	69.1	66.9	73.6	85.6	71.5	70.9	65.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
49.9	76.2	67.8	60.0	57.2	52.2	52.9	61.9	79.0	73.9	62.5	61.4	60.1	44.3	47.4

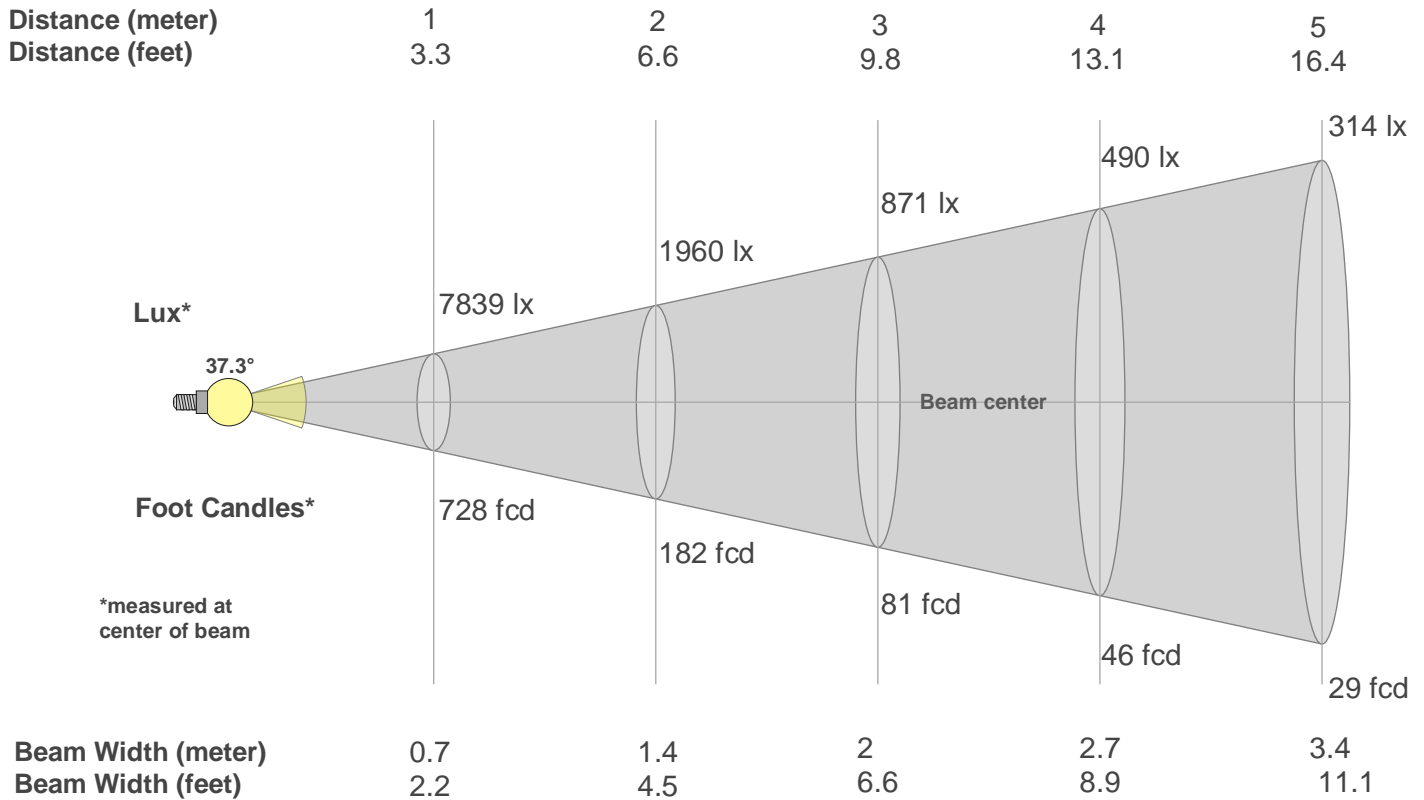
CQS: 58.3



## 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	$\Delta uv$
1882 K	66.6	-37.2	71.1	90.9	58.3	0.545	0.416	0.315	0.362	0.0019

## 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	7839	1960	871	490	314	218	160	122	97	78	65	54	46	40	35	31	27	24	22	20
fcd	728.3	182.1	80.9	45.5	29.1	20.2	14.9	11.4	9	7.3	6	5.1	4.3	3.7	3.2	2.8	2.5	2.2	2	1.8

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°
7839	7831	7739	7585	7393	7183	6902	6417	5567	4359	3039	1894	1069	577	314	188	126	95	78	66
100%	100%	99%	97%	94%	92%	88%	82%	71%	56%	39%	24%	14%	7%	4%	2%	2%	1%	1%	1%

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°
7839	7831	7739	7585	7393	7183	6902	6417	5567	4359	3039	1894	1069	577	314	188	126	95	78	66
100%	100%	99%	97%	94%	92%	88%	82%	71%	56%	39%	24%	14%	7%	4%	2%	2%	1%	1%	1%

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°
7839	7783	7677	7525	7372	7223	7013	6542	5655	4398	3016	1826	992	513	272	162	109	80	65	52
100%	99%	98%	96%	94%	92%	89%	83%	72%	56%	38%	23%	13%	7%	3%	2%	1%	1%	1%	1%

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°
7839	7783	7677	7525	7372	7223	7013	6542	5655	4398	3016	1826	992	513	272	162	109	80	65	52
100%	99%	98%	96%	94%	92%	89%	83%	72%	56%	38%	23%	13%	7%	3%	2%	1%	1%	1%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
37.3°	49.8°	59.1°	99.9%	99.2%