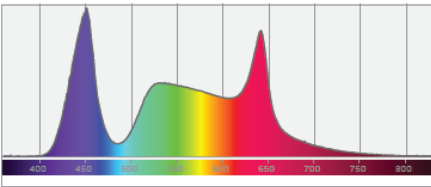
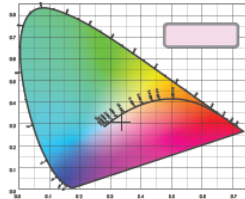


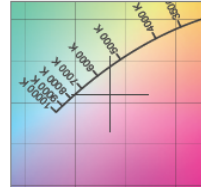
Spectral distribution



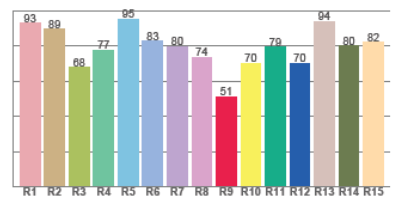
Color coordinates



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.

MOD TW100



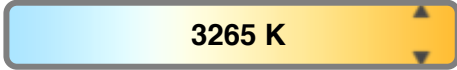
Light Efficiency:



Light Quality:



Color Temperature:



Output: 2010 lm

Peak: 6510 cd

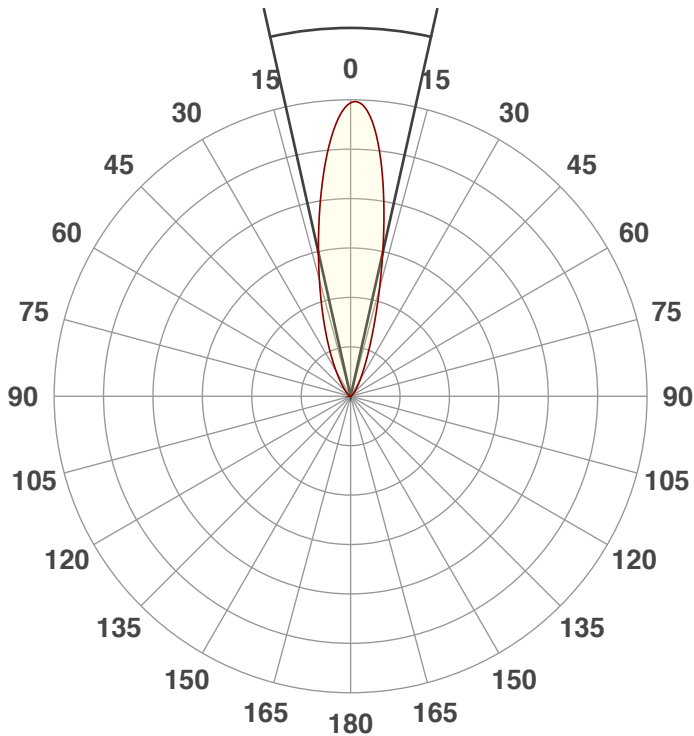
Power: 114 W

PF: 0.65



Beam Angle

25.2°



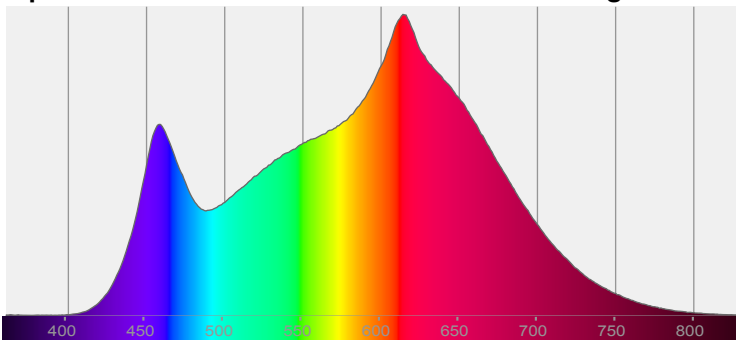
Test: 40Deg Full On
Date: 11/26/2018
Note:



