

LP 12 Hex

Light Efficiency:

51 Lumen/Watt

Light Quality:

CRI: 91.7

Color Temperature:

8844 K

Output: 1653 lm

Peak: 8712 cd

Power: 32.2 W

PF: 0.53



Product Name:

LP 12 Hex

Test:

CRI

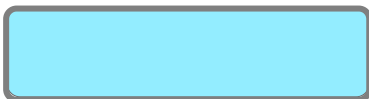
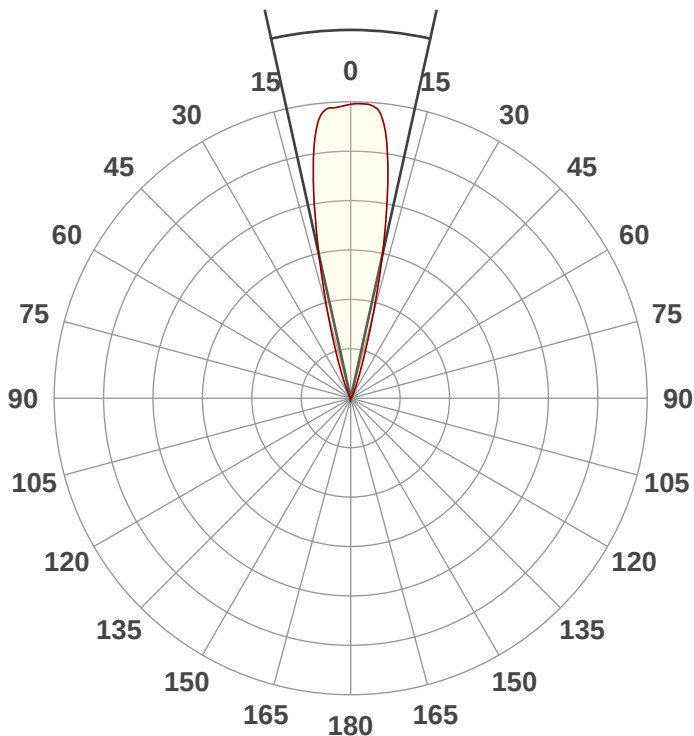
Date:

9/12/2019

Note:

