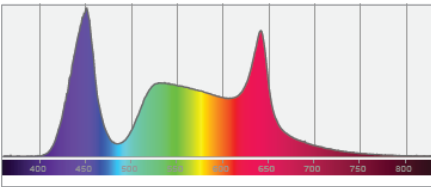
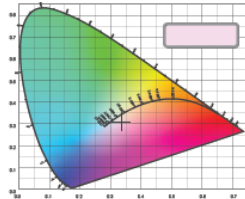


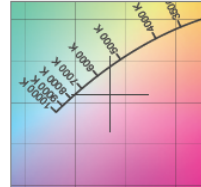
Spectral distribution



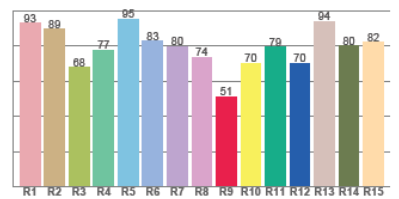
Color coordinates



Zoom color point



CRI R values



Photometric Test Report

*Due to additional product enhancements, an updated version of this report may be available online. Please check www.adj.com for the latest revision/update of this report.

12P Hex IP



Light Efficiency:



Light Quality:



Color Temperature:



Output: 2524 lm

Peak: 14707 cd

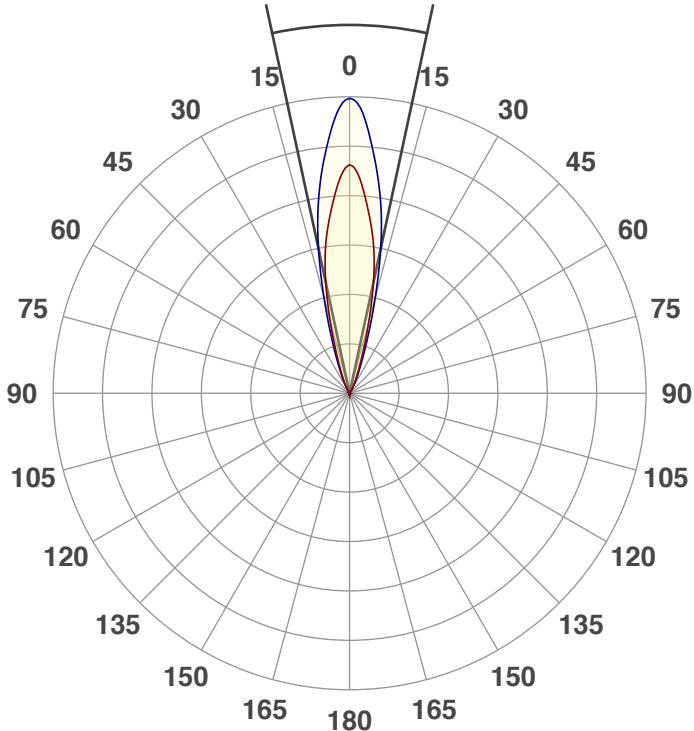
Power: 80.8 W

PF: 1.0



Beam Angle

24.3°



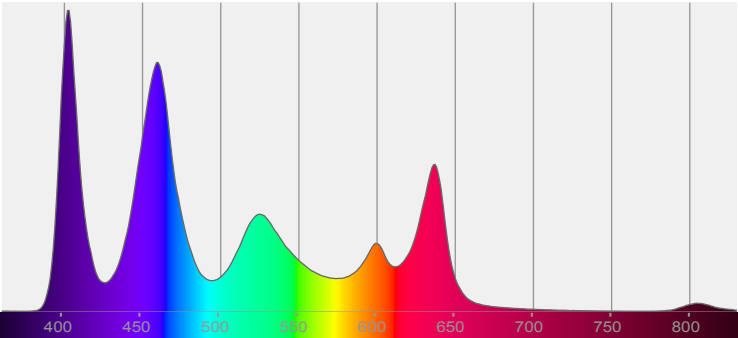
Test: Full On
Date: 5/31/2018
Note:



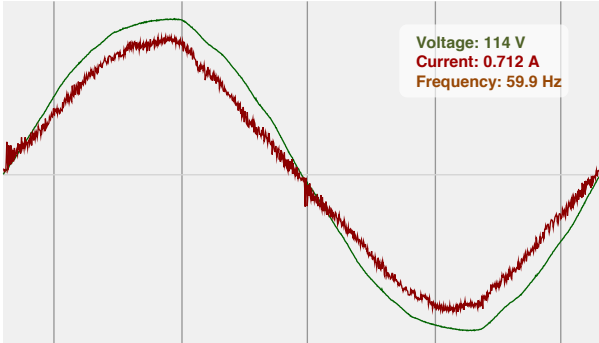
CIE 1931
x: 0.274
y: 0.242

Spectra

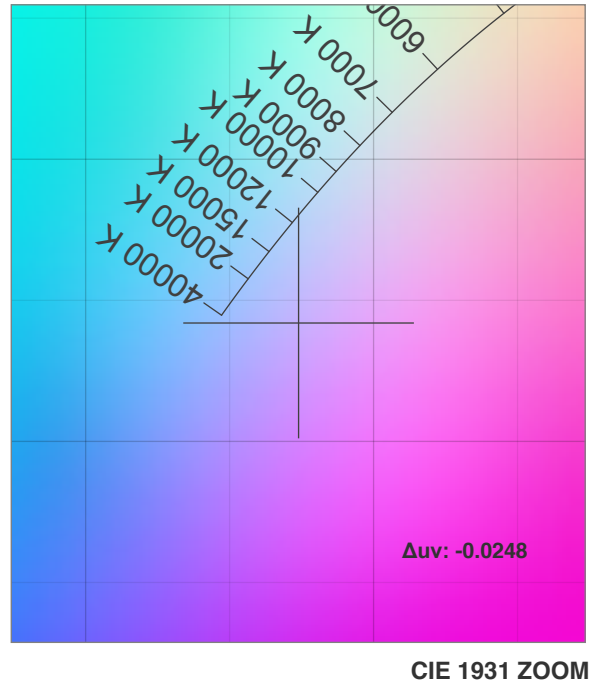
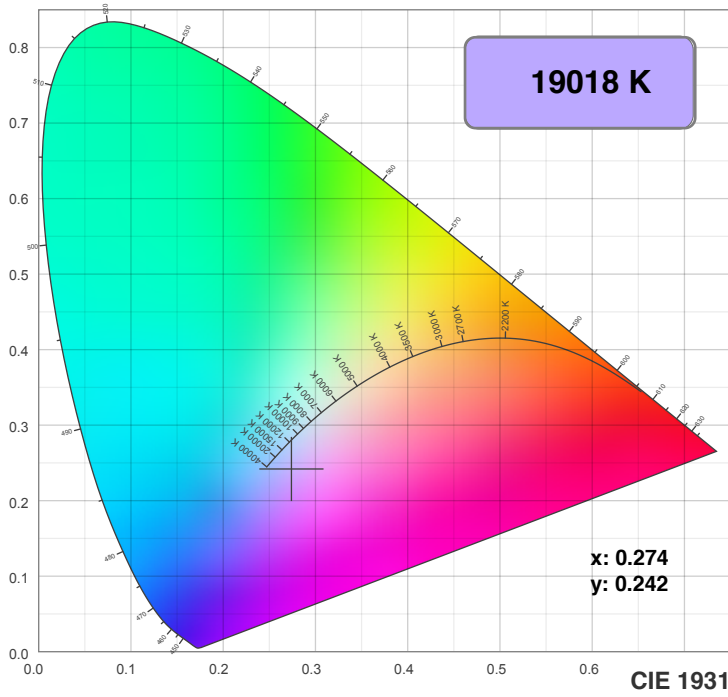
Dominant Wavelength: 429nm



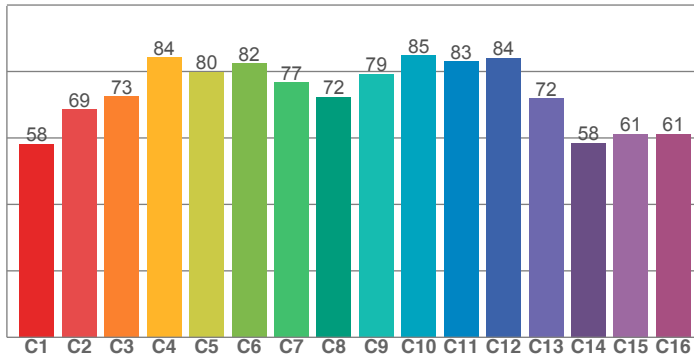
Power



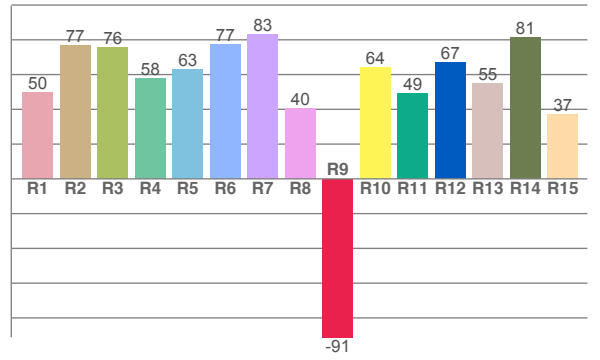
Color Details



TM30: 75.2



CRI: 65.6 (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
49.9	76.9	75.8	58.1	62.9	77.4	83.1	40.4	-91.2	64.0	49.3	67.0	54.7	81.3	37.0