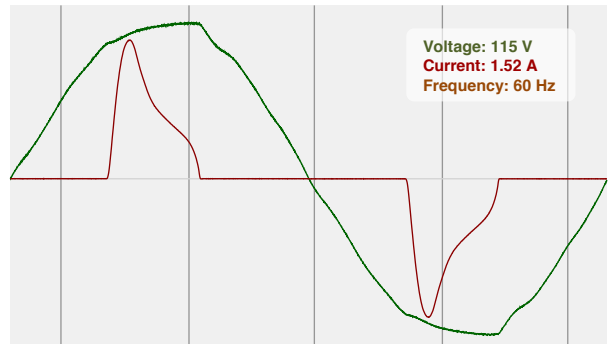
CIE 1931
x: 0.408
y: 0.370

Spectra

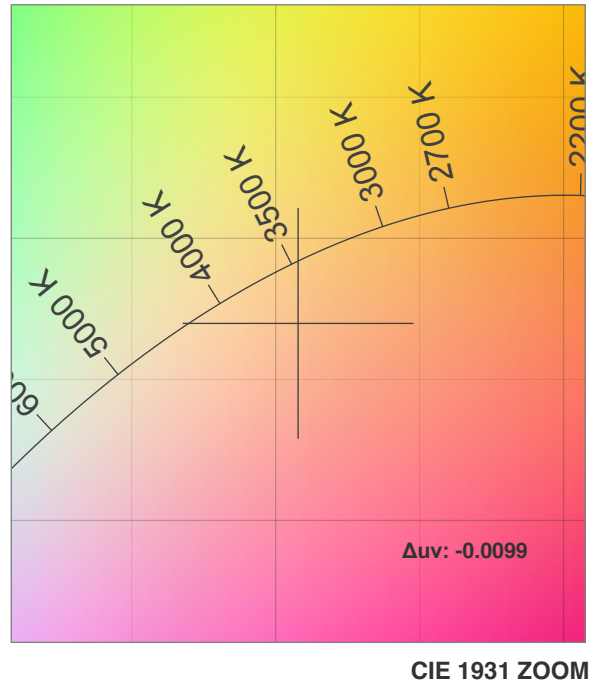
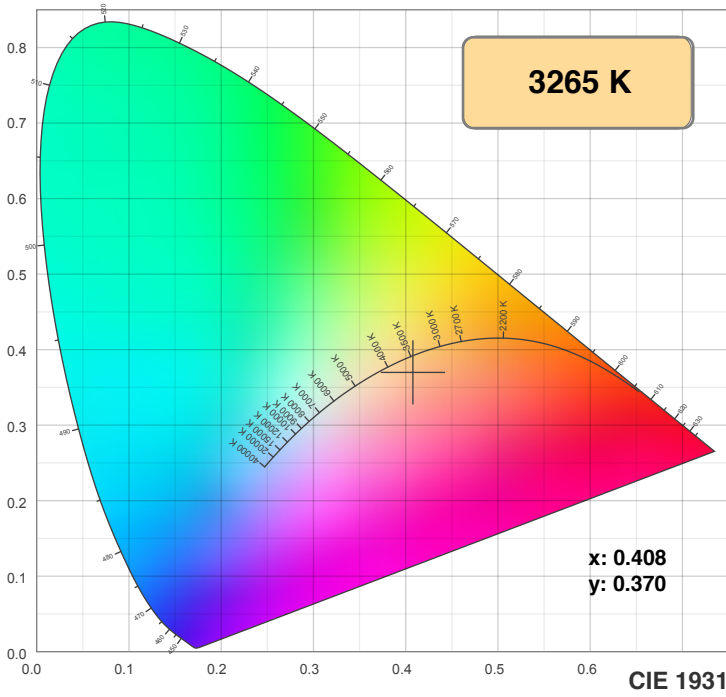
Dominant Wavelength: 588nm



