

# Encore FR Pro Color



Light Efficiency:

24 Lumen/Watt

Light Quality:

CRI: 66.8

Color Temperature:

1888 K

Output: 2710 lm

Peak: 8793 cd

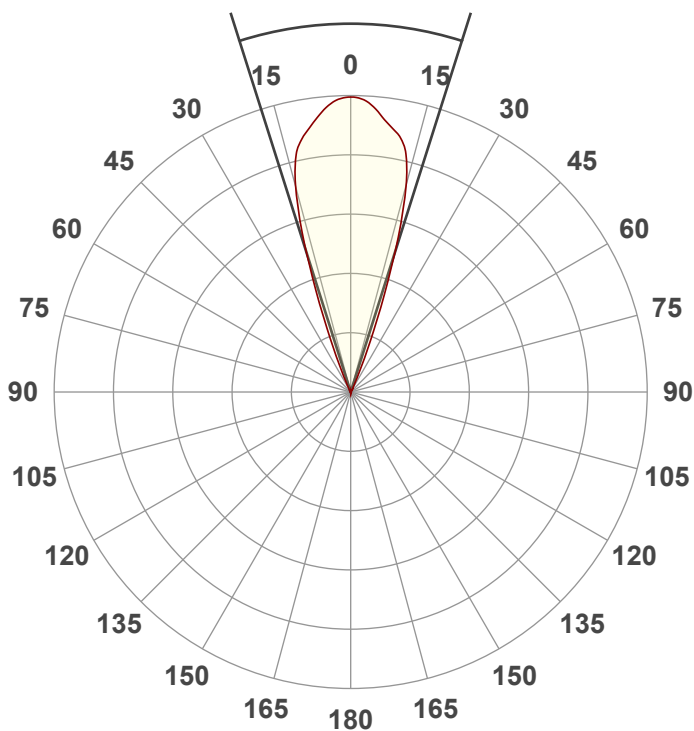
Power: 112.2 W

PF: 1.0



Beam Angle

35.1°



Test:

Zoom Out Amber

Date:

11/15/2021

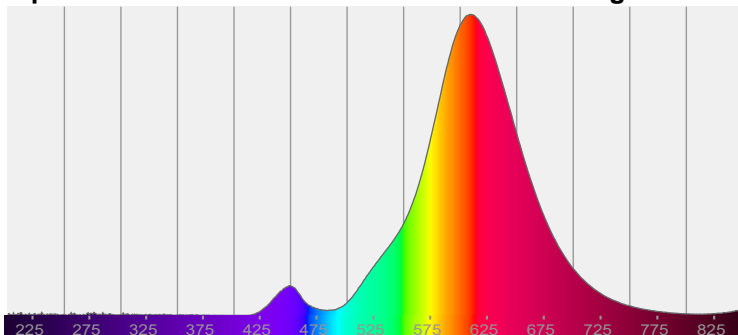
Note:



CIE 1931  
x: 0.541  
y: 0.412

Spectra

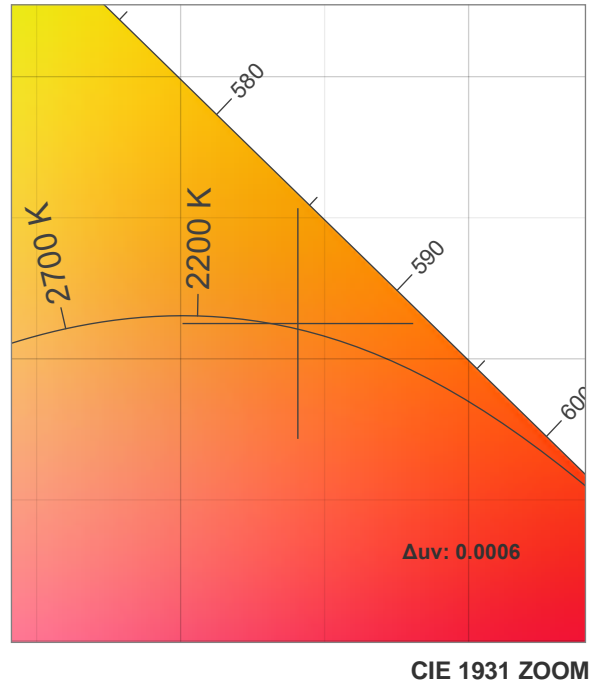
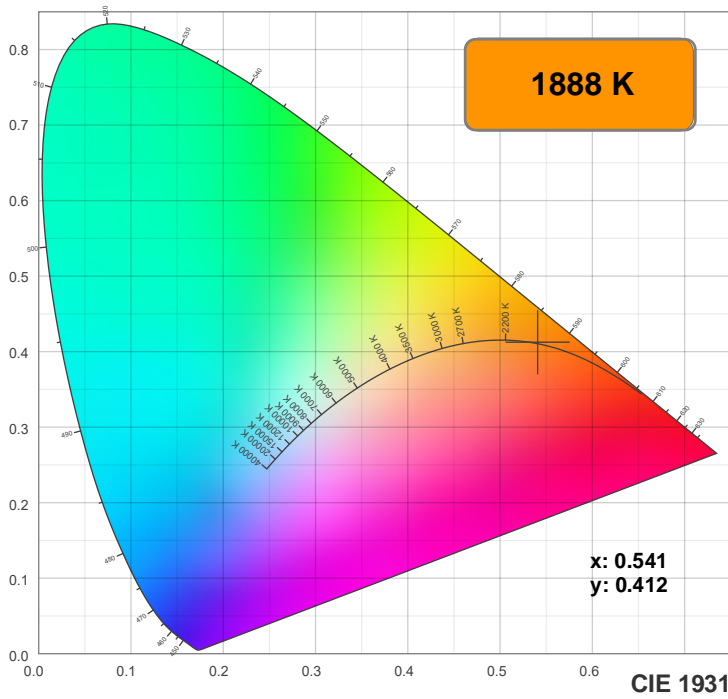
Dominant Wavelength: 590nm



