

# Encore Z7IP



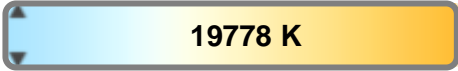
Light Efficiency:



Light Quality:



Color Temperature:



Output: 1786 lm

Peak: 6425 cd

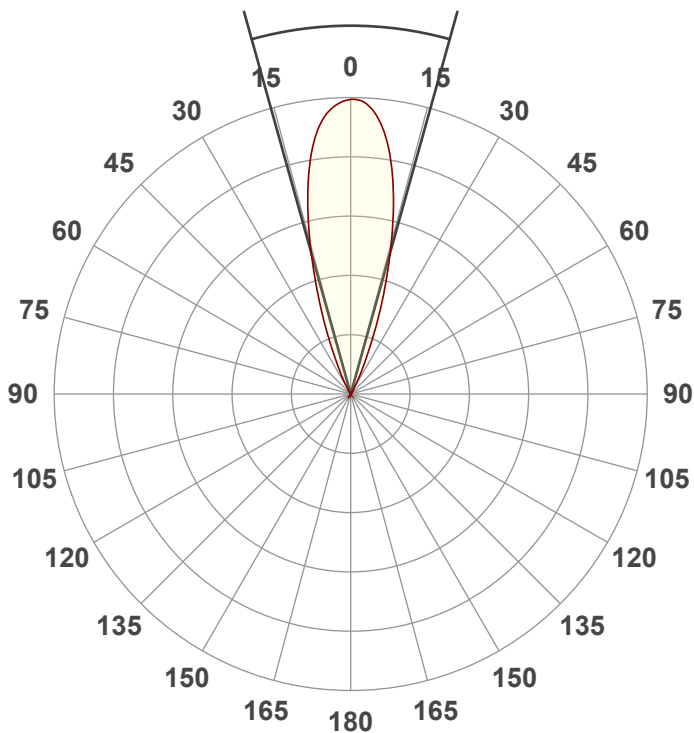
Power: 123.4 W

PF: 0.98



Beam Angle

31.2°



Test:

CRI Zoom 50%

Date:

2/20/2023

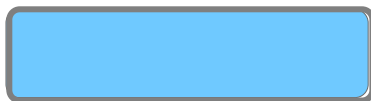
Note:

R @ 140

G @ 244

B @ 199

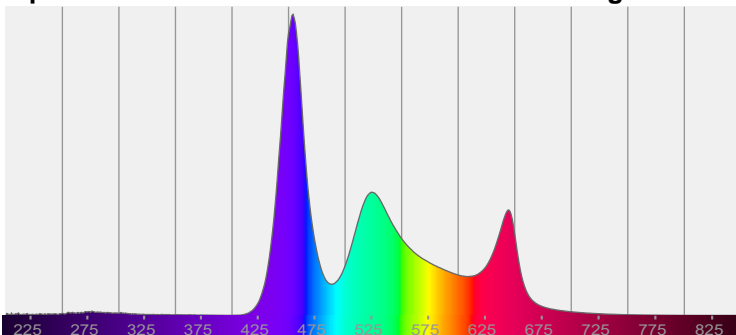
L @ 255



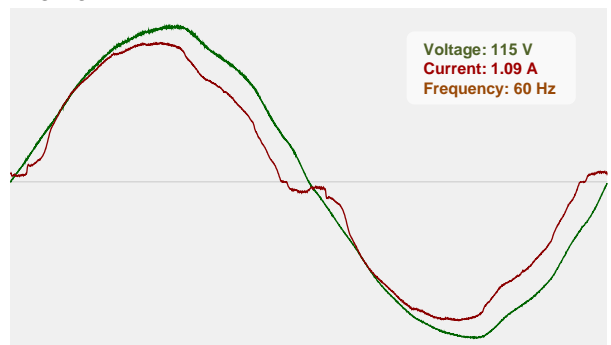
CIE 1931  
x: 0.253  
y: 0.262

Spectra

Dominant Wavelength: 476nm

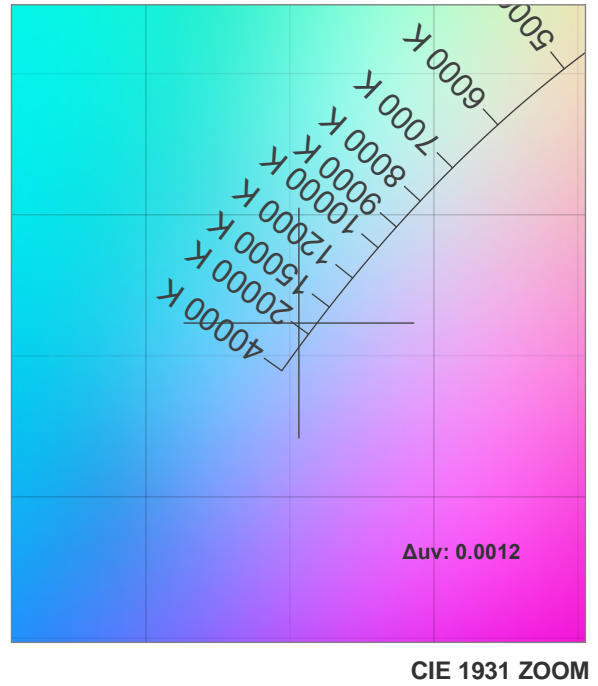
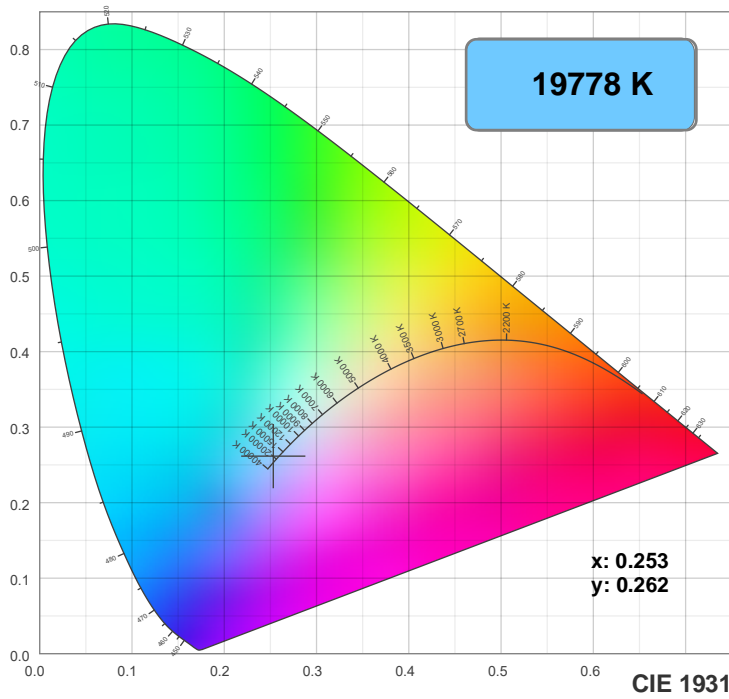


Power

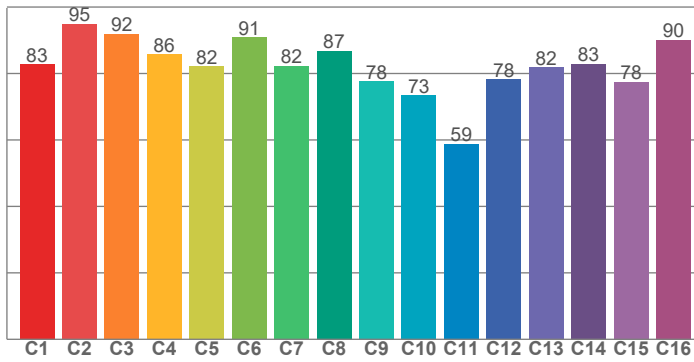


Voltage: 115 V  
Current: 1.09 A  
Frequency: 60 Hz

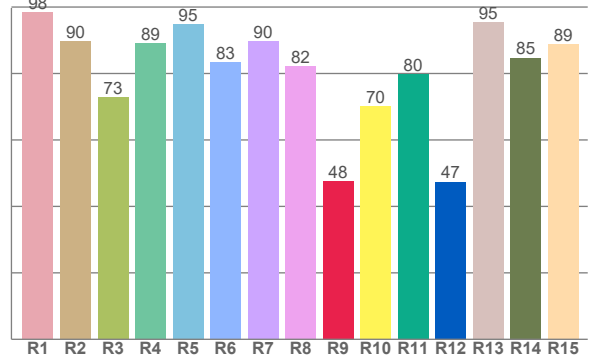
## Color Details



### TM30: 83.0



### CRI: 87.5 (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
98.4	89.7	72.8	89.0	94.9	83.3	89.6	82.2	47.7	70.1	79.7	47.4	95.4	84.7	88.7

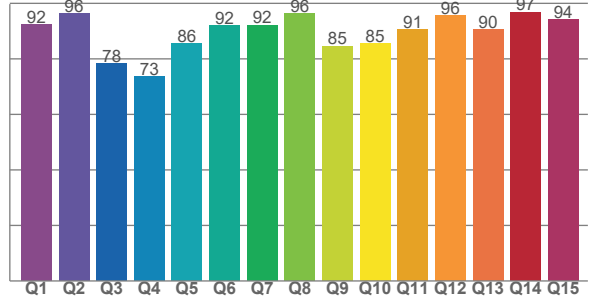
#### TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.8	95.0	91.9	85.7	82.2	90.9	82.3	86.8	77.7	73.4	58.8	78.2	81.8	82.8	77.5	90.1

#### CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.3	96.3	78.3	73.5	85.5	91.9	92.2	96.4	84.6	85.5	90.6	95.6	90.5	96.9	94.2

