

# Encore FR Pro Color



Light Efficiency:

14 Lumen/Watt

Light Quality:

CRI: 66.8

Color Temperature:

1892 K

Output: 1558 lm

Peak: 36246 cd

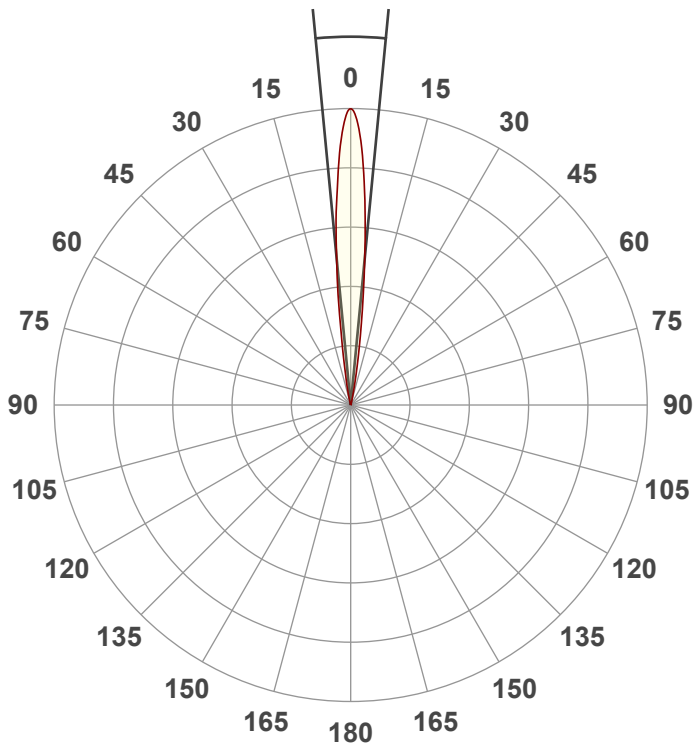
Power: 112.2 W

PF: 1.0



Beam Angle

10.9°



Test:

Zoom 50% Amber

Date:

11/12/2021

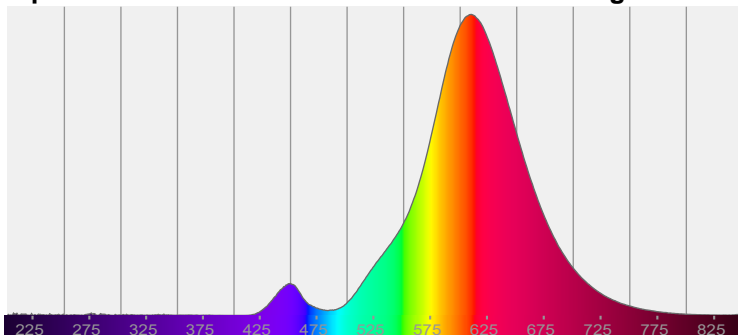
Note:



CIE 1931  
x: 0.539  
y: 0.412

Spectra

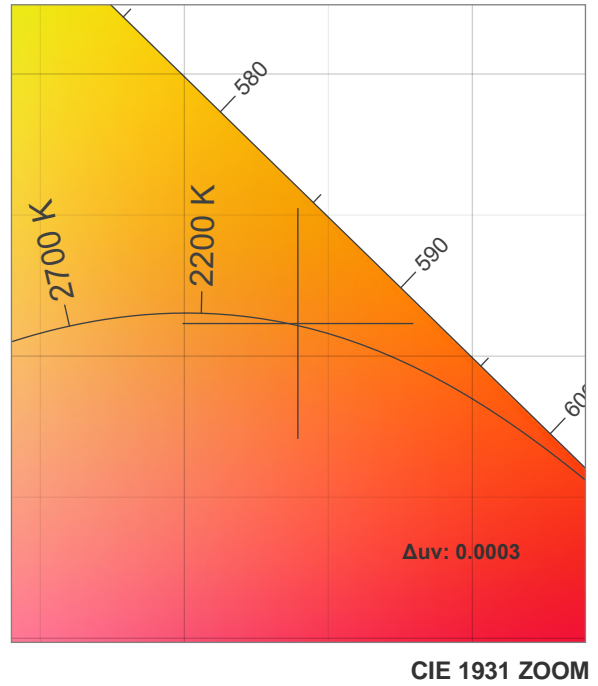
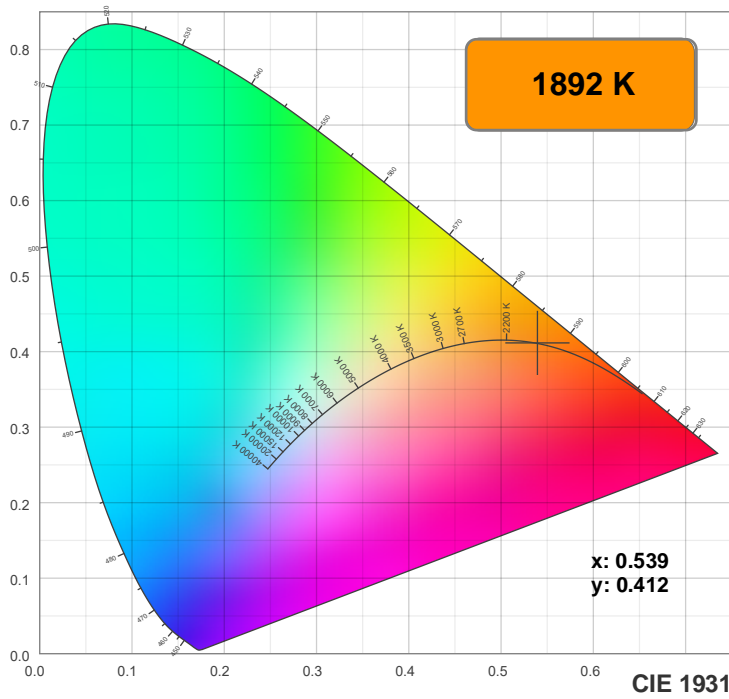
Dominant Wavelength: 590nm