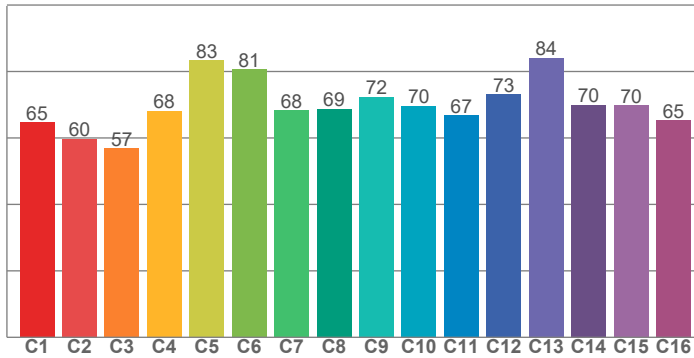
Power

Voltage: 116 V  
Current: 0.966 A  
Frequency: 0 Hz

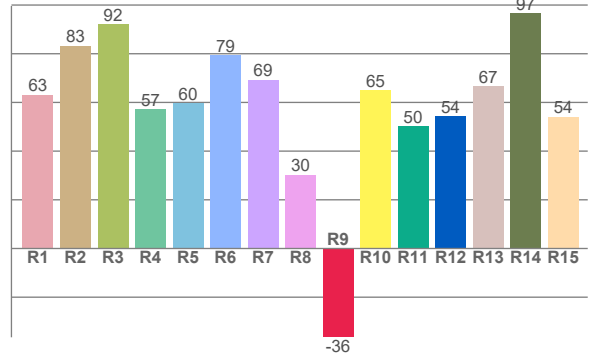
## Color Details



TM30: 69.2



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
63.1	83.3	92.1	57.3	59.8	79.3	69.3	30.3	-36.5	64.9	50.3	54.3	66.6	96.8	54.2

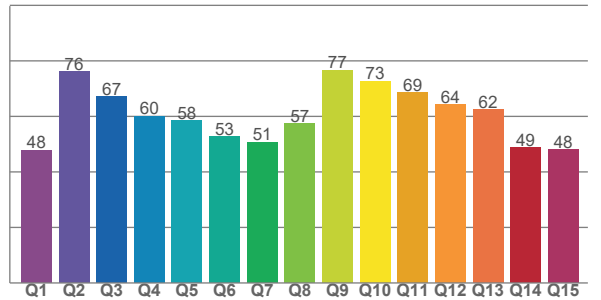
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.6	59.7	56.8	68.1	83.4	80.6	68.3	68.7	72.4	69.6	66.8	73.1	84.0	70.0	69.7	65.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
47.8	76.1	67.2	60.1	58.4	52.7	50.6	57.5	76.7	72.7	68.6	64.3	62.4	48.7	48.0