Beam Angle

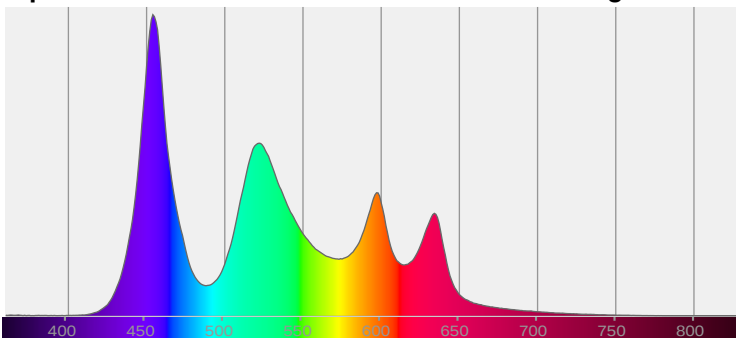
25°



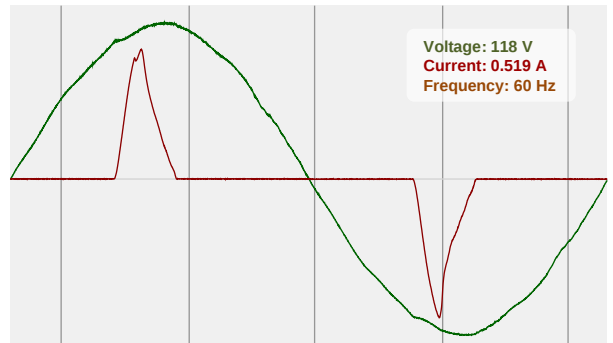
CIE 1931
x: 0.282
y: 0.311

Spectra

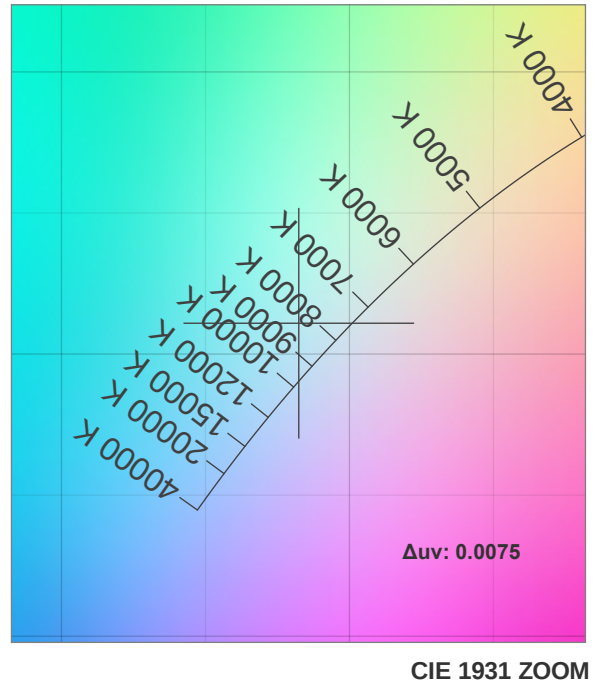
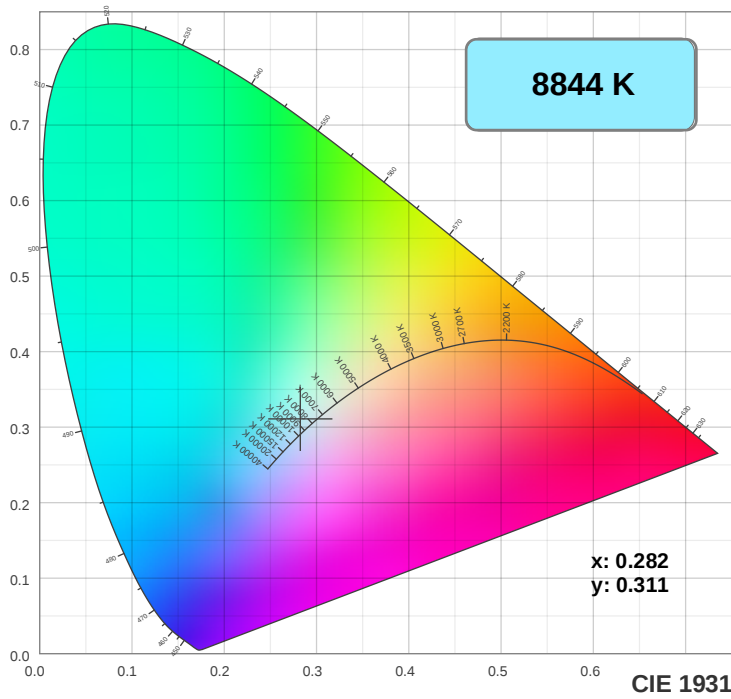
Dominant Wavelength: 484nm



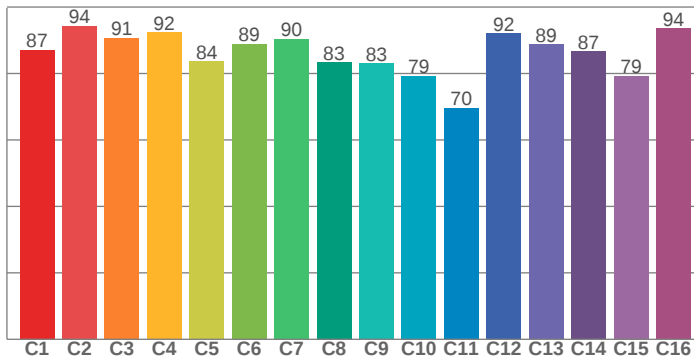
Power



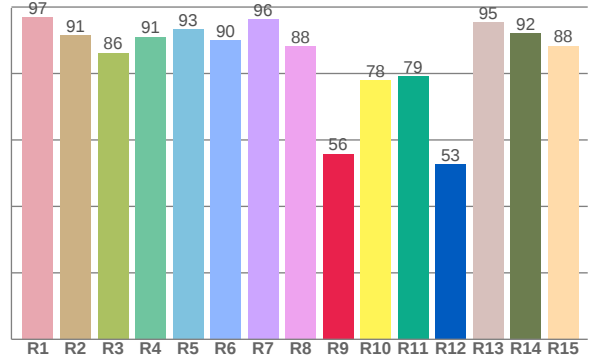
Color Details



TM30: 86.3



CRI: 91.7 (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
97.0	91.4	86.2	91.0	93.2	90.0	96.4	88.3	55.8	78.0	79.0	52.6	95.5	92.0	88.3

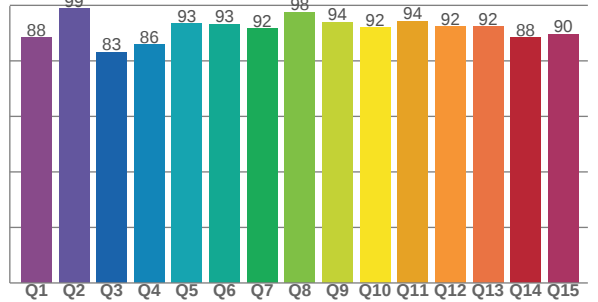
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87.1	94.3	90.7	92.4	83.6	88.9	90.3	83.4	83.0	79.3	69.6	92.1	88.7	86.6	79.2	93.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.3	98.9	83.1	85.9	93.3	93.2	91.6	97.6	93.9	92.0	94.2	92.3	92.2	88.4	89.6