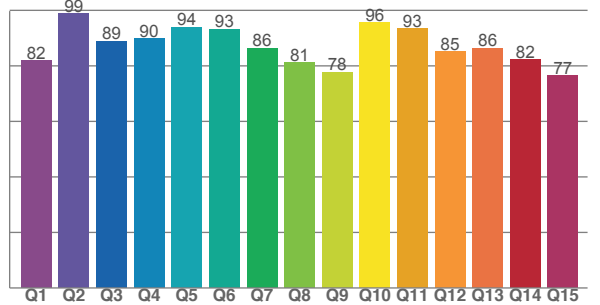
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
58.2	68.6	72.5	84.2	79.9	82.4	76.7	72.4	79.2	84.8	83.0	84.0	71.9	58.5	61.2	61.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.9	98.7	88.9	89.9	93.9	93.3	86.4	81.2	77.7	95.5	93.5	85.0	86.4	82.2	76.6

CQS: 85.8



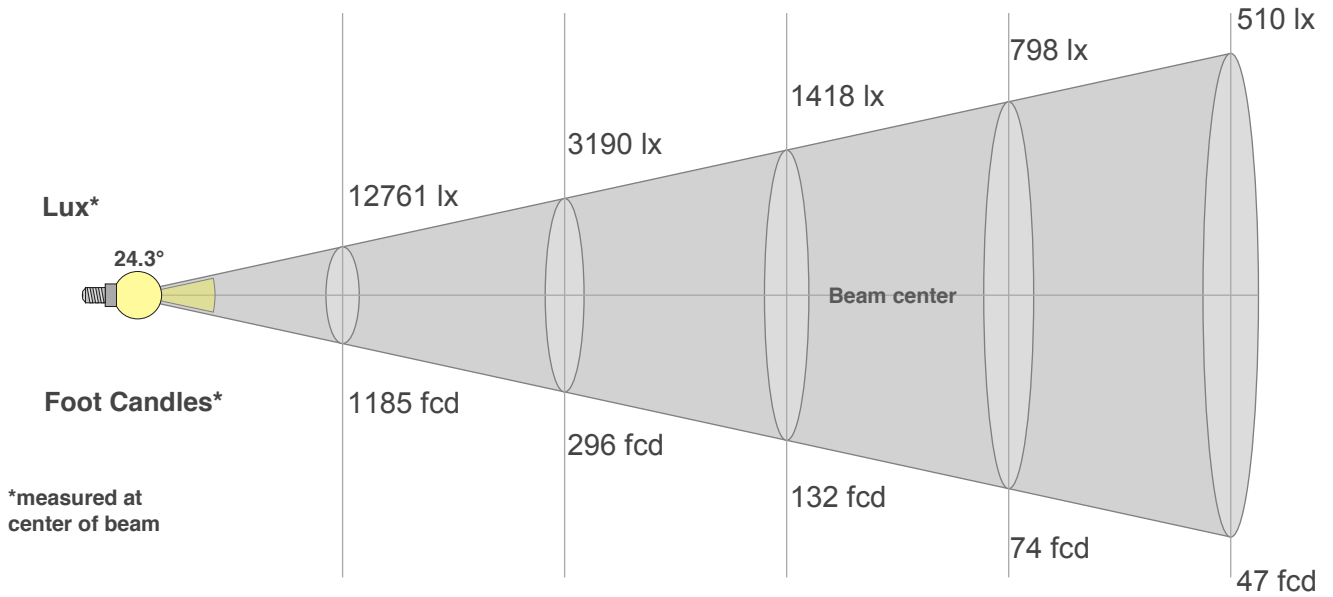
Color Parameters

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
19018 K	65.6	-91.2	75.2	112.8	85.8	0.274	0.242	0.205	0.271	-0.0248

Beam Details

Distance (meter)
Distance (feet)

1 2 3 4 5
3.3 6.6 9.8 13.1 16.4



Beam Width (meter)
Beam Width (feet)

0.4 0.9 1.3 1.7 2.2
1.4 2.8 4.2 5.6 7.1

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	12761	3190	1418	798	510	354	260	199	158	128	105	89	76	65	57	50	44	39	35	32
fcd	1185.5	296.4	131.7	74.1	47.4	32.9	24.2	18.5	14.6	11.9	9.8	8.2	7	6	5.3	4.6	4.1	3.7	3.3	3

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°
12.8K	10.9K	10.1K	9.1K	8.1K	7.0K	5.7K	4.4K	3.2K	2.2K	1.5K	1.1K	0.8K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K	0.0K
100%	86%	79%	71%	63%	55%	45%	35%	25%	17%	12%	8%	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°
12.8K	14.3K	13.2K	11.9K	10.6K	9.1K	7.5K	5.8K	4.2K	2.9K	2.0K	1.4K	1.0K	0.7K	0.4K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	112%	103%	93%	83%	71%	59%	45%	33%	23%	16%	11%	8%	5%	3%	2%	1%	1%	1%	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°
12.8K	11.0K	10.1K	9.1K	8.1K	7.0K	5.7K	4.4K	3.1K	2.2K	1.5K	1.0K	0.7K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K	0.0K
100%	86%	79%	71%	63%	55%	45%	34%	25%	17%	12%	8%	6%	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°
12.8K	14.3K	13.2K	11.8K	10.5K	9.1K	7.5K	5.8K	4.2K	2.9K	2.0K	1.4K	1.0K	0.7K	0.4K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	112%	103%	93%	82%	71%	59%	45%	33%	23%	16%	11%	8%	5%	3%	2%	1%	1%	1%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.3°	43.3°	57.5°	99.9%	99.6%

12P Hex IP



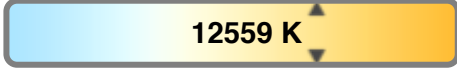
Light Efficiency:



Light Quality:



Color Temperature:



Output: 3050 lm

Peak: 15785 cd

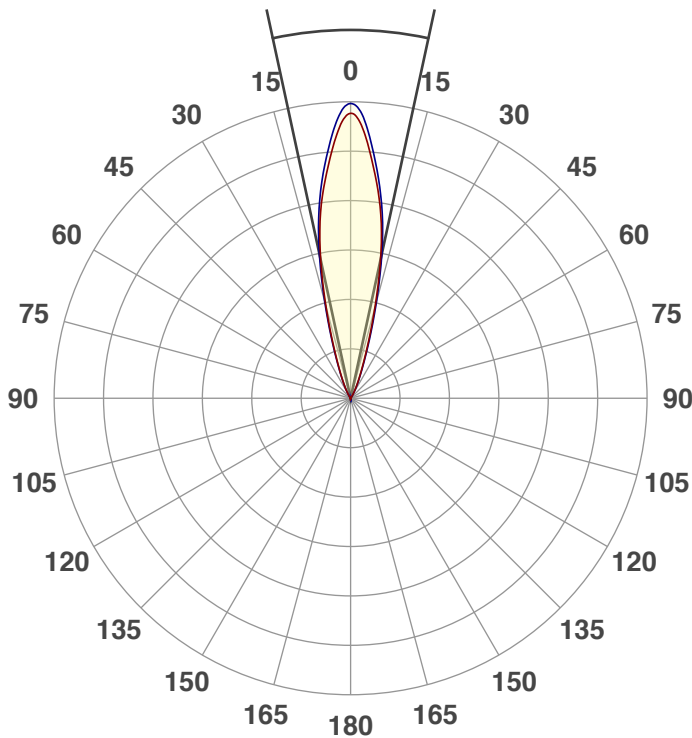
Power: 75.7 W

PF: 1.0



Beam Angle

24.4°



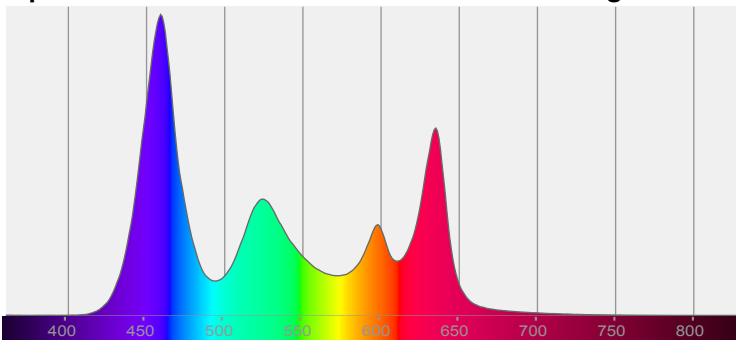
Test: Full On No UV
Date: 5/31/2018
Note:



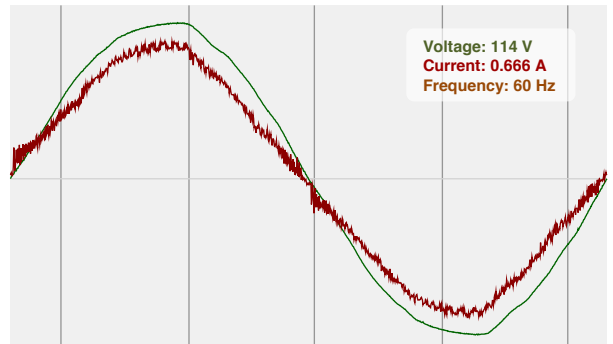
CIE 1931
x: 0.285
y: 0.253

Spectra

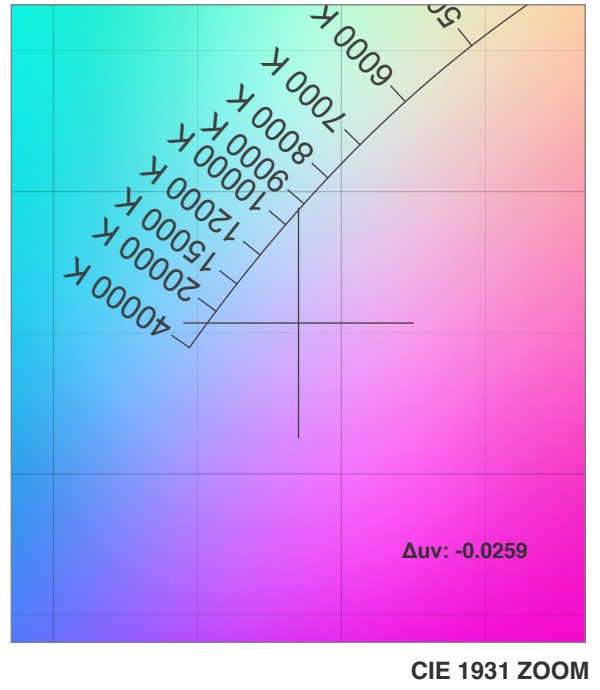
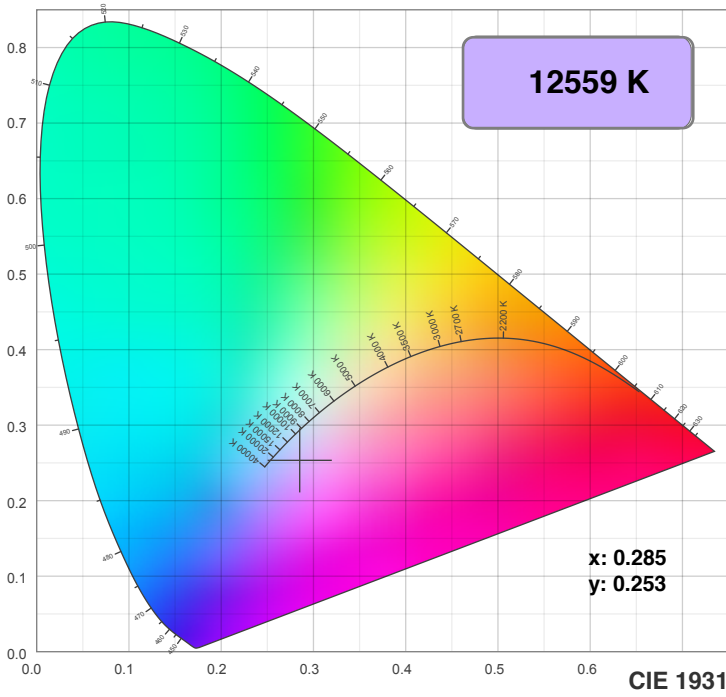
Dominant Wavelength: 360nm



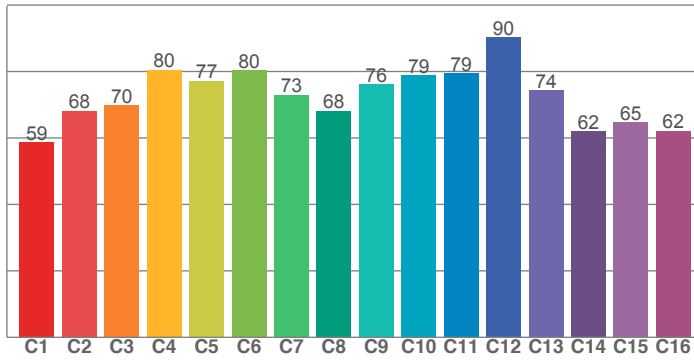
Power



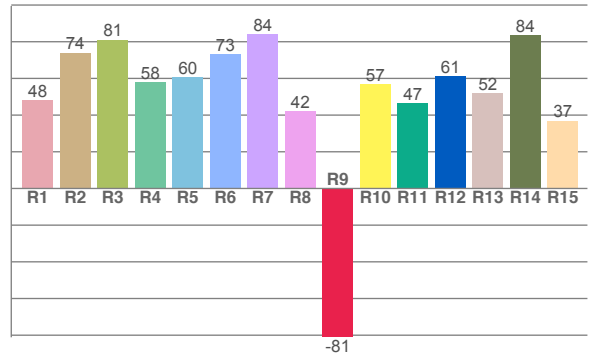
Color Details



TM30: 73.5



CRI: 65.1 (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
48.0	74.1	81.0	57.8	60.5	73.2	84.0	42.0	-81.1	56.9	46.6	61.3	52.0	83.7	36.9

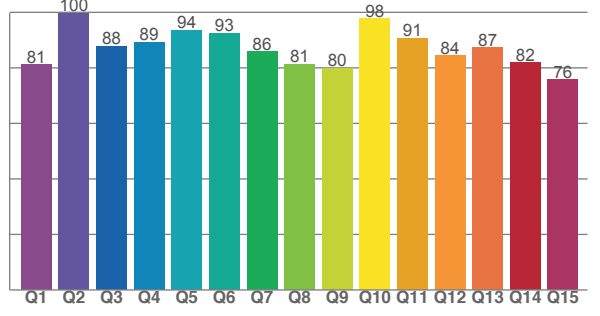
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
58.7	68.1	69.8	80.4	77.1	80.3	72.9	68.1	76.1	78.9	79.4	90.2	74.2	61.9	64.7	62.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.2	99.8	87.9	89.2	93.6	92.5	85.8	81.4	80.0	97.7	90.7	84.3	87.3	81.8	75.8

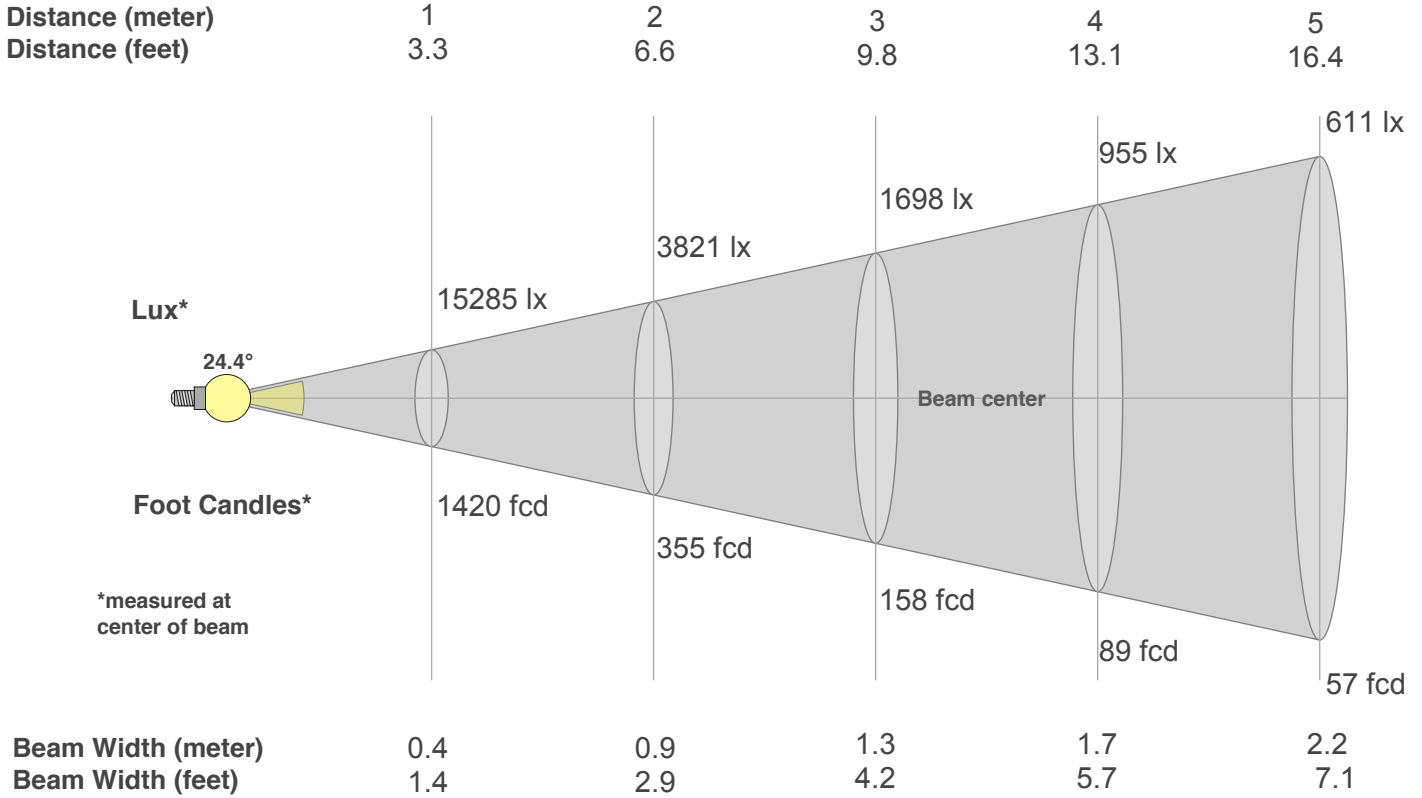
CQS: 85.7



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
12559 K	65.1	-81.1	73.5	110.4	85.7	0.285	0.253	0.208	0.278	-0.0259

