

Encore LP5 IP



Light Efficiency:

30 Lumen/Watt

Light Quality:

CRI: 86.8

Color Temperature:

3436 K

Output: 832 lm

Peak: 3226 cd

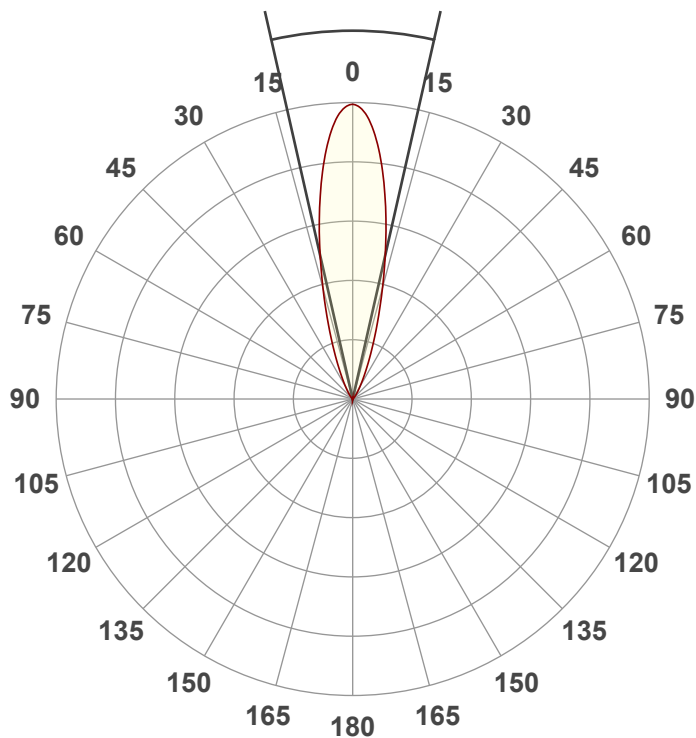
Power: 27.8 W

PF: 0.59



Beam Angle

25.5°



Test:

CRI

Date:

1/12/2022

Note:

R @ 135

B @ 25

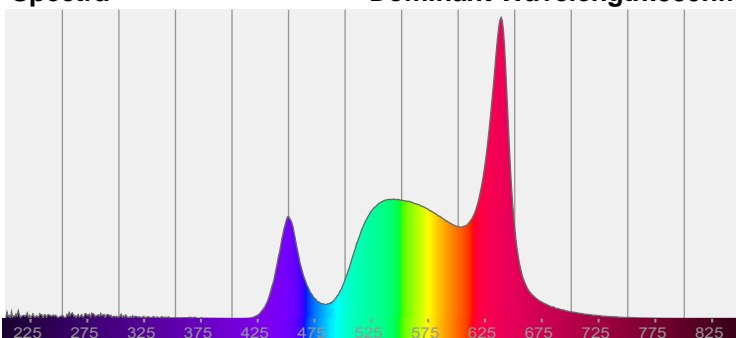
L @ 255



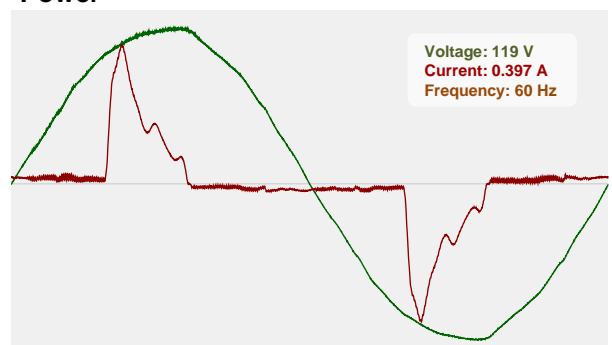
CIE 1931
x: 0.416
y: 0.410

Spectra

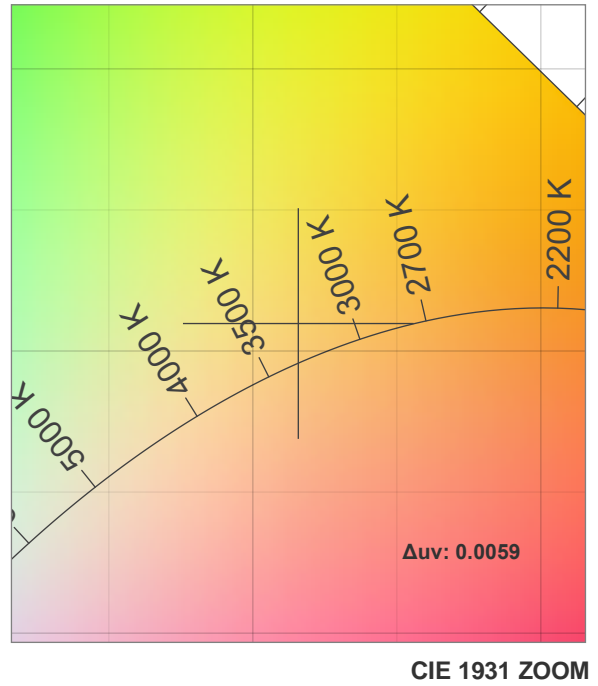
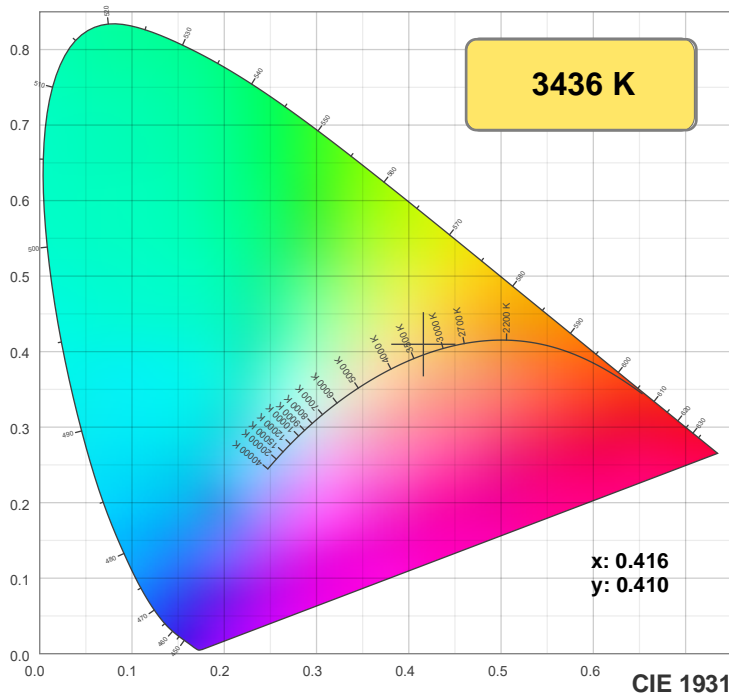
Dominant Wavelength: 580nm



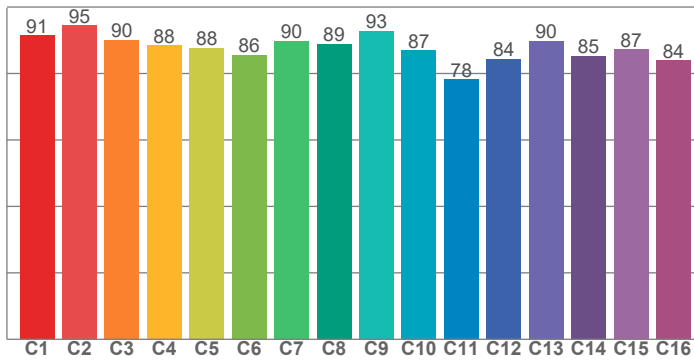
Power



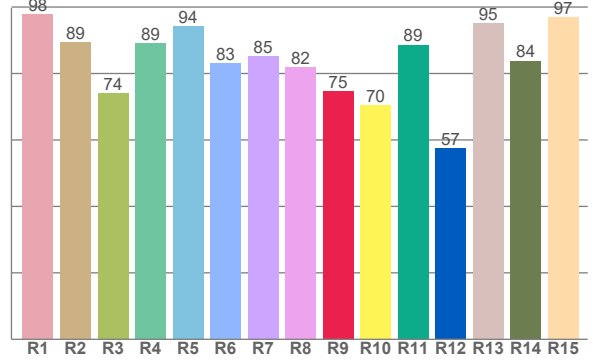
Color Details



TM30: 88.0



CRI: 86.8 (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
97.8	89.3	74.2	89.0	94.2	83.1	85.2	81.9	74.7	70.4	88.6	57.4	95.0	83.8	96.9

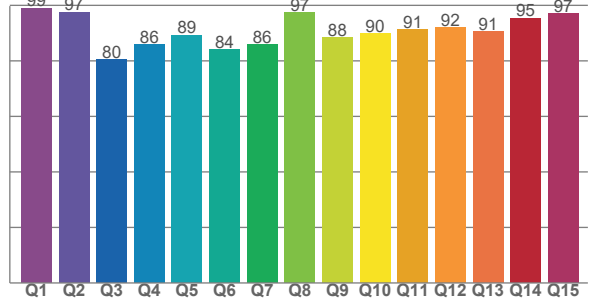
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.5	94.5	90.2	88.4	87.7	85.6	89.8	88.9	92.8	87.0	78.3	84.3	89.8	85.3	87.3	83.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99.0	97.5	80.5	85.8	89.2	84.1	85.8	97.4	88.3	89.8	91.2	92.0	90.6	95.4	96.9

