

# Encore FR Pro WW



Light Efficiency:

31 Lumen/Watt

Light Quality:

CRI: 97.2

Color Temperature:

3060 K

Output: 7935 lm

Peak: 242072 cd

Power: 259.2 W

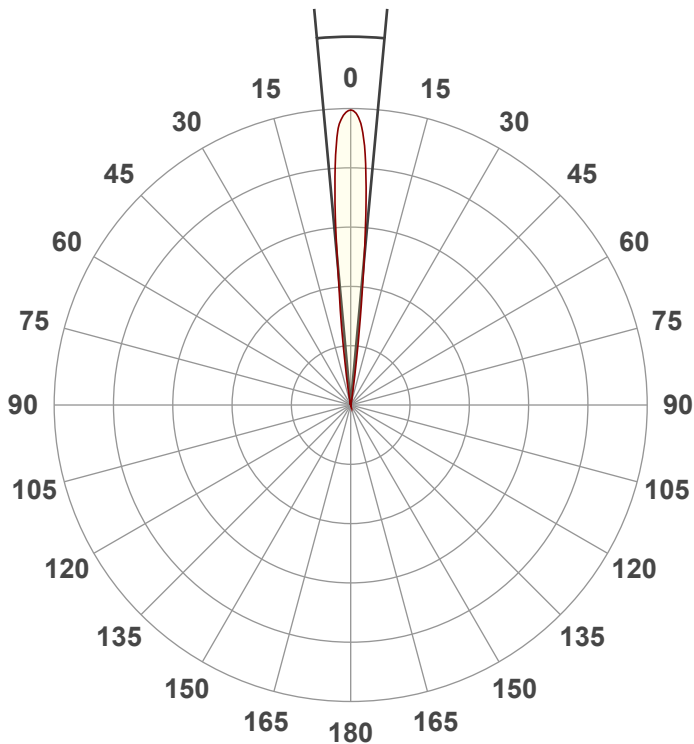
PF: 0.98

Rotating 4-Leaf  
Barn Door



Beam Angle

10.5°



Test:

Zoom In

Date:

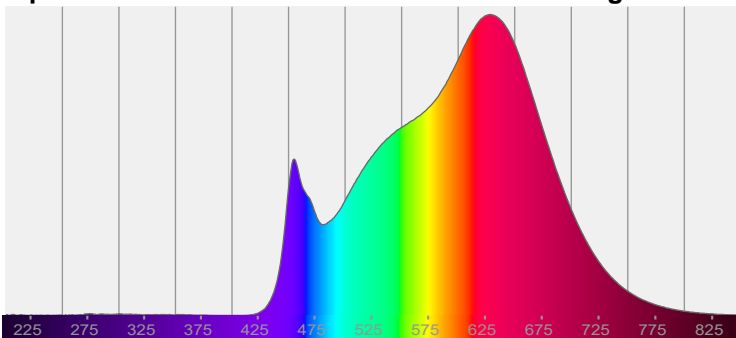
9/2/2022

Note:

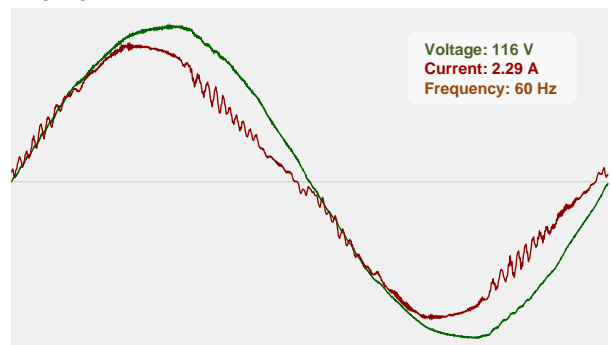
CIE 1931  
x: 0.433  
y: 0.402

Spectra

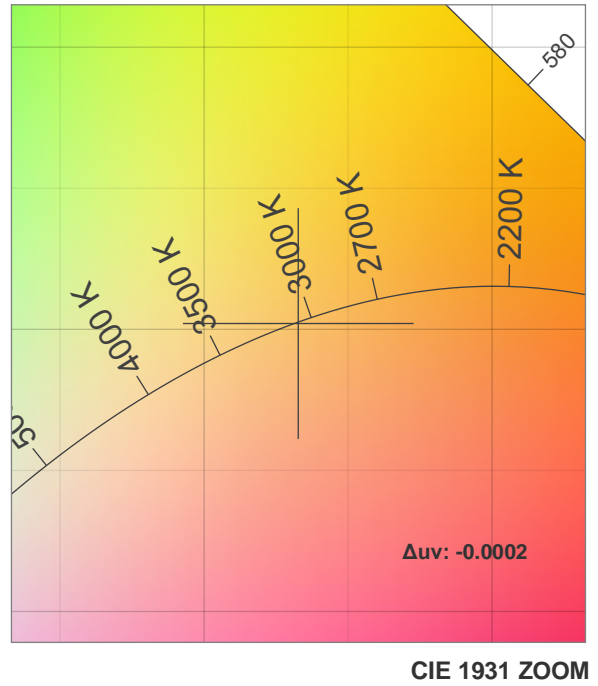
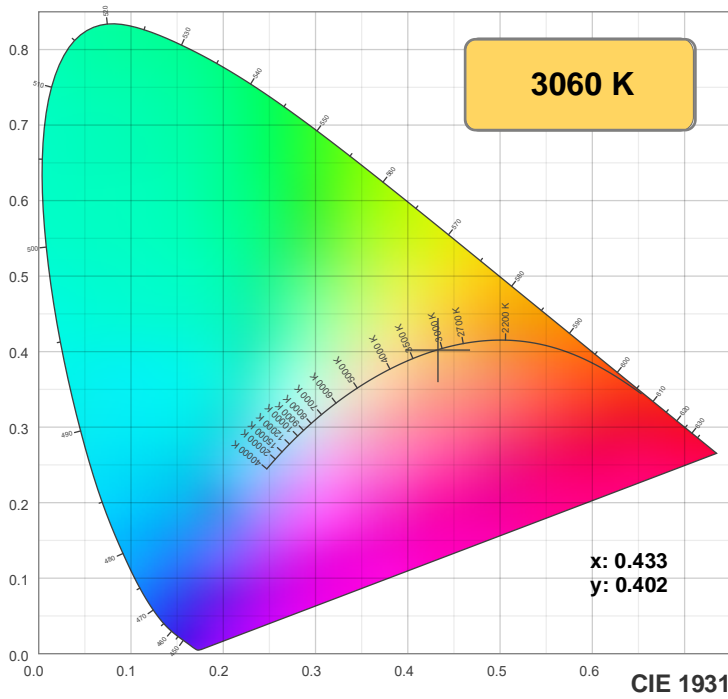
Dominant Wavelength: 583nm



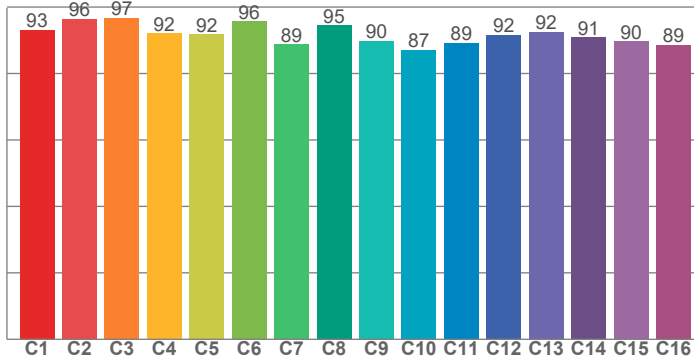
Power



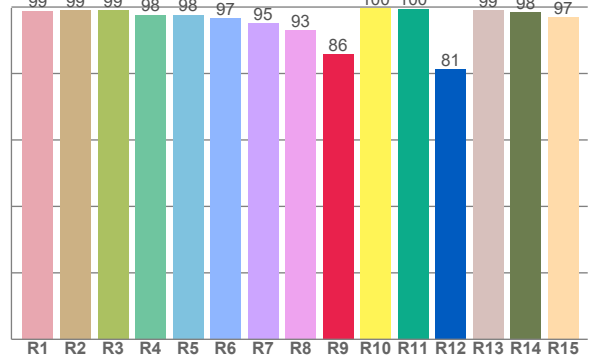
## Color Details



**TM30: 91.9**



**CRI: 97.2 (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
98.9	99.1	99.1	97.7	97.7	96.5	95.2	93.0	85.9	99.6	99.5	81.4	99.1	98.4	96.9

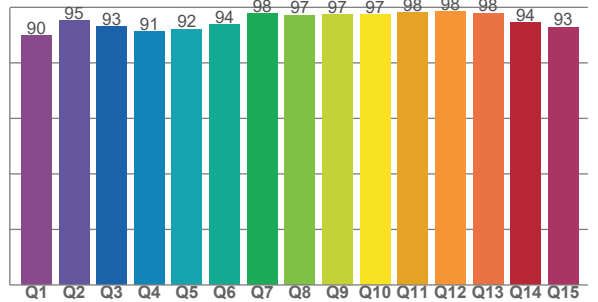
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.1	96.4	96.7	92.0	91.7	95.7	88.7	94.5	89.8	87.1	89.3	91.6	92.5	90.9	89.6	88.6

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89.8	95.2	93.1	91.3	92.2	93.8	97.8	97.1	97.4	97.4	98.2	98.4	97.8	94.4	92.9