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	15285	3821	1698	955	611	425	312	239	189	153	126	106	90	78	68	60	53	47	42	38
fcd	1420	355	157.8	88.8	56.8	39.4	29	22.2	17.5	14.2	11.7	9.9	8.4	7.2	6.3	5.5	4.9	4.4	3.9	3.6

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°
15.3K	14.7K	13.5K	12.2K	10.9K	9.4K	7.8K	6.0K	4.3K	3.0K	2.1K	1.5K	1.0K	0.7K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	96%	88%	80%	71%	62%	51%	39%	28%	20%	13%	10%	7%	5%	3%	2%	1%	1%	1%	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°
15.3K	15.3K	14.2K	12.8K	11.4K	9.8K	8.1K	6.3K	4.5K	3.2K	2.2K	1.5K	1.0K	0.7K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	100%	93%	84%	74%	64%	53%	41%	30%	21%	14%	10%	7%	5%	3%	2%	1%	1%	1%	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°
15.3K	14.8K	13.6K	12.2K	10.9K	9.5K	7.8K	5.9K	4.2K	2.9K	2.0K	1.4K	1.0K	0.7K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	97%	89%	80%	71%	62%	51%	39%	28%	19%	13%	9%	6%	5%	3%	2%	1%	1%	1%	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°
15.3K	15.3K	14.2K	12.7K	11.3K	9.8K	8.1K	6.3K	4.5K	3.2K	2.2K	1.5K	1.1K	0.7K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	100%	93%	83%	74%	64%	53%	41%	30%	21%	14%	10%	7%	5%	3%	2%	1%	1%	1%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.4°	43.4°	57.7°	99.9%	99.5%



12P Hex IP

Light Efficiency:

37 Lumen/Watt

Dominant Wavelength:

622 nm

Output:

493 lm

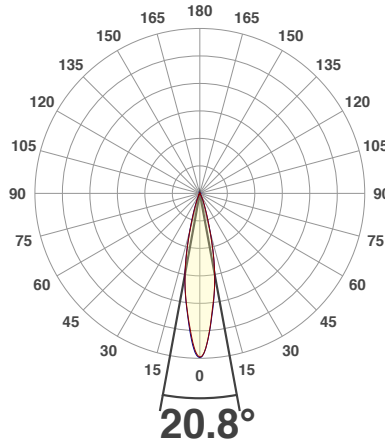
Power:

13.5 W

Peak:

3217 cd

Beam Angle



Test:

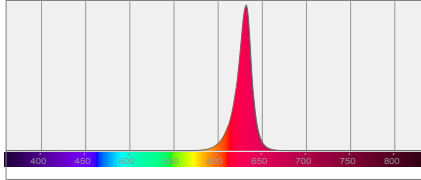
Red

Date:

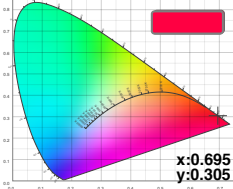
5/31/2018

Note:

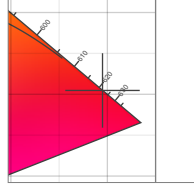
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

Distance (feet)

1

3.3

3

9.8

5

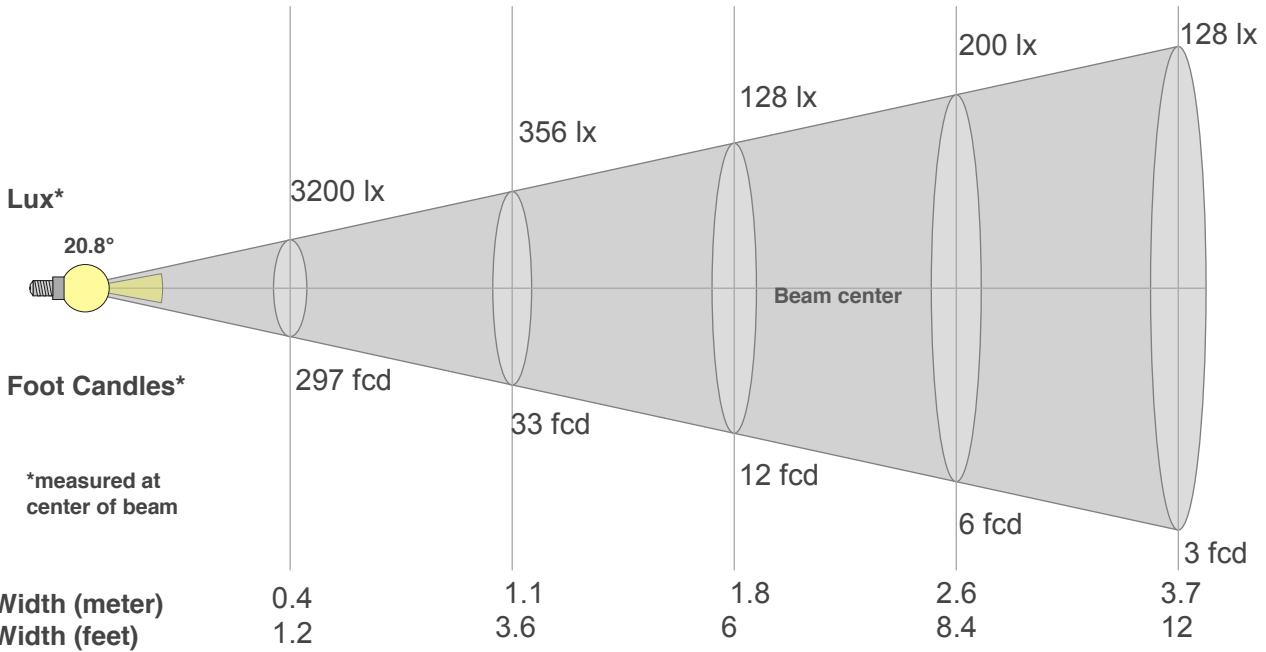
16.4

7

22.9

10

32.8



*measured at center of beam

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
20.8°	38.3°	52.4°	99.9%	99.5%

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	3200	800	356	200	128	89	65	50	40	32	26	22	19	16	14	13	11	10	9	8
fcd	297.3	74.3	33	18.6	11.9	8.3	6.1	4.6	3.7	3	2.5	2.1	1.8	1.5	1.3	1.2	1	0.9	0.8	0.7



12P Hex IP

Light Efficiency:

55 Lumen/Watt

Dominant Wavelength:

530 nm

Output:

1098 lm

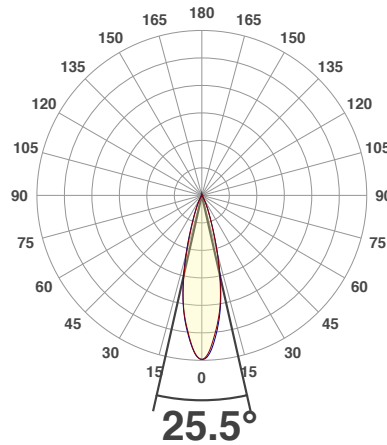
Power:

19.9 W

Peak:

5090 cd

Beam Angle



Test:

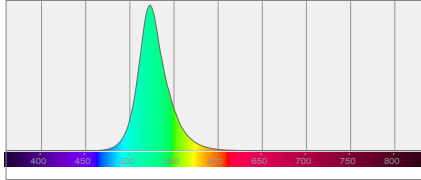
Green

Date:

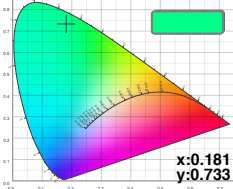
5/31/2018

Note:

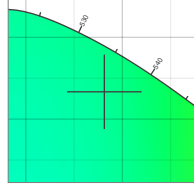
Spectral Distribution



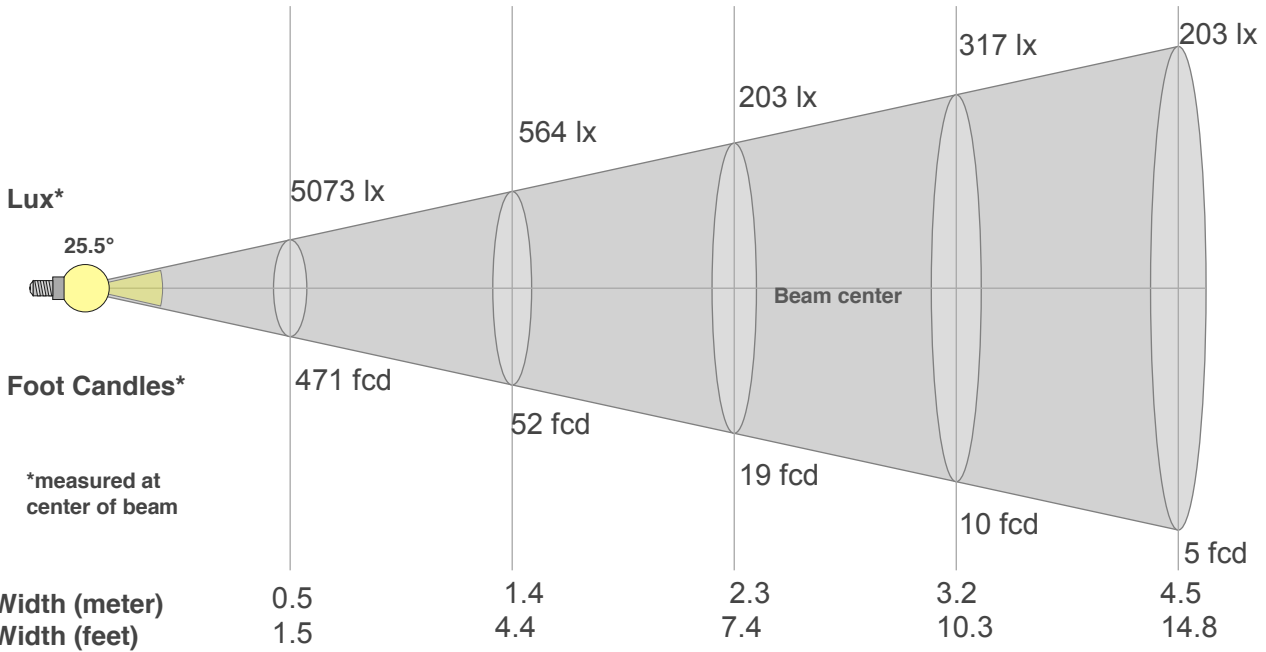
Color Coordinates



Zoom Color Point



Distance (meter)	1	3	5	7	10
Distance (feet)	3.3	9.8	16.4	22.9	32.8



Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25.5°	44.8°	59.2°	99.5%	98.8%

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	5073	1268	564	317	203	141	104	79	63	51	42	35	30	26	23	20	18	16	14	13
fcd	471.3	117.8	52.4	29.5	18.9	13.1	9.6	7.4	5.8	4.7	3.9	3.3	2.8	2.4	2.1	1.8	1.6	1.5	1.3	1.2



12P Hex IP

Light Efficiency:

11 Lumen/Watt

Dominant Wavelength:

463 nm

Output:

233 lm

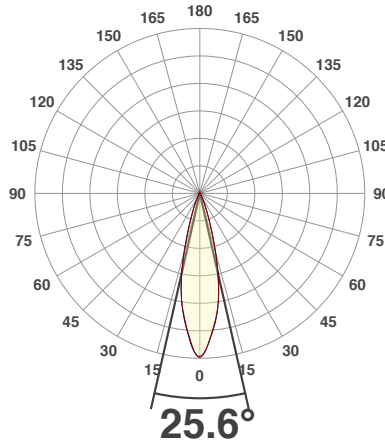
Power:

20.6 W

Peak:

1095 cd

Beam Angle



Test:

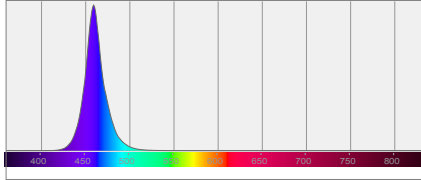
Blue

Date:

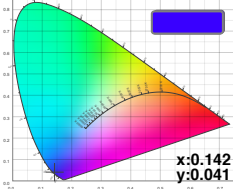
5/31/2018

Note:

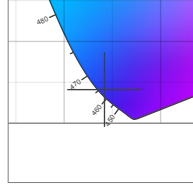
Spectral Distribution



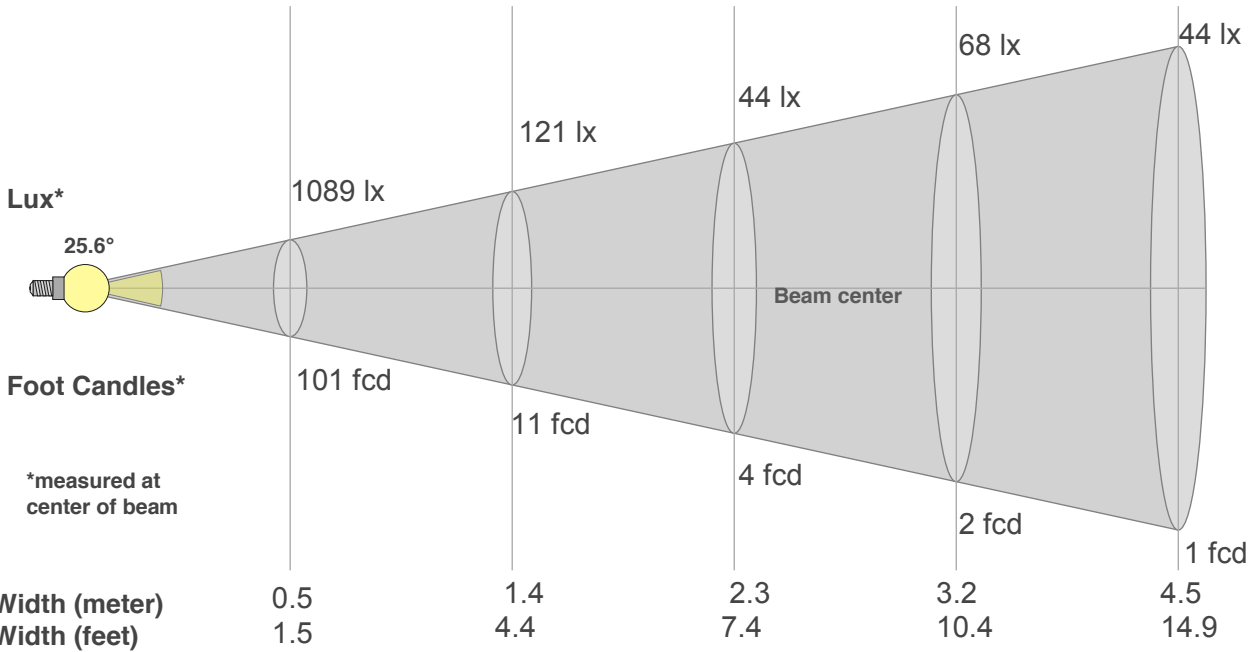
Color Coordinates



Zoom Color Point



Distance (meter)	1	3	5	7	10
Distance (feet)	3.3	9.8	16.4	22.9	32.8



*measured at center of beam

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25.6°	44.3°	58.4°	99.4%	98.6%

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	1089	272	121	68	44	30	22	17	13	11	9	8	6	6	5	4	4	3	3	3
fcd	101.2	25.3	11.2	6.3	4	2.8	2.1	1.6	1.2	1	0.8	0.7	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.3

12P Hex IP



Light Efficiency:



Light Quality:



Color Temperature:



Output: 429 lm

Peak: 1857 cd

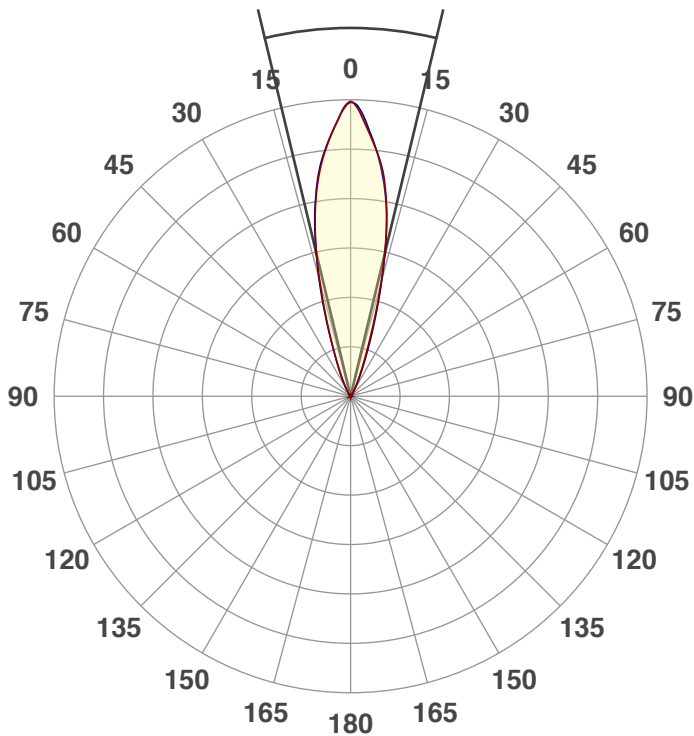
Power: 14.3 W

PF: 0.87



Beam Angle

26.9°



Test:

Amber

Date:

5/31/2018

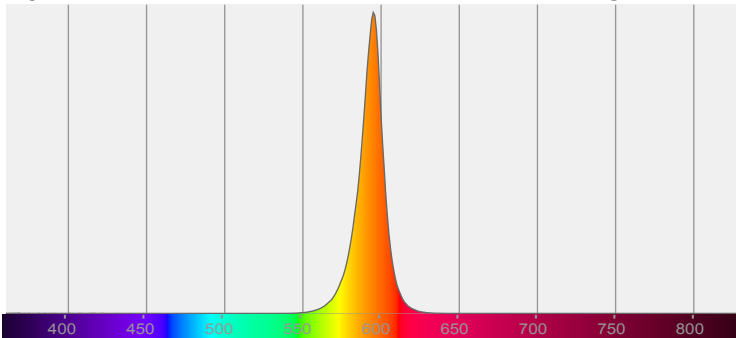
Note:



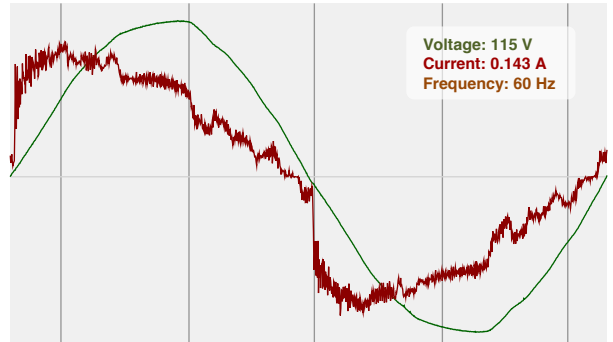
CIE 1931
x: 0.585
y: 0.414

Spectra

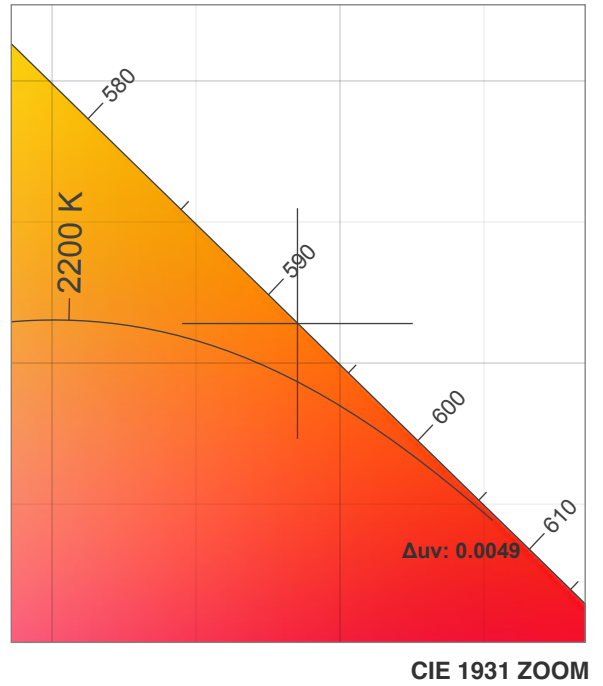
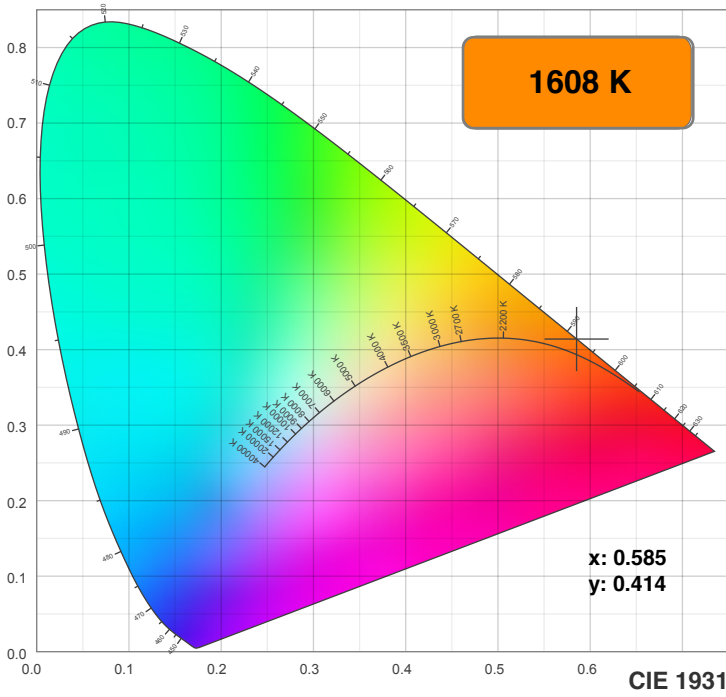
Dominant Wavelength: 592nm



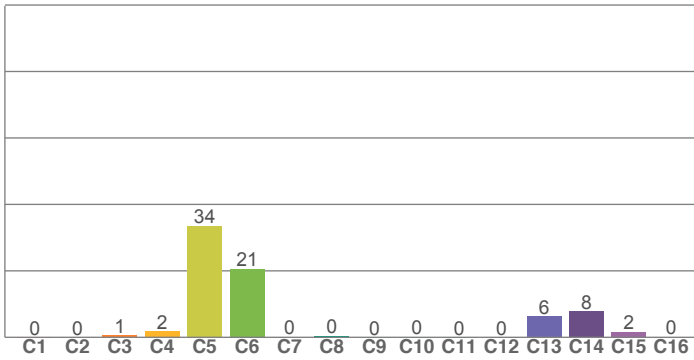
Power



Color Details



TM30: 0.2



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
-43.0	48.8	14.1	-76.5	-49.8	35.5	-10.0	-141.6	-412.8	24.1	-106.6	-20.0	-22.8	43.3	-75.5

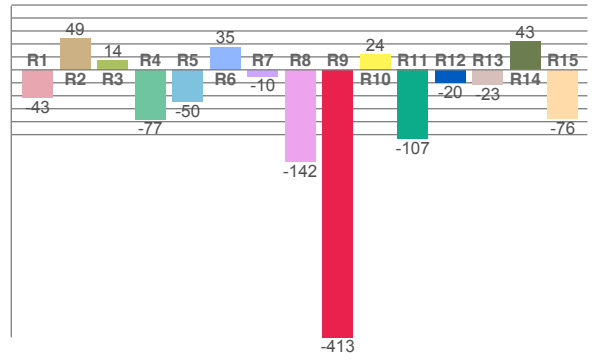
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.6	1.8	33.5	20.6	0.0	0.4	0.0	0.1	0.0	0.0	6.2	7.8	1.6	0.2

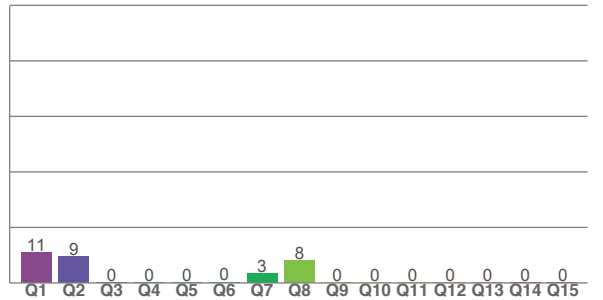
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.0	9.5	0.0	0.0	0.1	0.3	3.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -27.8 (R1-R8)



