

15 Hex Bar IP



Light Efficiency:

19 Lumen/Watt

Light Quality:

CRI: -29.0

Color Temperature:

1590 K

Output: 421 lm

Peak: 1907 cd

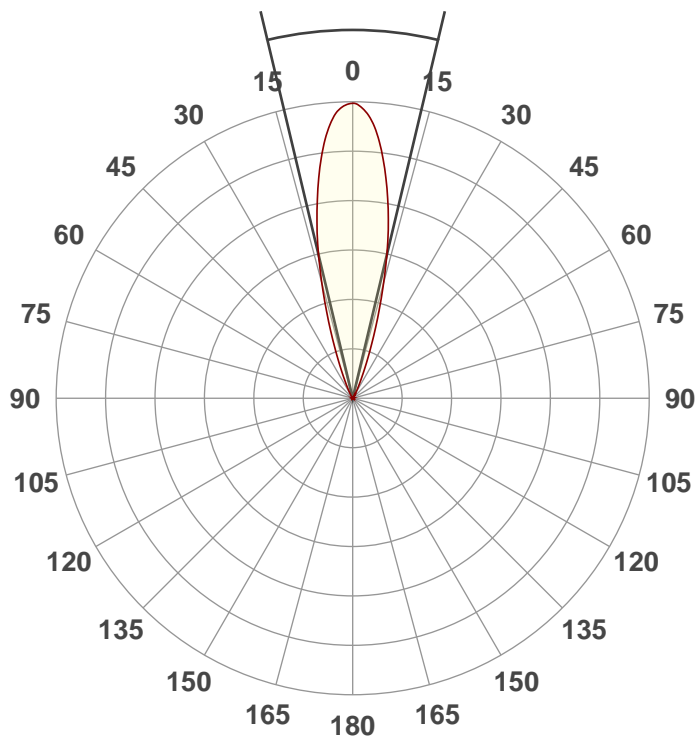
Power: 21.9 W

PF: 0.93



Beam Angle

26.8°



Test:

Amber

Date:

8/21/2019

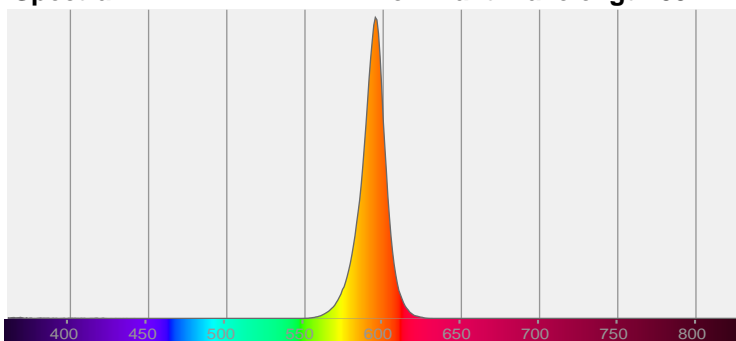
Note:



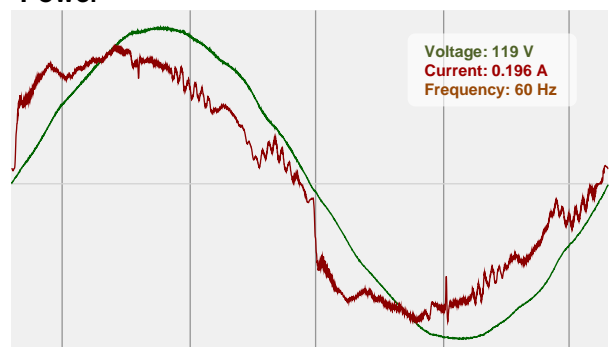
CIE 1931
x: 0.587
y: 0.412

Spectra

Dominant Wavelength: 592nm

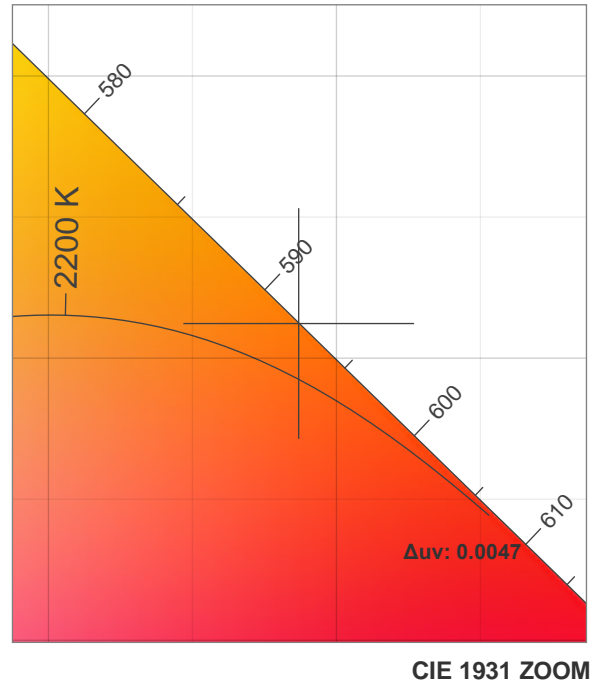
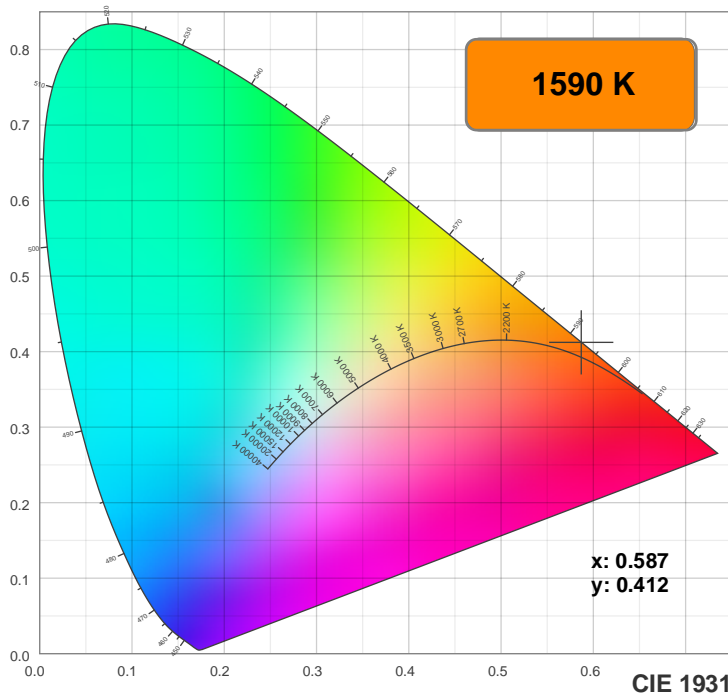


Power

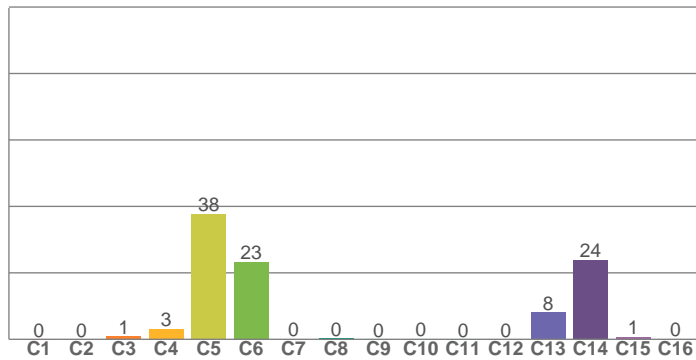


Voltage: 119 V
Current: 0.196 A
Frequency: 60 Hz

Color Details



TM30: 0.3



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	49.1	11.8	-78.7	-51.0	36.6	-11.6	-143.8	-416.3	25.7	-108.3	-18.2	-23.4	41.7	-77.0

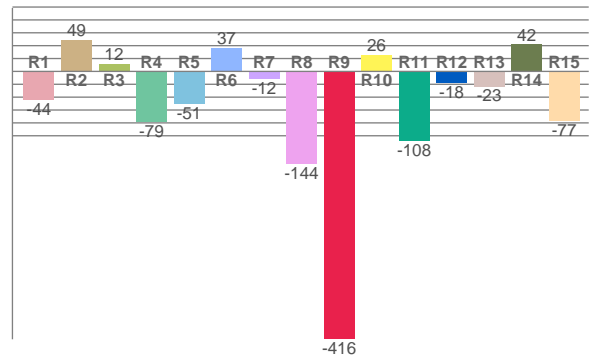
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.9	3.1	37.7	23.3	0.1	0.3	0.0	0.1	0.0	0.0	8.1	23.8	0.7	0.1

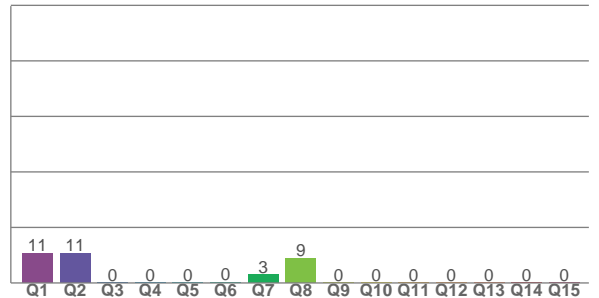
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
10.7	10.8	0.0	0.0	0.1	0.3	3.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -29.0 (R1-R8)