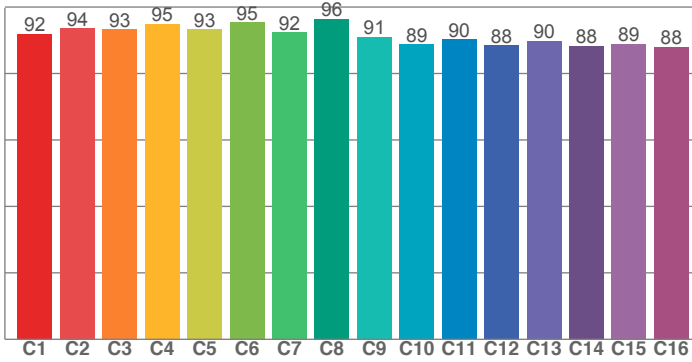
Power



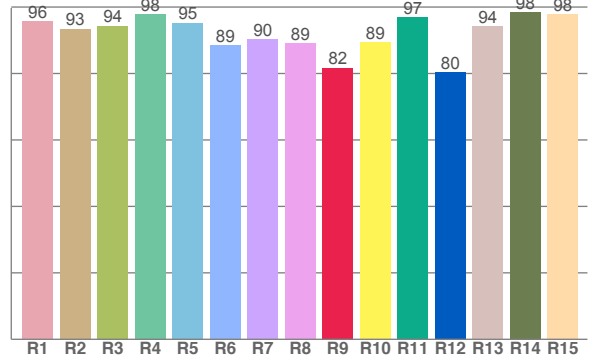
Color Details



TM30: 91.8



CRI: 93.0 (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
95.6	93.4	94.3	97.9	95.2	88.6	90.2	89.1	81.7	89.3	96.8	80.5	94.1	98.4	97.8

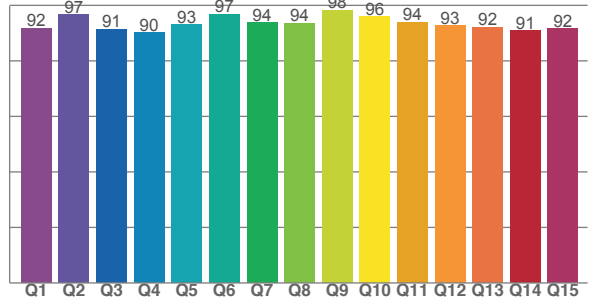
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.9	93.6	93.3	94.9	93.2	95.4	92.4	96.4	91.1	88.8	90.2	88.4	89.7	88.2	89.0	88.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	96.5	91.4	90.2	93.0	96.8	93.9	93.7	98.3	95.9	93.9	92.7	92.1	91.0	91.6