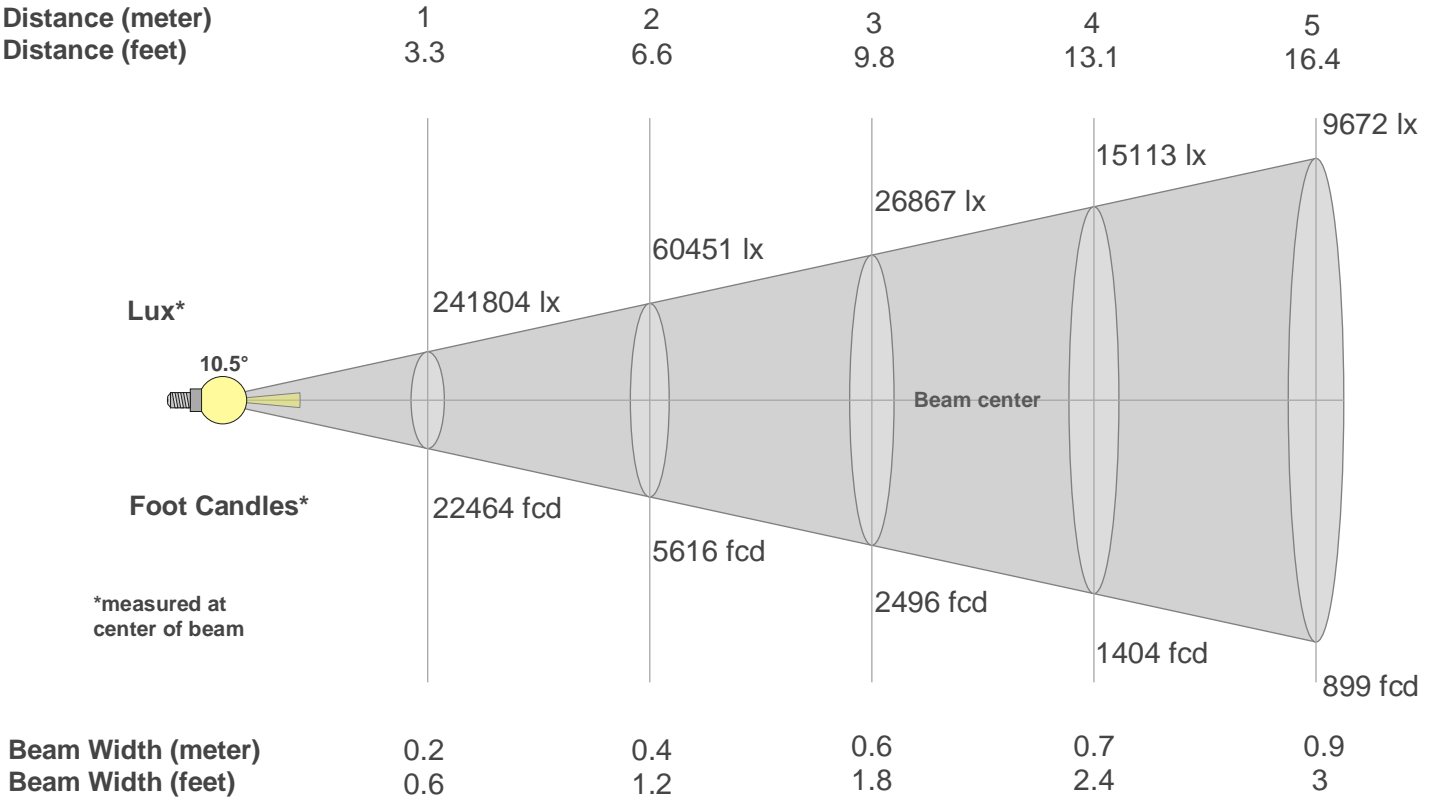
**CQS: 94.1**



## 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
3060 K	97.2	85.9	91.9	98.2	94.1	0.433	0.402	0.249	0.347	-0.0002

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	241804	60451	26867	15113	9672	6717	4935	3778	2985	2418	1998	1679	1431	1234	1075	945	837	746	670	605
fcd	22464.3	5616.1	2496	1404	898.6	624	458.5	351	277.3	224.6	185.7	156	132.9	114.6	99.8	87.8	77.7	69.3	62.2	56.2

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°
242K	240K	233K	217K	184K	136K	87K	55K	29K	15K	6K	3K	2K	1K	1K	1K	1K	0K	0K	0K
100%	99%	96%	90%	76%	56%	36%	23%	12%	6%	3%	1%	1%	0%	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°
242K	240K	233K	217K	184K	136K	87K	55K	29K	15K	6K	3K	2K	1K	1K	1K	1K	0K	0K	0K
100%	99%	96%	90%	76%	56%	36%	23%	12%	6%	3%	1%	1%	0%	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°
242K	239K	231K	213K	180K	134K	87K	48K	23K	11K	6K	3K	2K	1K	1K	1K	0K	0K	0K	0K
100%	99%	96%	88%	74%	55%	36%	20%	10%	5%	2%	1%	1%	0%	0%	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°
242K	239K	231K	213K	180K	134K	87K	48K	23K	11K	6K	3K	2K	1K	1K	1K	0K	0K	0K	0K
100%	99%	96%	88%	74%	55%	36%	20%	10%	5%	2%	1%	1%	0%	0%	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
10.5°	16.2°	20°	100.0%	100.0%