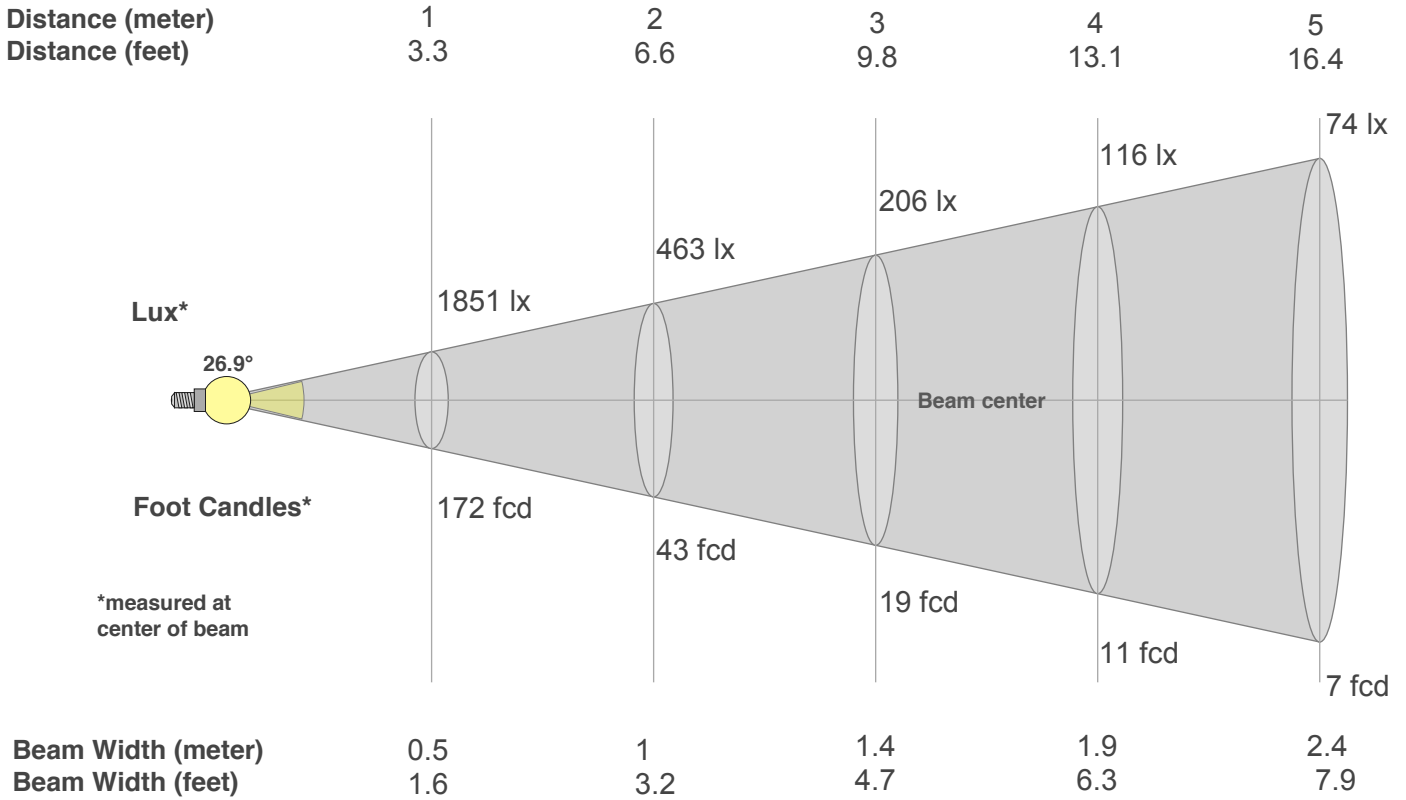
CQS: 0.0



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
1608 K	-27.8	-412.8	0.2	1.0	0.0	0.585	0.414	0.344	0.365	0.0049

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	1851	463	206	116	74	51	38	29	23	19	15	13	11	9	8	7	6	6	5	5
fcd	172	43	19.1	10.7	6.9	4.8	3.5	2.7	2.1	1.7	1.4	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°
1851	1780	1666	1548	1416	1259	1072	863	646	457	322	230	169	127	91	61	37	22	15	11
100%	96%	90%	84%	77%	68%	58%	47%	35%	25%	17%	12%	9%	7%	5%	3%	2%	1%	1%	1%

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°
1851	1779	1668	1555	1429	1268	1082	876	668	477	324	220	149	102	68	46	30	20	13	10
100%	96%	90%	84%	77%	69%	58%	47%	36%	26%	18%	12%	8%	6%	4%	2%	2%	1%	1%	1%

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°
1851	1780	1666	1557	1441	1282	1087	856	630	432	288	195	135	96	64	42	26	17	13	9
100%	96%	90%	84%	78%	69%	59%	46%	34%	23%	16%	11%	7%	5%	3%	2%	1%	1%	1%	1%

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°
1851	1799	1680	1558	1422	1269	1087	873	659	472	330	225	157	107	71	45	29	20	14	10
100%	97%	91%	84%	77%	69%	59%	47%	36%	26%	18%	12%	8%	6%	4%	2%	2%	1%	1%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
26.9°	45.9°	60.2°	99.6%	98.9%

12P Hex IP



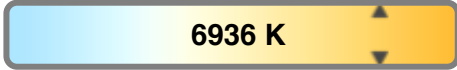
Light Efficiency:



Light Quality:



Color Temperature:



Output: 1086 lm

Peak: 5416 cd

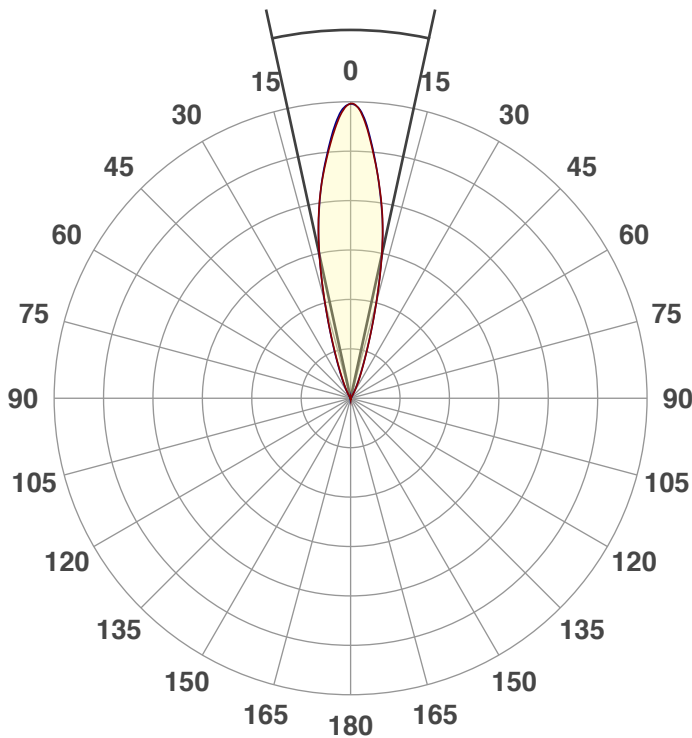
Power: 19.8 W

PF: 0.93



Beam Angle

24.5°



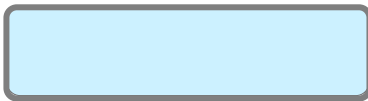
Test:

White

Date:

5/31/2018

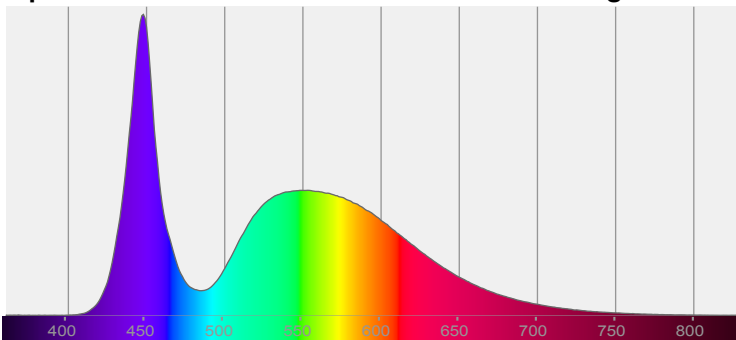
Note:



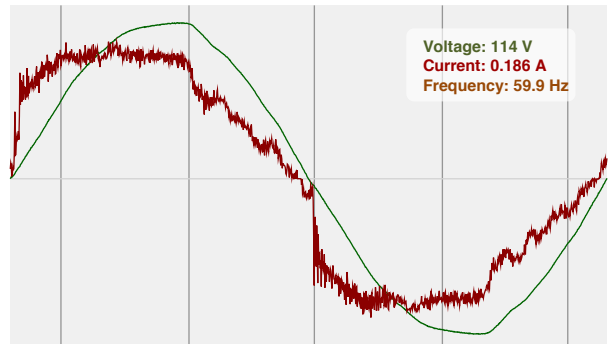
CIE 1931
x: 0.307
y: 0.317

Spectra

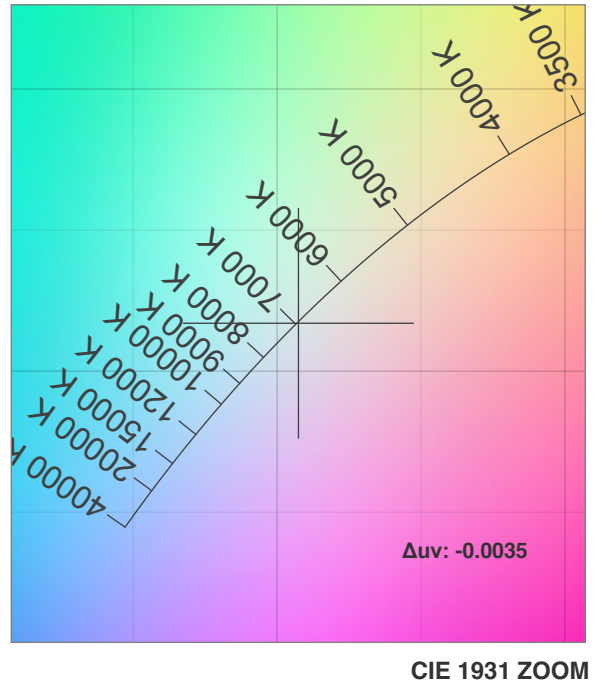
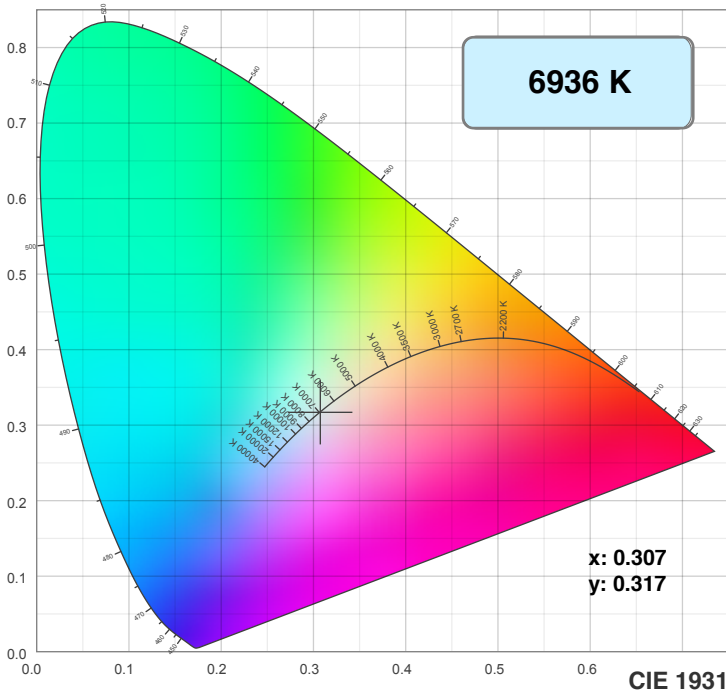
Dominant Wavelength: 424nm