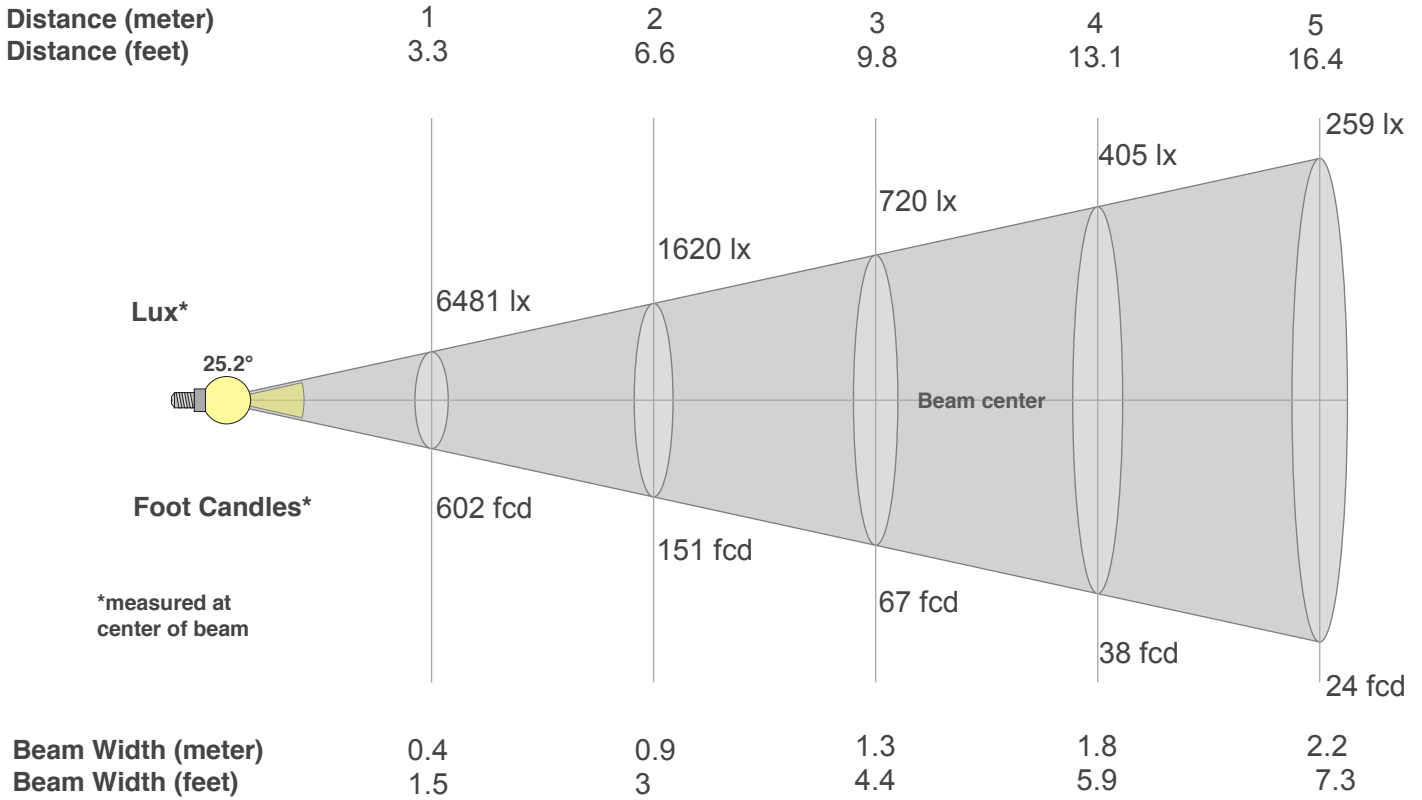
CQS: 93.0



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
3265 K	93.0	81.7	91.8	101.0	93.0	0.408	0.370	0.246	0.335	-0.0099

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	6481	1620	720	405	259	180	132	101	80	65	54	45	38	33	29	25	22	20	18	16
fcd	602.1	150.5	66.9	37.6	24.1	16.7	12.3	9.4	7.4	6	5	4.2	3.6	3.1	2.7	2.4	2.1	1.9	1.7	1.5

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°
6481	6243	5802	5237	4615	3998	3420	2902	2444	2048	1705	1413	1163	955	780	636	518	422	345	283
100%	96%	90%	81%	71%	62%	53%	45%	38%	32%	26%	22%	18%	15%	12%	10%	8%	7%	5%	4%

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°
6481	6243	5802	5237	4615	3998	3420	2902	2444	2048	1705	1413	1163	955	780	636	518	422	345	283
100%	96%	90%	81%	71%	62%	53%	45%	38%	32%	26%	22%	18%	15%	12%	10%	8%	7%	5%	4%

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°
6481	6469	6194	5680	4999	4236	3477	2781	2189	1708	1333	1045	825	655	525	423	344	281	231	191
100%	100%	96%	88%	77%	65%	54%	43%	34%	26%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

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°
6481	6469	6194	5680	4999	4236	3477	2781	2189	1708	1333	1045	825	655	525	423	344	281	231	191
100%	100%	96%	88%	77%	65%	54%	43%	34%	26%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25.2°	55.8°	83.5°	98.7%	94.0%

MOD TW100



Light Efficiency:



Light Quality:



Color Temperature:



Output: 374 lm

Peak: 1301 cd

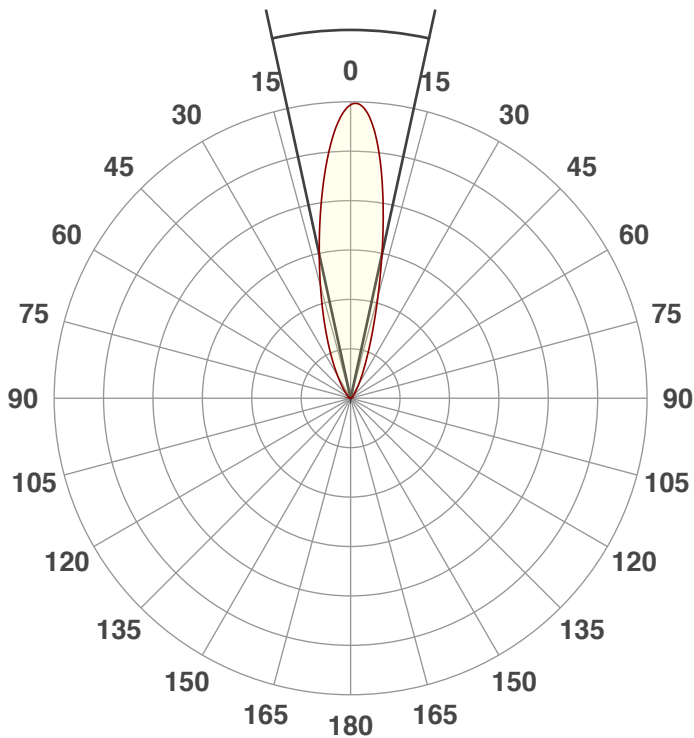
Power: 30.7 W

PF: 0.56



Beam Angle

24.6°



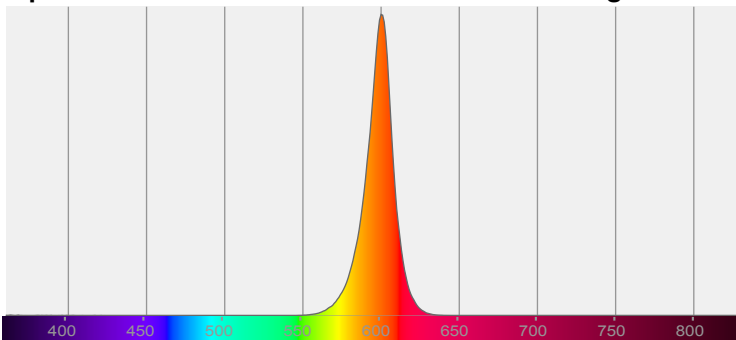
Test: 40Deg Amber
Date: 11/27/2018
Note:



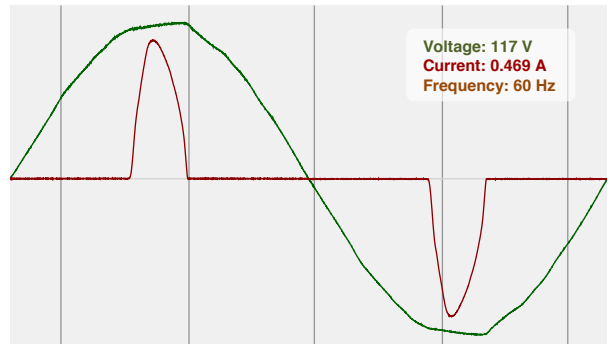
CIE 1931
x: 0.610
y: 0.390

Spectra

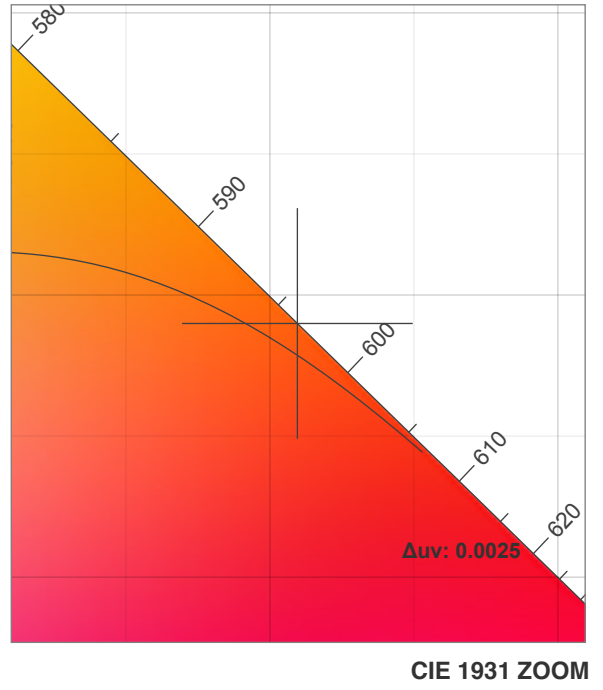
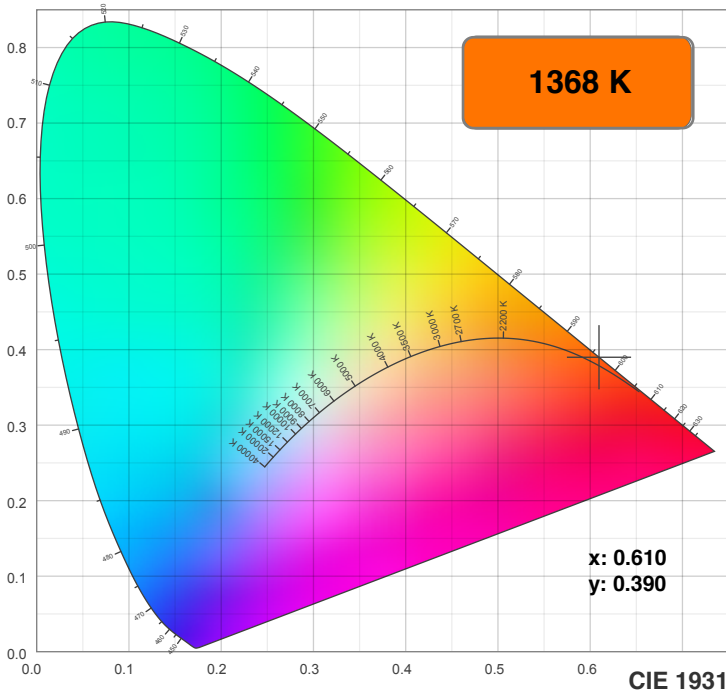
Dominant Wavelength: 596nm