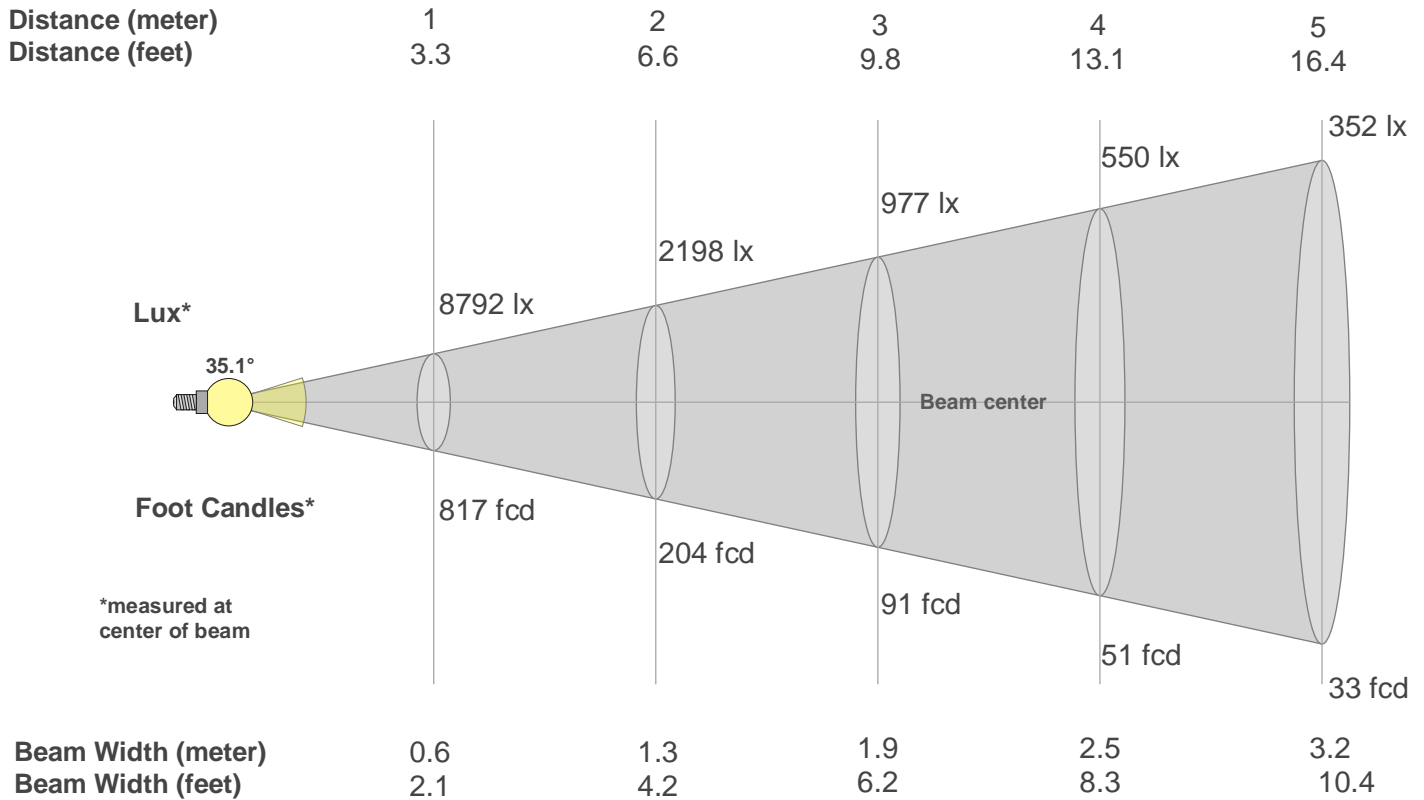
CQS: 58.8



## 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	$\Delta uv$
1888 K	66.8	-36.5	69.2	93.6	58.8	0.541	0.412	0.315	0.360	0.0006

## 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	8792	2198	977	550	352	244	179	137	109	88	73	61	52	45	39	34	30	27	24	22
fcd	816.8	204.2	90.8	51.1	32.7	22.7	16.7	12.8	10.1	8.2	6.8	5.7	4.8	4.2	3.6	3.2	2.8	2.5	2.3	2

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°
8792	8750	8611	8379	8102	7819	7465	6798	5629	4017	2393	1198	531	246	141	104	86	76	65	56
100%	100%	98%	95%	92%	89%	85%	77%	64%	46%	27%	14%	6%	3%	2%	1%	1%	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°
8792	8750	8611	8379	8102	7819	7465	6798	5629	4017	2393	1198	531	246	141	104	86	76	65	56
100%	100%	98%	95%	92%	89%	85%	77%	64%	46%	27%	14%	6%	3%	2%	1%	1%	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°
8792	8746	8592	8342	8082	7854	7526	6853	5649	4018	2404	1211	537	258	158	120	96	79	68	56
100%	99%	98%	95%	92%	89%	86%	78%	64%	46%	27%	14%	6%	3%	2%	1%	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°
8792	8746	8592	8342	8082	7854	7526	6853	5649	4018	2404	1211	537	258	158	120	96	79	68	56
100%	99%	98%	95%	92%	89%	86%	78%	64%	46%	27%	14%	6%	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
35.1°	45.4°	52.8°	99.8%	99.1%