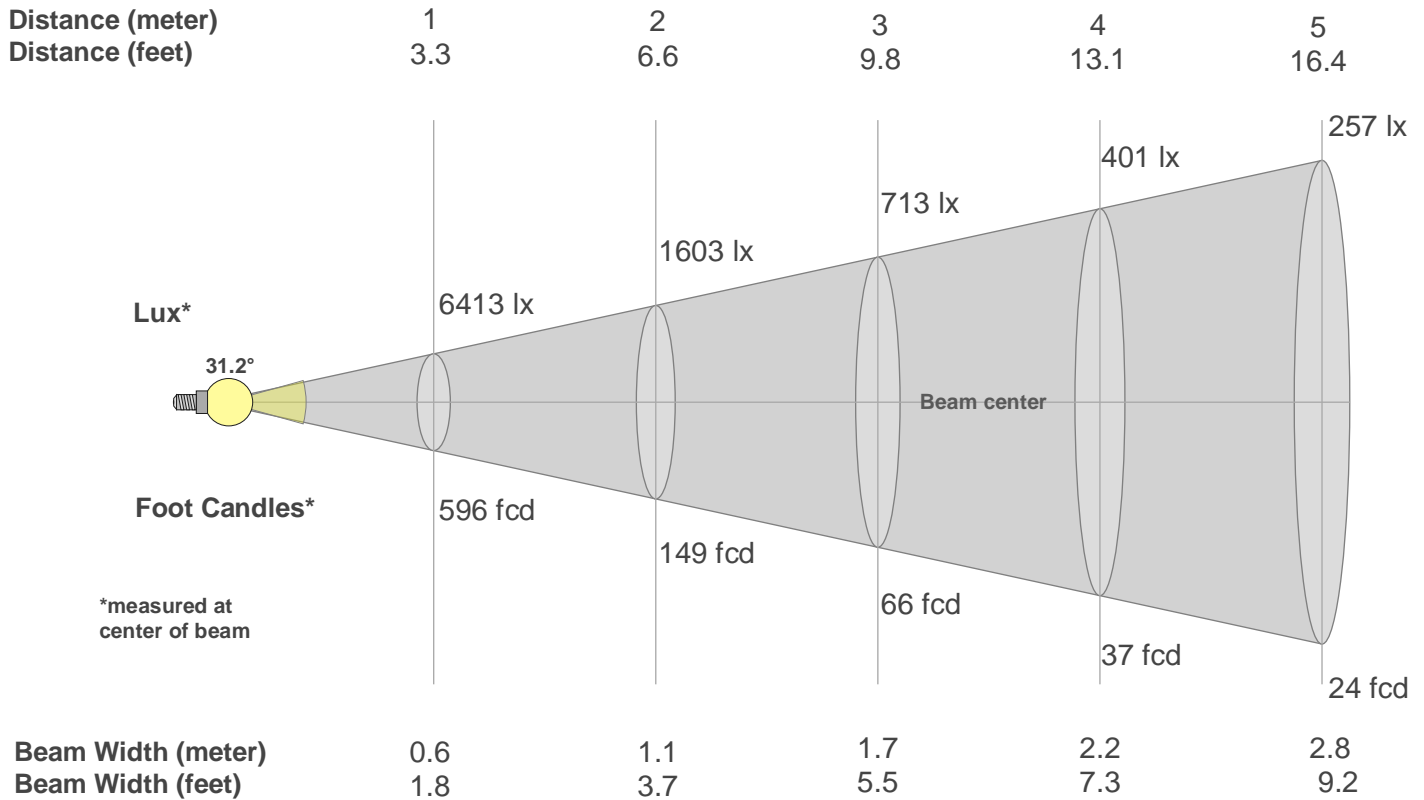
### CQS: 87.7



## 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	$\Delta uv$
19778 K	87.5	47.7	83.0	102.3	87.7	0.253	0.262	0.180	0.279	0.0012

## 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	6413	1603	713	401	257	178	131	100	79	64	53	45	38	33	29	25	22	20	18	16
fcd	595.8	149	66.2	37.2	23.8	16.6	12.2	9.3	7.4	6	4.9	4.1	3.5	3	2.6	2.3	2.1	1.8	1.7	1.5

### 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°
6413	6352	6212	5976	5608	5105	4488	3793	3063	2360	1731	1184	757	484	281	113	26	7	4	2
100%	99%	97%	93%	87%	80%	70%	59%	48%	37%	27%	18%	12%	8%	4%	2%	0%	0%	0%	0%

### 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°
6413	6352	6212	5976	5608	5105	4488	3793	3063	2360	1731	1184	757	484	281	113	26	7	4	2
100%	99%	97%	93%	87%	80%	70%	59%	48%	37%	27%	18%	12%	8%	4%	2%	0%	0%	0%	0%

### 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°
6413	6386	6243	5978	5590	5081	4470	3781	3066	2382	1744	1176	761	487	267	97	23	7	4	2
100%	100%	97%	93%	87%	79%	70%	59%	48%	37%	27%	18%	12%	8%	4%	2%	0%	0%	0%	0%

### 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°
6413	6386	6243	5978	5590	5081	4470	3781	3066	2382	1744	1176	761	487	267	97	23	7	4	2
100%	100%	97%	93%	87%	79%	70%	59%	48%	37%	27%	18%	12%	8%	4%	2%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
31.2°	49.4°	58.4°	99.9%	99.9%