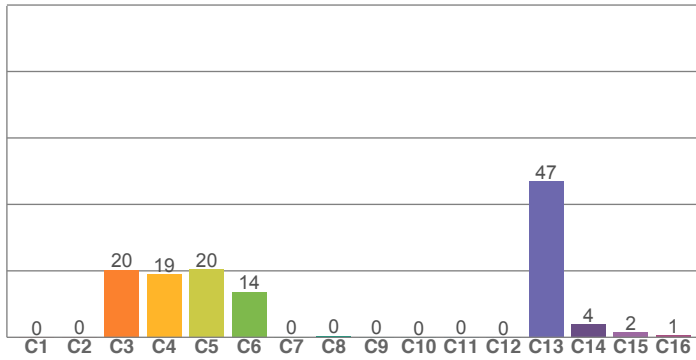
Power



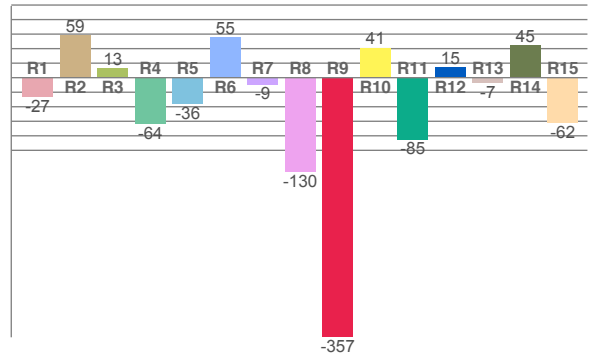
Color Details



TM30: 0.5



CRI: -17.4 (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
-26.7	58.5	13.1	-64.1	-36.5	55.5	-9.3	-129.7	-357.4	41.2	-85.0	14.7	-6.7	44.8	-61.8

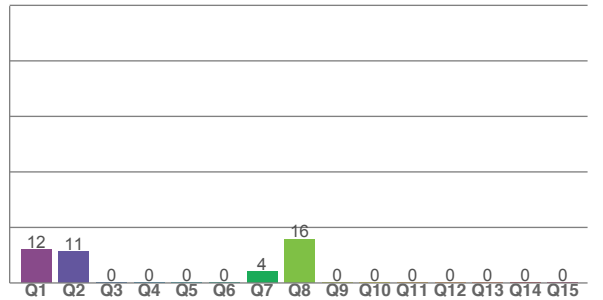
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.1	20.3	19.0	20.5	13.6	0.1	0.5	0.1	0.0	0.2	0.0	46.9	3.8	1.5	0.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.9	11.2	0.0	0.0	0.0	0.2	4.1	15.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0