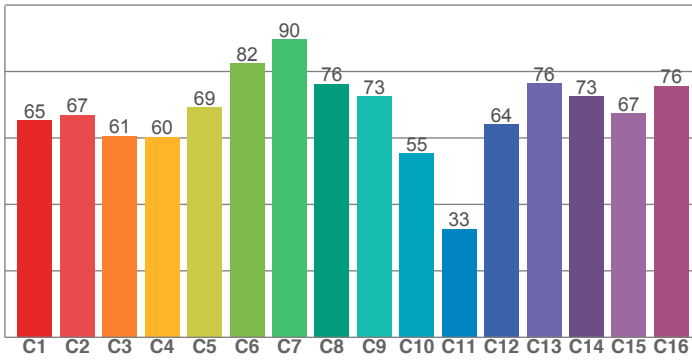
Power



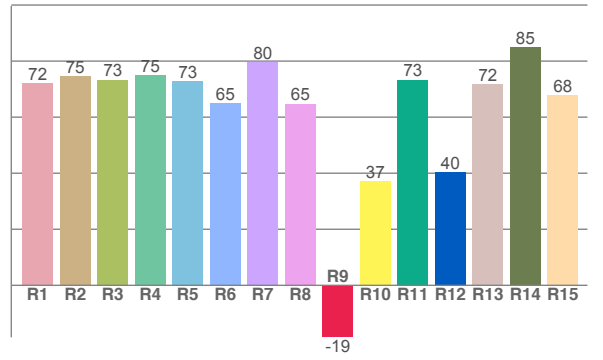
Color Details



TM30: 67.7



CRI: 72.2 (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
72.1	74.5	73.3	74.8	72.9	65.0	79.7	64.8	-18.6	37.1	73.3	40.3	71.7	84.9	67.9

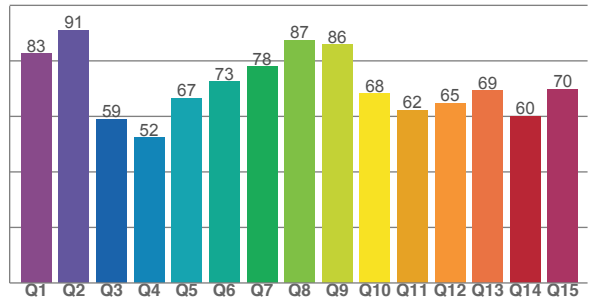
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.3	66.9	60.6	60.3	69.2	82.4	89.7	76.2	72.5	55.3	32.6	64.1	76.5	72.6	67.4	75.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.5	91.0	59.0	52.3	66.5	72.6	77.8	87.5	85.9	68.2	62.2	64.8	69.2	60.0	69.8

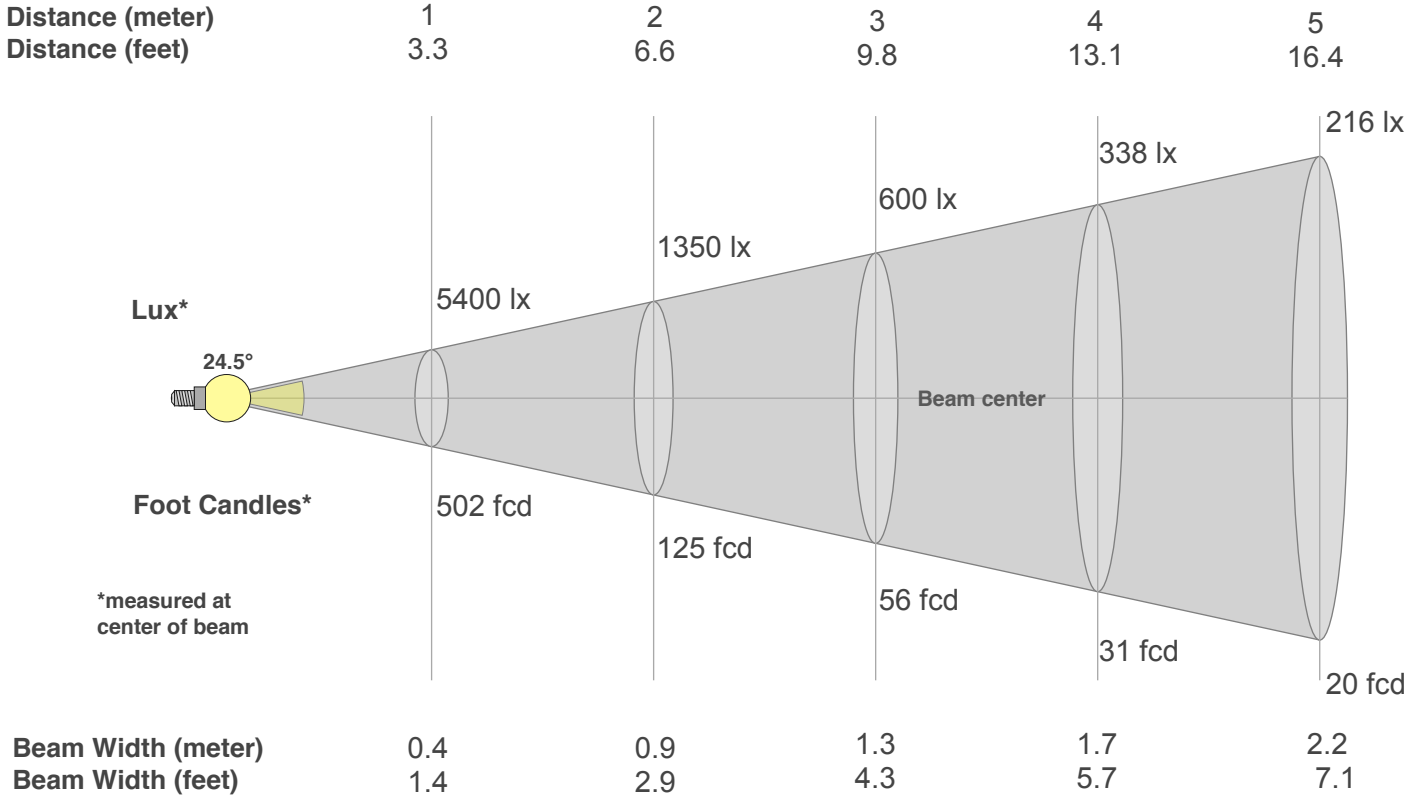
CQS: 69.2



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
6936 K	72.2	-18.6	67.7	95.1	69.2	0.307	0.317	0.199	0.307	-0.0035

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	5400	1350	600	338	216	150	110	84	67	54	45	38	32	28	24	21	19	17	15	14
fcd	501.7	125.4	55.7	31.4	20.1	13.9	10.2	7.8	6.2	5	4.1	3.5	3	2.6	2.2	2	1.7	1.5	1.4	1.3

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°
5400	5217	4810	4362	3905	3384	2792	2141	1538	1049	698	468	320	214	138	89	59	41	30	23
100%	97%	89%	81%	72%	63%	52%	40%	28%	19%	13%	9%	6%	4%	3%	2%	1%	1%	1%	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°
5400	5262	4865	4391	3902	3367	2778	2141	1551	1084	743	508	354	238	154	97	62	44	31	24
100%	97%	90%	81%	72%	62%	51%	40%	29%	20%	14%	9%	7%	4%	3%	2%	1%	1%	1%	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°
5400	5262	4842	4352	3870	3367	2789	2152	1559	1089	765	543	393	278	185	119	73	47	33	24
100%	97%	90%	81%	72%	62%	52%	40%	29%	20%	14%	10%	7%	5%	3%	2%	1%	1%	1%	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°
5400	5283	4873	4368	3852	3350	2780	2129	1542	1065	724	492	339	225	145	95	63	44	33	25
100%	98%	90%	81%	71%	62%	51%	39%	29%	20%	13%	9%	6%	4%	3%	2%	1%	1%	1%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.5°	43.3°	57.2°	99.8%	99.2%

