

15 Hex Bar IP



Light Efficiency:

18 Lumen/Watt

Output: 386 lm

Light Quality:

CRI: -28.9

Peak: 854 cd

Color Temperature:

1591 K

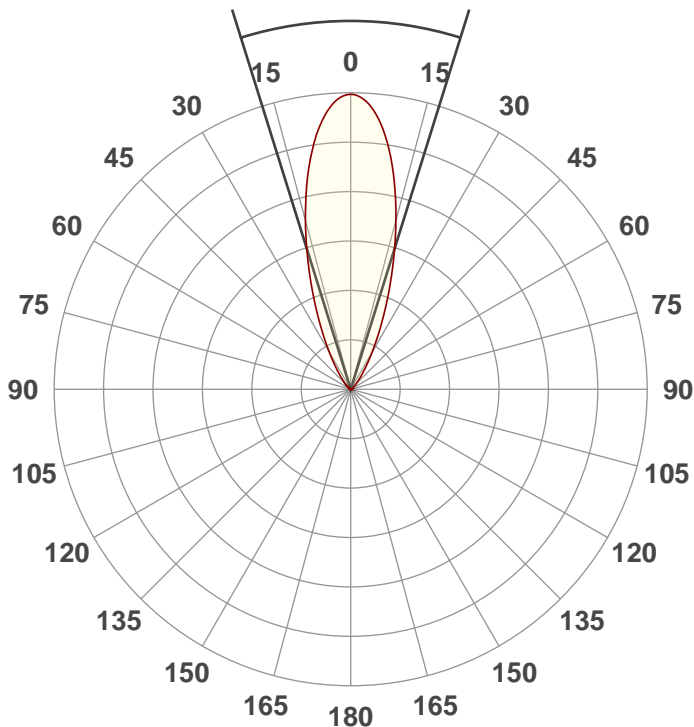
Power: 21.9 W

PF: 0.93



Beam Angle

34.7°



Test:
w/ Diffuser Amber

Date:
8/22/2019

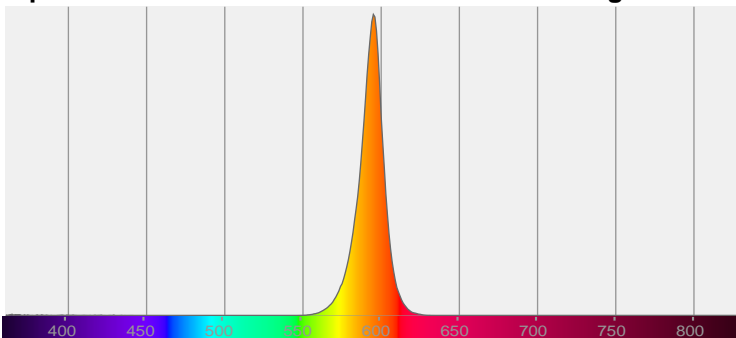
Note:



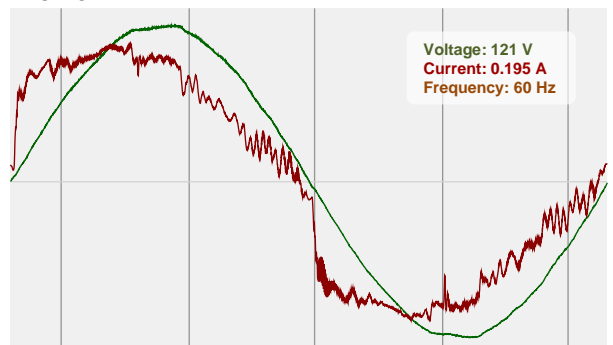
CIE 1931
x: 0.587
y: 0.412

Spectra

Dominant Wavelength: 592nm

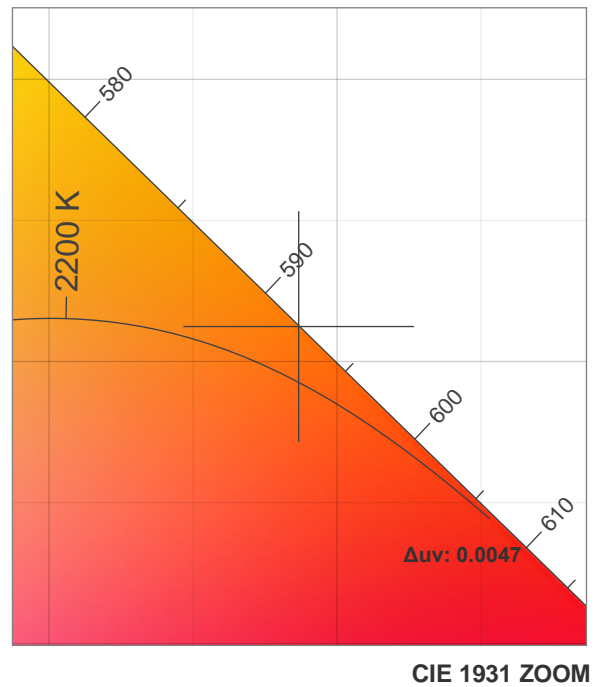
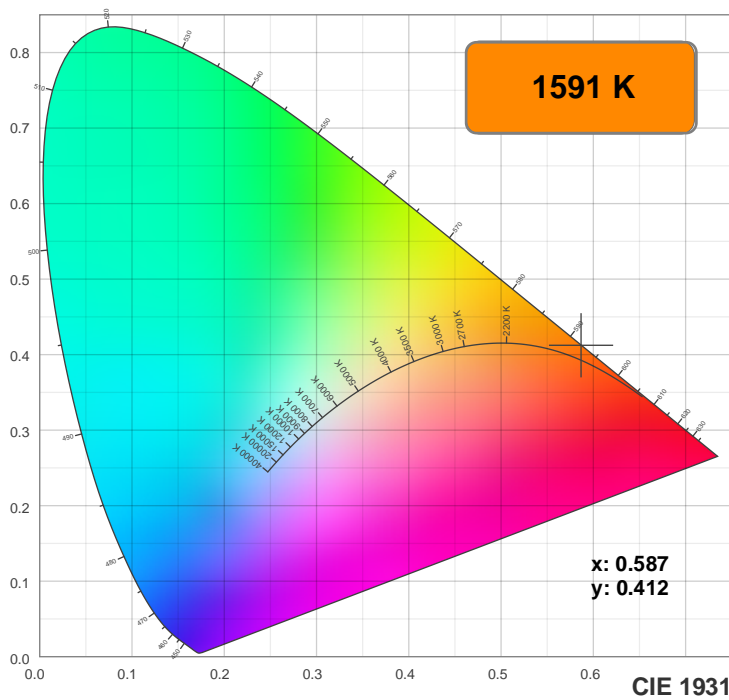


Power

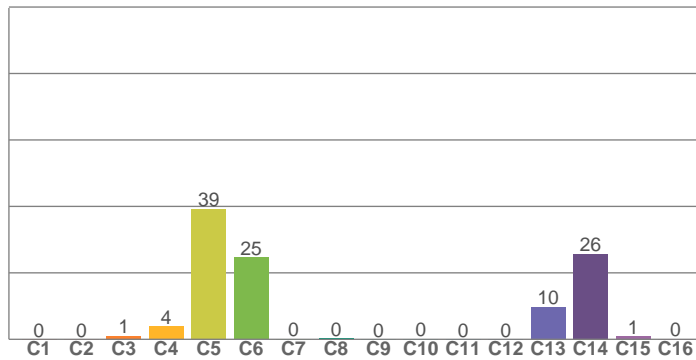


Voltage: 121 V
Current: 0.195 A
Frequency: 60 Hz

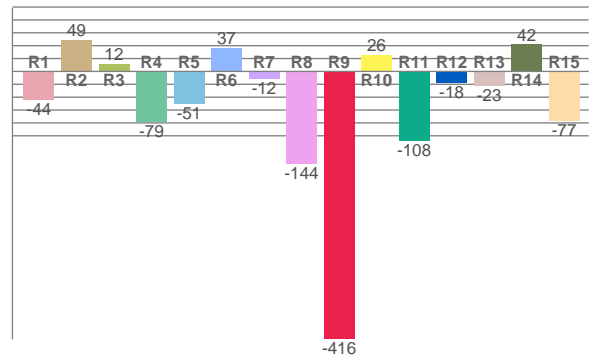
Color Details



TM30: 0.3



CRI: -28.9 (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
-44.1	49.2	11.9	-78.6	-50.9	37.0	-11.7	-143.9	-416.2	26.0	-108.3	-17.5	-23.3	41.8	-76.9

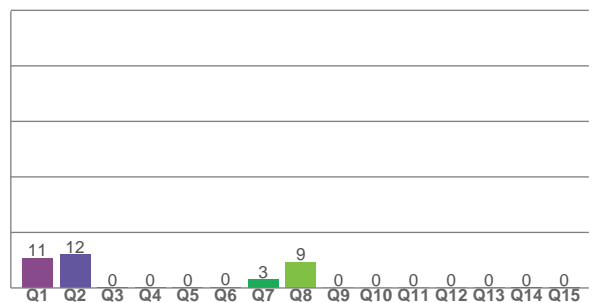
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	1.0	3.8	39.3	24.6	0.1	0.3	0.0	0.1	0.0	0.0	9.8	25.7	0.9	0.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
10.7	12.0	0.0	0.0	0.1	0.3	3.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1