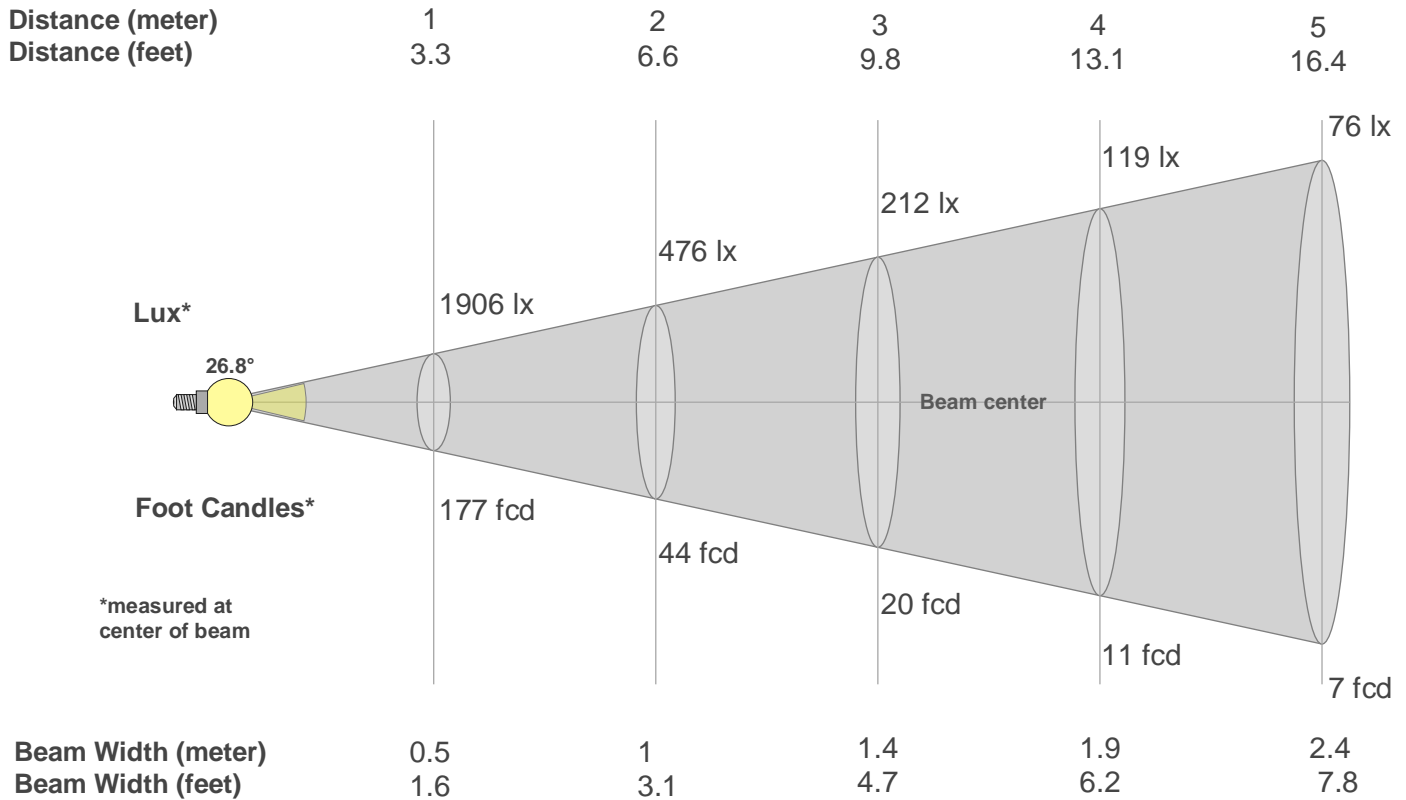
CQS: 0.0



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
1590 K	-29.0	-416.3	0.3	1.6	0.0	0.587	0.412	0.347	0.365	0.0047

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	1906	476	212	119	76	53	39	30	24	19	16	13	11	10	8	7	7	6	5	5
fcd	177.1	44.3	19.7	11.1	7.1	4.9	3.6	2.8	2.2	1.8	1.5	1.2	1	0.9	0.8	0.7	0.6	0.5	0.5	0.4

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°
1906	1887	1816	1690	1515	1314	1106	883	664	468	312	197	123	76	48	30	18	10	7	5
100%	99%	95%	89%	79%	69%	58%	46%	35%	25%	16%	10%	6%	4%	3%	2%	1%	1%	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°
1906	1887	1816	1690	1515	1314	1106	883	664	468	312	197	123	76	48	30	18	10	7	5
100%	99%	95%	89%	79%	69%	58%	46%	35%	25%	16%	10%	6%	4%	3%	2%	1%	1%	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°
1906	1875	1793	1663	1493	1305	1104	885	668	478	323	208	133	85	54	33	19	11	8	5
100%	98%	94%	87%	78%	68%	58%	46%	35%	25%	17%	11%	7%	4%	3%	2%	1%	1%	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°
1906	1875	1793	1663	1493	1305	1104	885	668	478	323	208	133	85	54	33	19	11	8	5
100%	98%	94%	87%	78%	68%	58%	46%	35%	25%	17%	11%	7%	4%	3%	2%	1%	1%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
26.8°	44.5°	56.6°	100.0%	100.0%