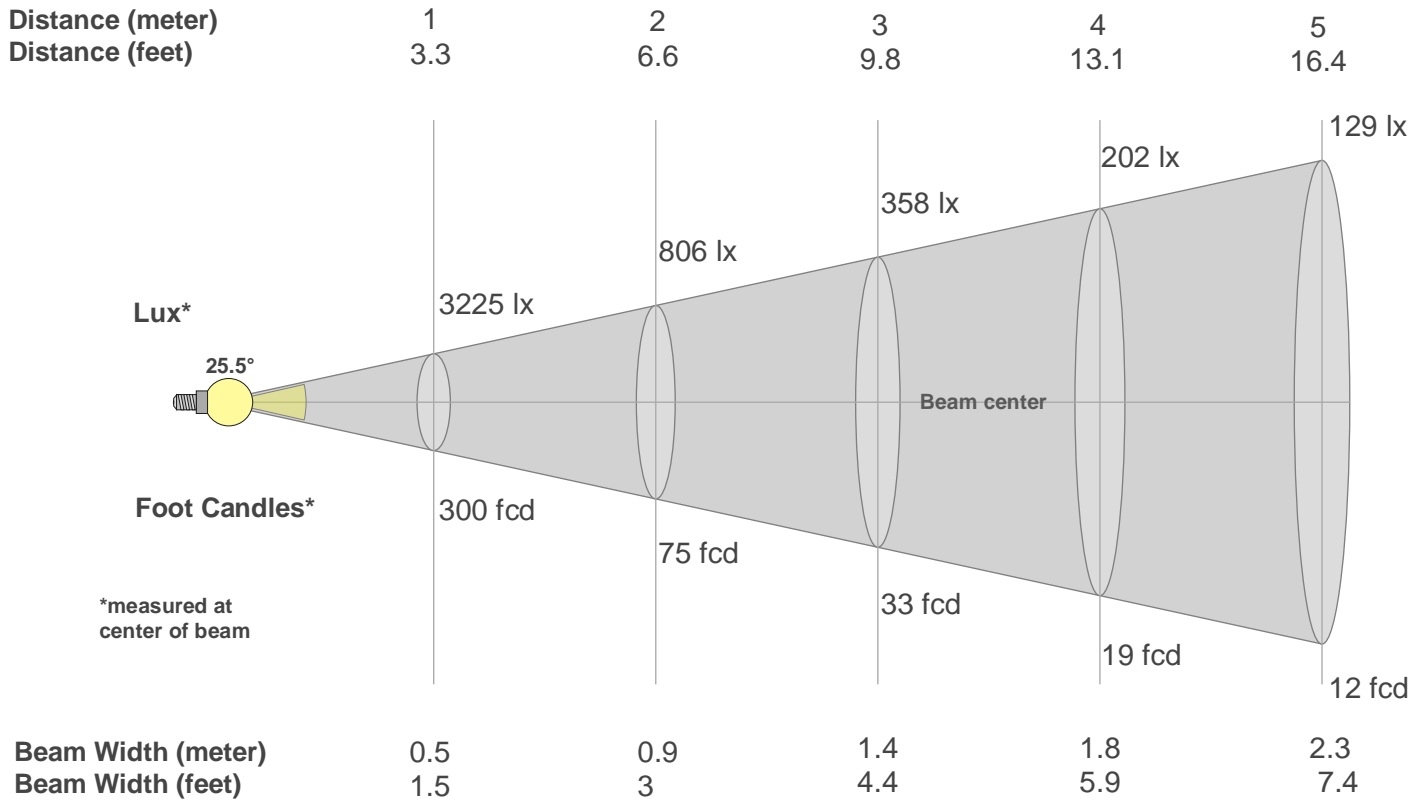
CQS: 89.4



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
3436 K	86.8	74.7	88.0	106.1	89.4	0.416	0.410	0.235	0.347	0.0059

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	3225	806	358	202	129	90	66	50	40	32	27	22	19	16	14	13	11	10	9	8
fcd	299.6	74.9	33.3	18.7	12	8.3	6.1	4.7	3.7	3	2.5	2.1	1.8	1.5	1.3	1.2	1	0.9	0.8	0.7

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°
3225	3165	3003	2752	2435	2091	1743	1410	1117	863	661	499	371	279	210	155	118	91	67	51
100%	98%	93%	85%	75%	65%	54%	44%	35%	27%	20%	15%	11%	9%	6%	5%	4%	3%	2%	2%

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°
3225	3165	3003	2752	2435	2091	1743	1410	1117	863	661	499	371	279	210	155	118	91	67	51
100%	98%	93%	85%	75%	65%	54%	44%	35%	27%	20%	15%	11%	9%	6%	5%	4%	3%	2%	2%

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°
3225	3158	2991	2741	2425	2084	1738	1416	1121	875	674	514	386	293	220	166	128	97	74	56
100%	98%	93%	85%	75%	65%	54%	44%	35%	27%	21%	16%	12%	9%	7%	5%	4%	3%	2%	2%

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°
3225	3158	2991	2741	2425	2084	1738	1416	1121	875	674	514	386	293	220	166	128	97	74	56
100%	98%	93%	85%	75%	65%	54%	44%	35%	27%	21%	16%	12%	9%	7%	5%	4%	3%	2%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25.5°	50.3°	70.2°	99.9%	98.5%