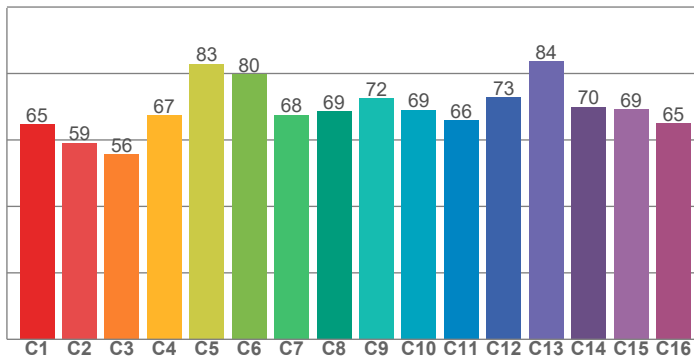
Power

Voltage: 116 V  
Current: 0.965 A  
Frequency: 0 Hz

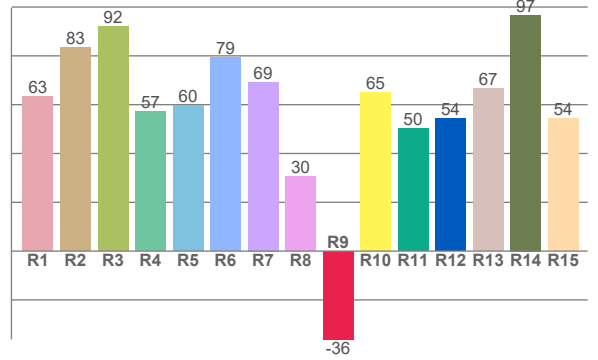
## Color Details



TM30: 68.8



CRI: 66.8 (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
63.2	83.4	92.1	57.2	59.8	79.3	69.3	30.4	-36.1	65.0	50.1	54.2	66.7	96.8	54.4

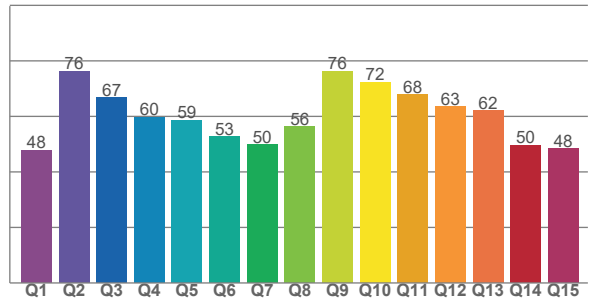
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.7	59.1	55.7	67.4	82.9	79.8	67.5	68.5	72.5	69.1	65.8	72.8	83.6	70.0	69.2	65.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
47.8	76.3	66.7	59.7	58.6	52.7	49.8	56.3	76.4	72.3	67.8	63.4	62.1	49.7	48.4

