

Element Hex IP



Light Efficiency:

273 Lumen/Watt

Light Quality:

CRI: 35.3

Color Temperature:

1770 K

Output: 348 lm

Peak: 3455 cd

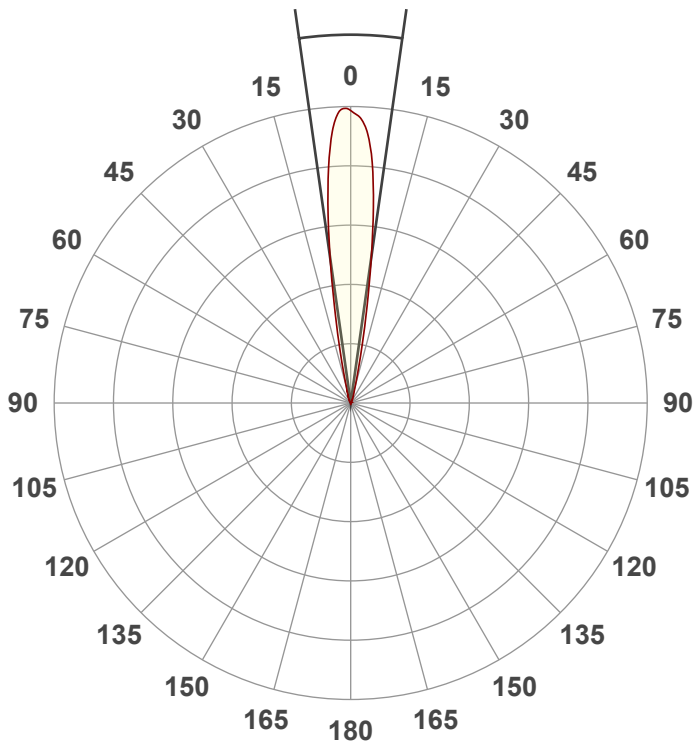
Power: 1.3 W

PF: 0.32



Beam Angle

16.1°



Test:

Amber

Date:

6/7/2022

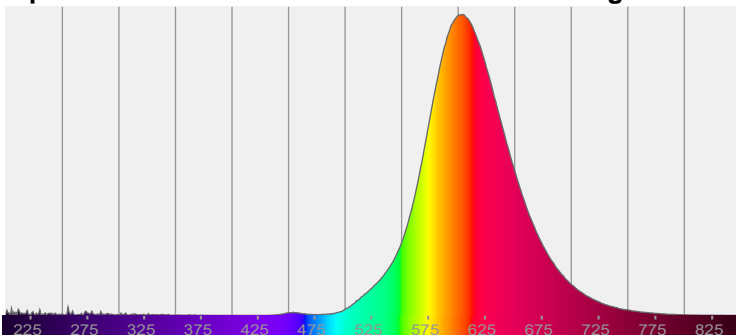
Note:



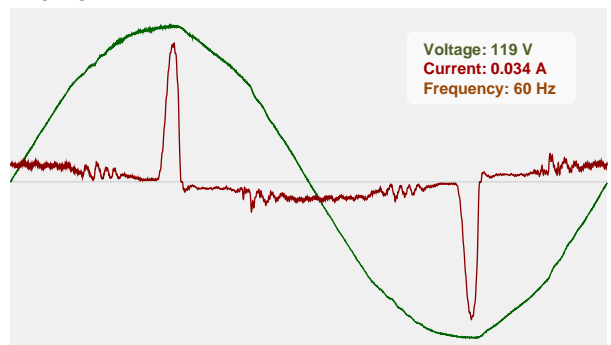
CIE 1931
x: 0.571
y: 0.428

Spectra

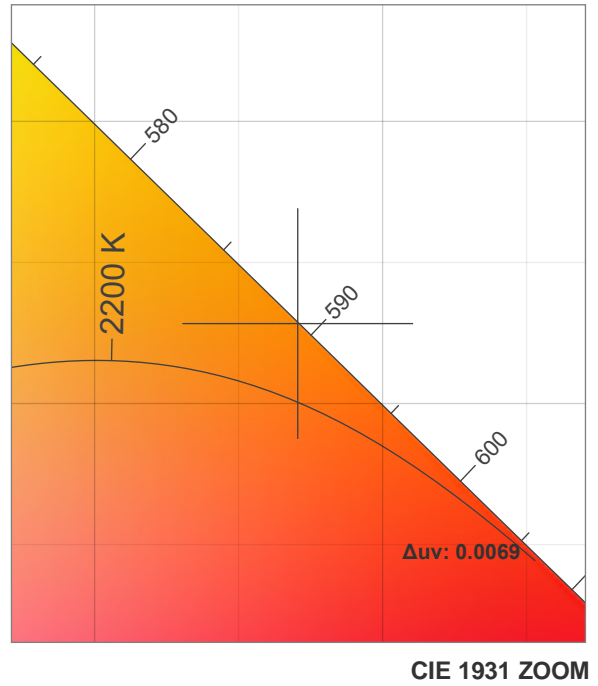
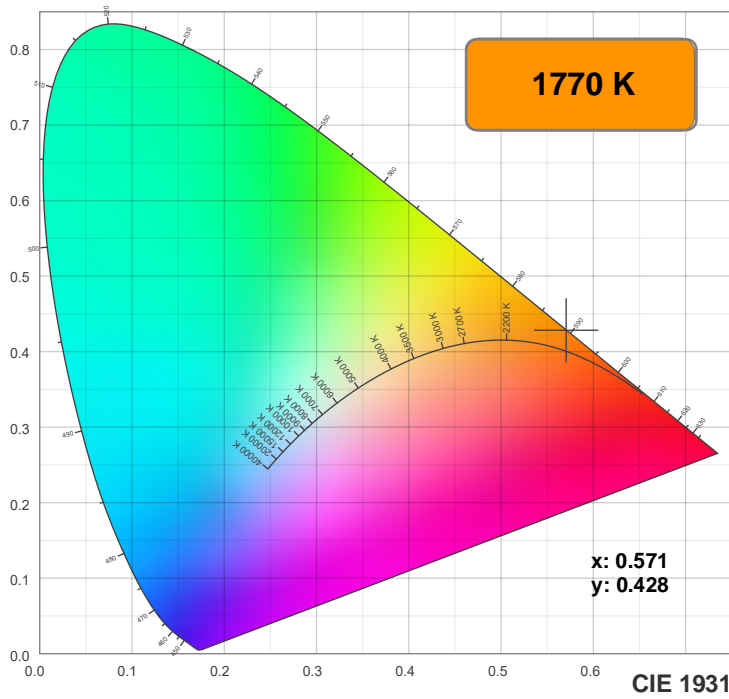
Dominant Wavelength: 589nm



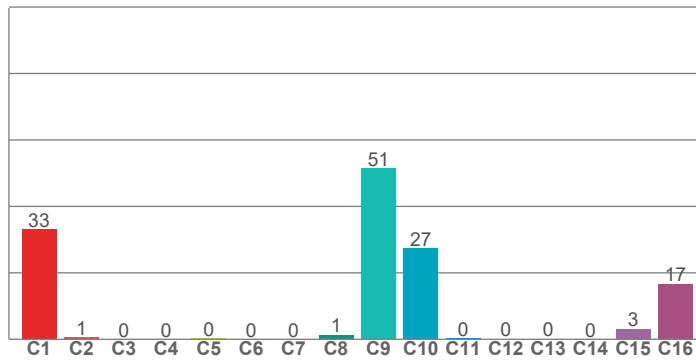
Power



Color Details



TM30: 0.6



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
44.2	58.6	49.2	10.4	37.1	46.1	30.6	5.9	-81.6	20.4	-7.9	23.1	42.4	72.0	27.3

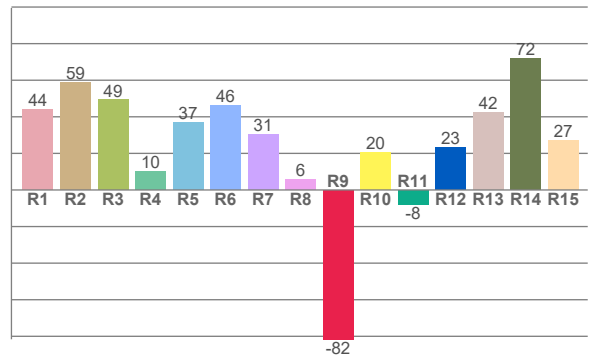
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
33.1	0.6	0.0	0.0	0.2	0.0	0.0	1.3	51.4	27.3	0.2	0.0	0.1	0.0	3.1	16.7

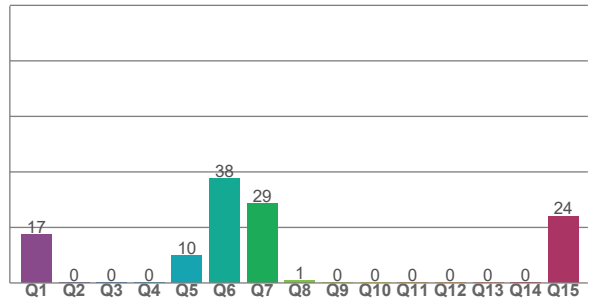
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
17.3	0.0	0.0	0.2	9.8	37.5	28.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	24.0

CRI: 35.3 (R1-R8)