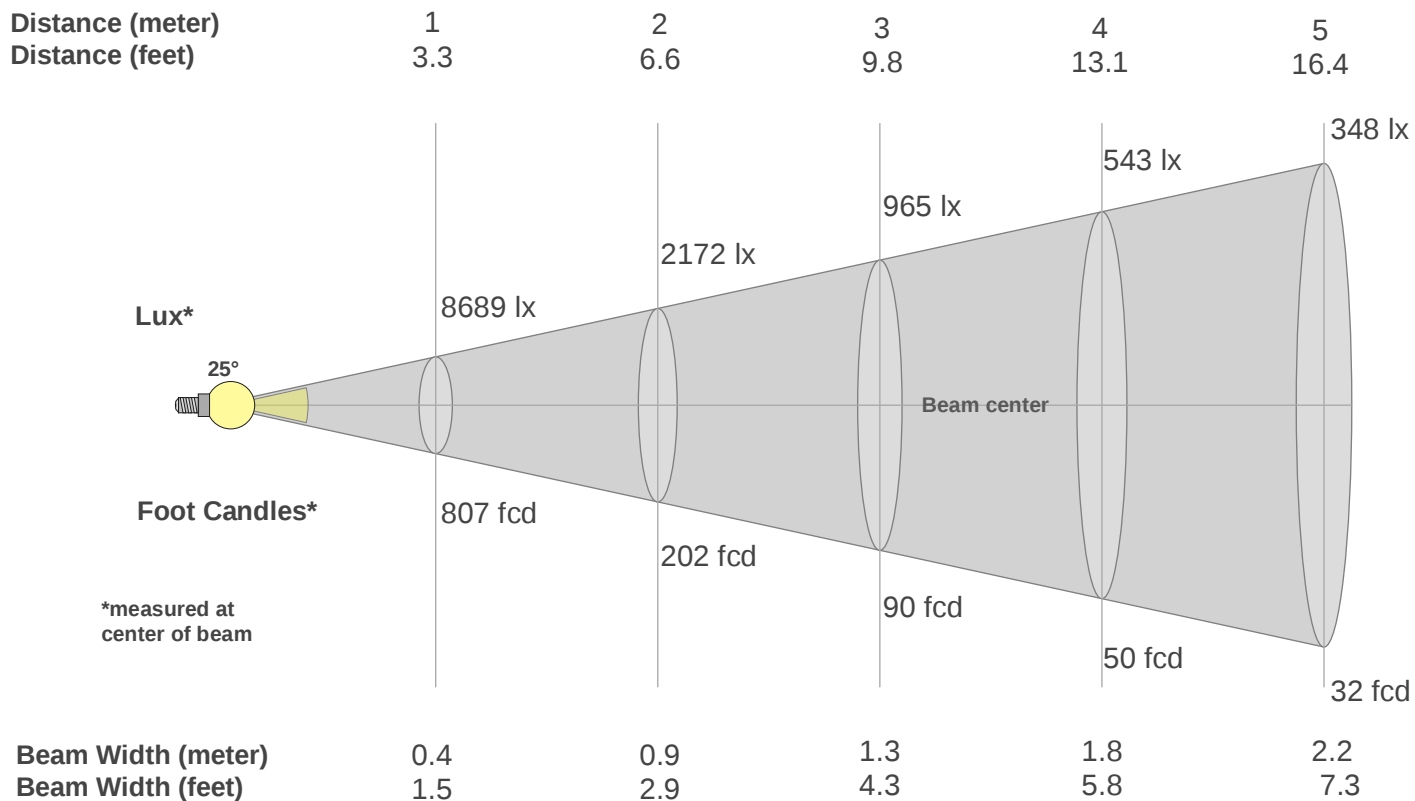
CQS: 90.7



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	Δuv
8844 K	91.7	55.8	86.3	99.2	90.7	0.282	0.311	0.183	0.303	0.0075

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	8689	2172	965	543	348	241	177	136	107	87	72	60	51	44	39	34	30	27	24	22
fcd	807.2	201.8	89.7	50.4	32.3	22.4	16.5	12.6	10	8.1	6.7	5.6	4.8	4.1	3.6	3.2	2.8	2.5	2.2	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°
8689	8659	8632	8606	8590	8550	8373	8092	7632	7026	6318	5523	4707	3972	3269	2669	2139	1699	1346	1038
100%	100%	99%	99%	99%	98%	96%	93%	88%	81%	73%	64%	54%	46%	38%	31%	25%	20%	15%	12%

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°
8689	8659	8632	8606	8590	8550	8373	8092	7632	7026	6318	5523	4707	3972	3269	2669	2139	1699	1346	1038
100%	100%	99%	99%	99%	98%	96%	93%	88%	81%	73%	64%	54%	46%	38%	31%	25%	20%	15%	12%

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°
8689	8706	8711	8700	8683	8580	8436	8074	7617	6990	6279	5504	4727	3950	3238	2566	2035	1583	1233	978
100%	100%	100%	100%	100%	99%	97%	93%	88%	80%	72%	63%	54%	45%	37%	30%	23%	18%	14%	11%

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°
8689	8706	8711	8700	8683	8580	8436	8074	7617	6990	6279	5504	4727	3950	3238	2566	2035	1583	1233	978
100%	100%	100%	100%	100%	99%	97%	93%	88%	80%	72%	63%	54%	45%	37%	30%	23%	18%	14%	11%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25°	39.3°	51.6°	100.0%	99.9%