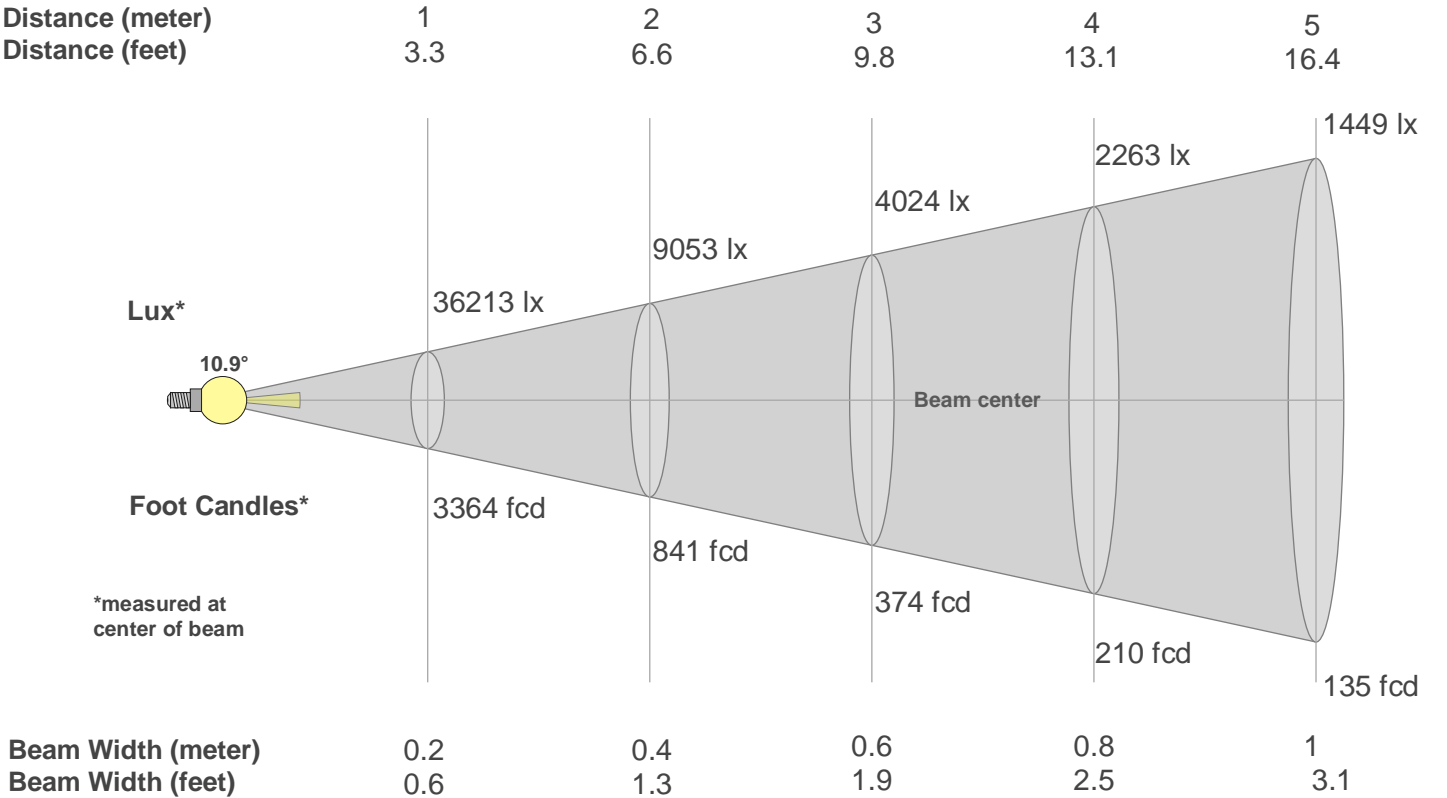
CQS: 58.6



## 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	$\Delta uv$
1892 K	66.8	-36.1	68.8	94.3	58.6	0.539	0.412	0.315	0.360	0.0003

Beam Details



Lux\*

10.9°

Foot Candles\*

\*measured at center of beam

36213 lx

9053 lx

4024 lx

2263 lx

1449 lx

3364 fcd

841 fcd

374 fcd

210 fcd

135 fcd

Beam center

Beam Width (meter)

Beam Width (feet)

0.2

0.6

0.4

1.3

0.6

1.9

0.8

2.5

1

3.1

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	36213	9053	4024	2263	1449	1006	739	566	447	362	299	251	214	185	161	141	125	112	100	91
fcd	3364.3	841.1	373.8	210.3	134.6	93.5	68.7	52.6	41.5	33.6	27.8	23.4	19.9	17.2	15	13.1	11.6	10.4	9.3	8.4

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°
36.2K	35.3K	32.7K	29.0K	24.9K	20.5K	15.9K	11.5K	7.6K	5.0K	3.3K	2.3K	1.5K	0.9K	0.5K	0.3K	0.2K	0.2K	0.1K	0.1K
100%	97%	90%	80%	69%	57%	44%	32%	21%	14%	9%	6%	4%	3%	1%	1%	1%	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°
36.2K	35.3K	32.7K	29.0K	24.9K	20.5K	15.9K	11.5K	7.6K	5.0K	3.3K	2.3K	1.5K	0.9K	0.5K	0.3K	0.2K	0.2K	0.1K	0.1K
100%	97%	90%	80%	69%	57%	44%	32%	21%	14%	9%	6%	4%	3%	1%	1%	1%	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°
36.2K	35.3K	33.0K	29.4K	25.0K	20.3K	15.8K	11.8K	8.5K	5.9K	3.9K	2.5K	1.5K	1.0K	0.6K	0.4K	0.3K	0.3K	0.2K	0.2K
100%	98%	91%	81%	69%	56%	44%	33%	23%	16%	11%	7%	4%	3%	2%	1%	1%	1%	1%	1%

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°
36.2K	35.3K	33.0K	29.4K	25.0K	20.3K	15.8K	11.8K	8.5K	5.9K	3.9K	2.5K	1.5K	1.0K	0.6K	0.4K	0.3K	0.3K	0.2K	0.2K
100%	98%	91%	81%	69%	56%	44%	33%	23%	16%	11%	7%	4%	3%	2%	1%	1%	1%	1%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
10.9°	19.8°	26.2°	100.0%	100.0%