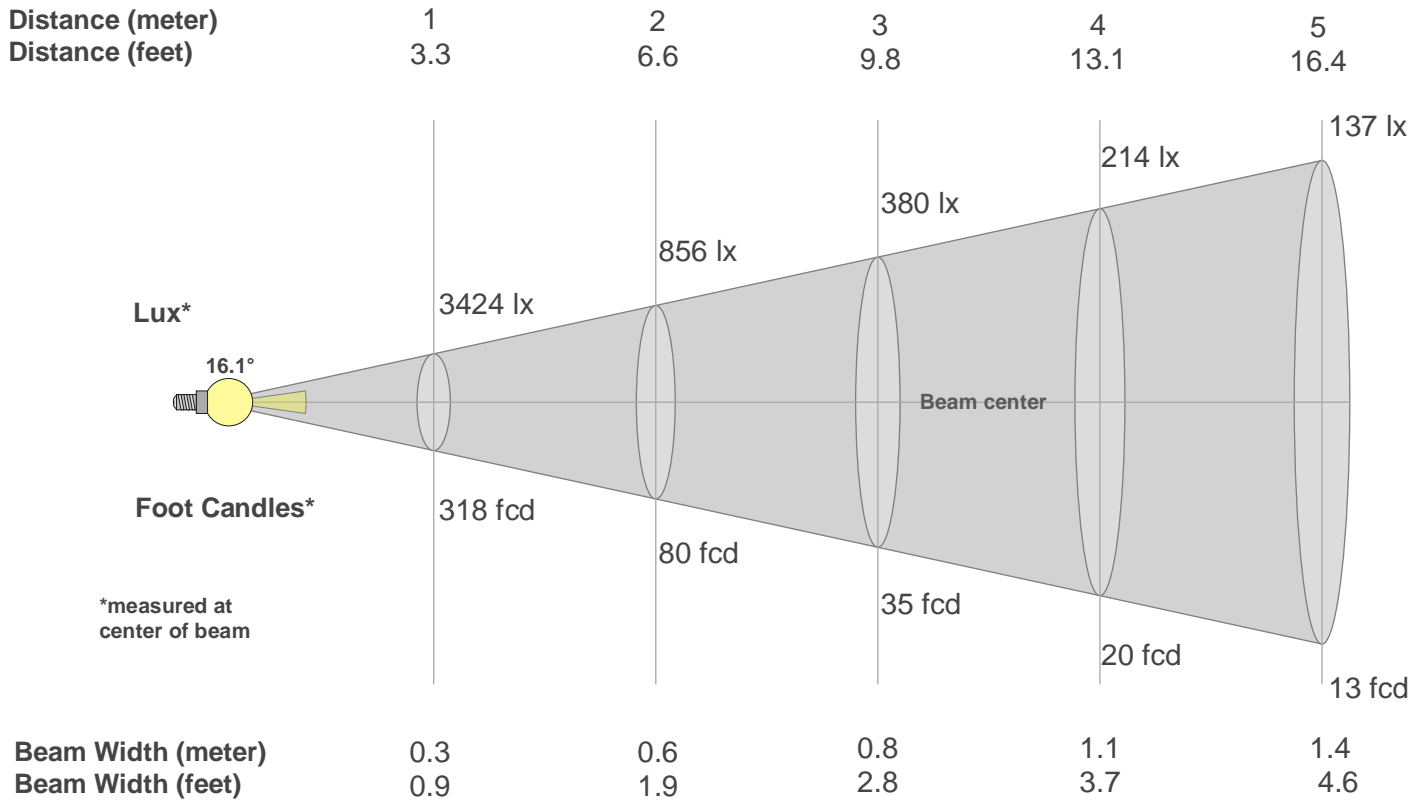
CQS: 0.0



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
1770 K	35.3	-81.6	0.6	37.6	0.0	0.571	0.428	0.326	0.367	0.0069

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	3424	856	380	214	137	95	70	53	42	34	28	24	20	17	15	13	12	11	9	9
fcd	318.1	79.5	35.3	19.9	12.7	8.8	6.5	5	3.9	3.2	2.6	2.2	1.9	1.6	1.4	1.2	1.1	1	0.9	0.8

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°
3424	3451	3422	3319	3155	2875	2537	2160	1750	1364	1008	744	536	372	272	206	161	135	115	99
100%	101%	100%	97%	92%	84%	74%	63%	51%	40%	29%	22%	16%	11%	8%	6%	5%	4%	3%	3%

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°
3424	3451	3422	3319	3155	2875	2537	2160	1750	1364	1008	744	536	372	272	206	161	135	115	99
100%	101%	100%	97%	92%	84%	74%	63%	51%	40%	29%	22%	16%	11%	8%	6%	5%	4%	3%	3%

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°
3424	3384	3338	3232	3077	2856	2524	2155	1749	1375	1036	746	544	386	281	217	169	139	122	107
100%	99%	98%	94%	90%	83%	74%	63%	51%	40%	30%	22%	16%	11%	8%	6%	5%	4%	4%	3%

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°
3424	3384	3338	3232	3077	2856	2524	2155	1749	1375	1036	746	544	386	281	217	169	139	122	107
100%	99%	98%	94%	90%	83%	74%	63%	51%	40%	30%	22%	16%	11%	8%	6%	5%	4%	4%	3%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
16.1°	26.7°	40.9°	99.7%	96.8%