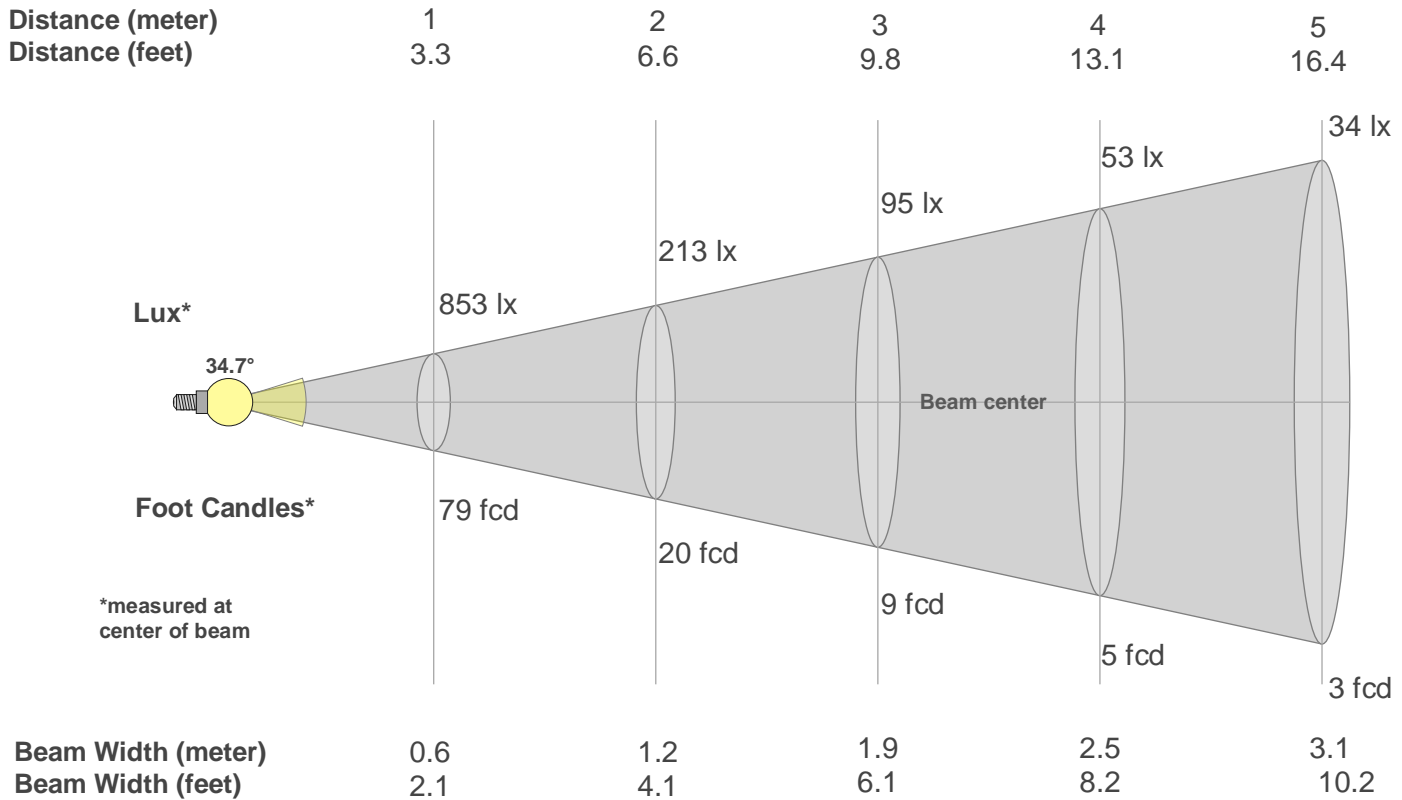
CQS: 0.0



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 Diviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
1591 K	-28.9	-416.2	0.3	2.1	0.0	0.587	0.412	0.346	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	853	213	95	53	34	24	17	13	11	9	7	6	5	4	4	3	3	3	2	2
fcd	79.3	19.8	8.8	5	3.2	2.2	1.6	1.2	1	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2

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°
853	846	821	783	734	674	610	541	472	405	343	285	236	191	155	124	98	78	62	49
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	28%	22%	18%	14%	12%	9%	7%	6%

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°
853	846	821	783	734	674	610	541	472	405	343	285	236	191	155	124	98	78	62	49
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	28%	22%	18%	14%	12%	9%	7%	6%

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°
853	846	822	784	734	675	609	541	472	405	343	286	236	193	155	125	99	79	62	49
100%	99%	96%	92%	86%	79%	71%	63%	55%	48%	40%	34%	28%	23%	18%	15%	12%	9%	7%	6%

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°
853	846	822	784	734	675	609	541	472	405	343	286	236	193	155	125	99	79	62	49
100%	99%	96%	92%	86%	79%	71%	63%	55%	48%	40%	34%	28%	23%	18%	15%	12%	9%	7%	6%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
34.7°	66.5°	90.5°	98.4%	94.6%