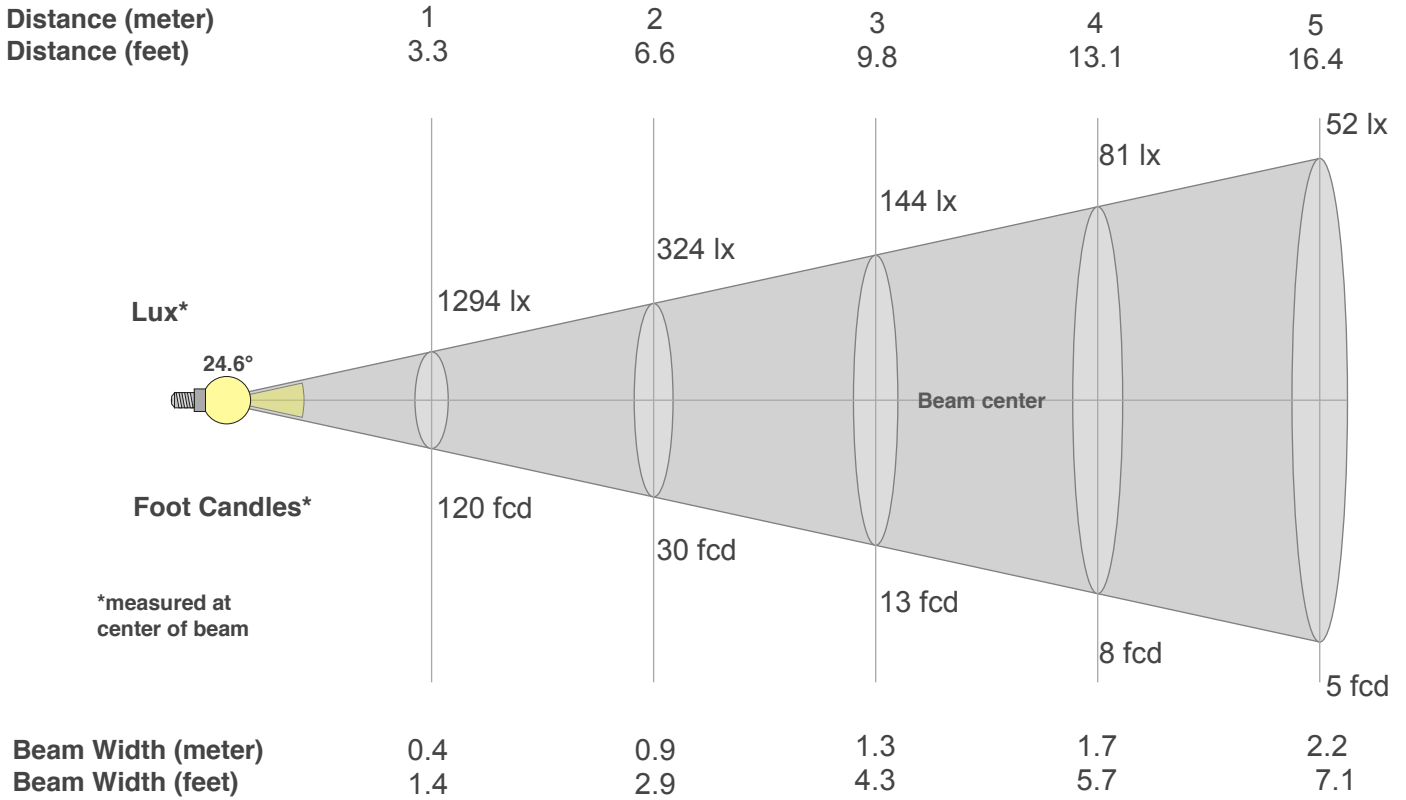
CQS: 0.0



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
1368 K	-17.4	-357.4	0.5	0.3	0.0	0.610	0.390	0.377	0.362	0.0025

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	1294	324	144	81	52	36	26	20	16	13	11	9	8	7	6	5	4	4	4	3
fcd	120.2	30.1	13.4	7.5	4.8	3.3	2.5	1.9	1.5	1.2	1	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3

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°
1294	1243	1151	1034	907	783	666	562	471	392	324	267	218	177	143	116	93	75	61	49
100%	96%	89%	80%	70%	60%	51%	43%	36%	30%	25%	21%	17%	14%	11%	9%	7%	6%	5%	4%

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°
1294	1243	1151	1034	907	783	666	562	471	392	324	267	218	177	143	116	93	75	61	49
100%	96%	89%	80%	70%	60%	51%	43%	36%	30%	25%	21%	17%	14%	11%	9%	7%	6%	5%	4%

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°
1294	1293	1237	1130	988	829	672	530	411	317	245	190	148	117	92	74	59	47	38	31
100%	100%	96%	87%	76%	64%	52%	41%	32%	24%	19%	15%	11%	9%	7%	6%	5%	4%	3%	2%

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°
1294	1293	1237	1130	988	829	672	530	411	317	245	190	148	117	92	74	59	47	38	31
100%	100%	96%	87%	76%	64%	52%	41%	32%	24%	19%	15%	11%	9%	7%	6%	5%	4%	3%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.6°	54°	79.5°	99.1%	95.3%

MOD TW100



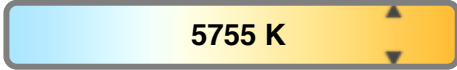
Light Efficiency:



Light Quality:



Color Temperature:



Output: 954 lm

Peak: 3047 cd

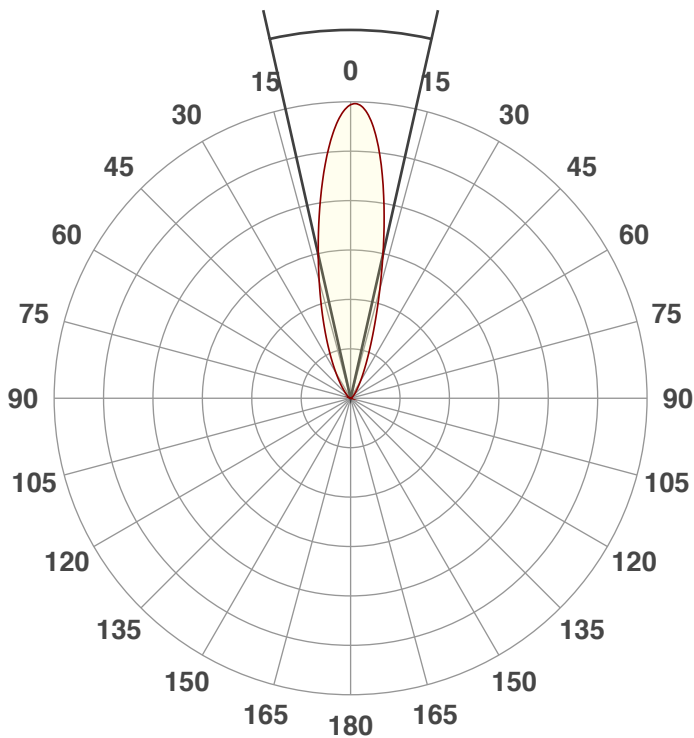
Power: 30.8 W

PF: 0.61



Beam Angle

25.4°



Test:

40Deg CW

Date:

11/26/2018

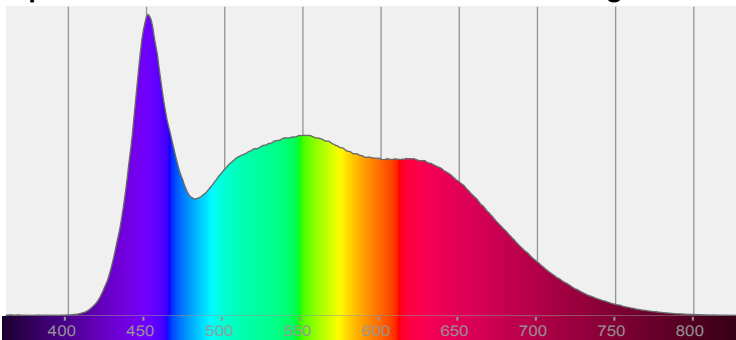
Note:



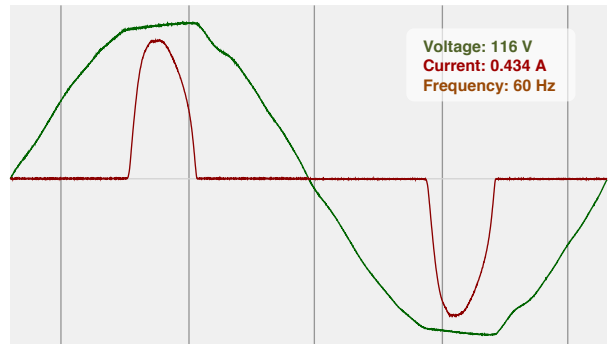
CIE 1931
x: 0.327
y: 0.338

Spectra

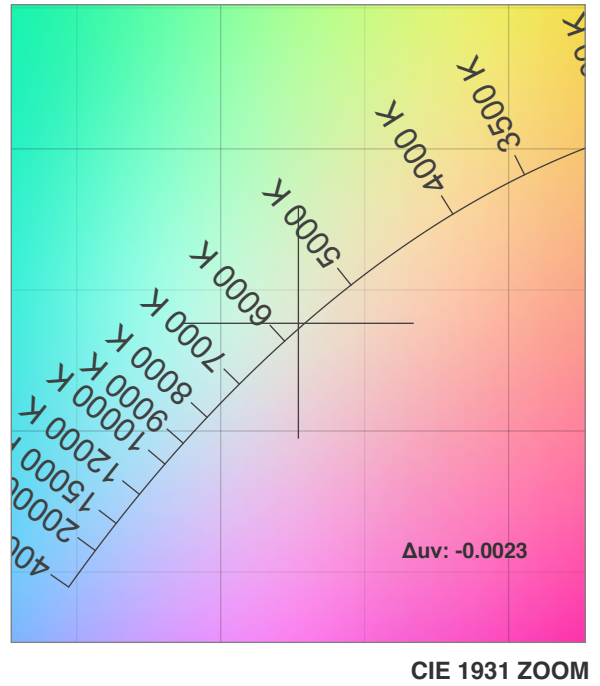
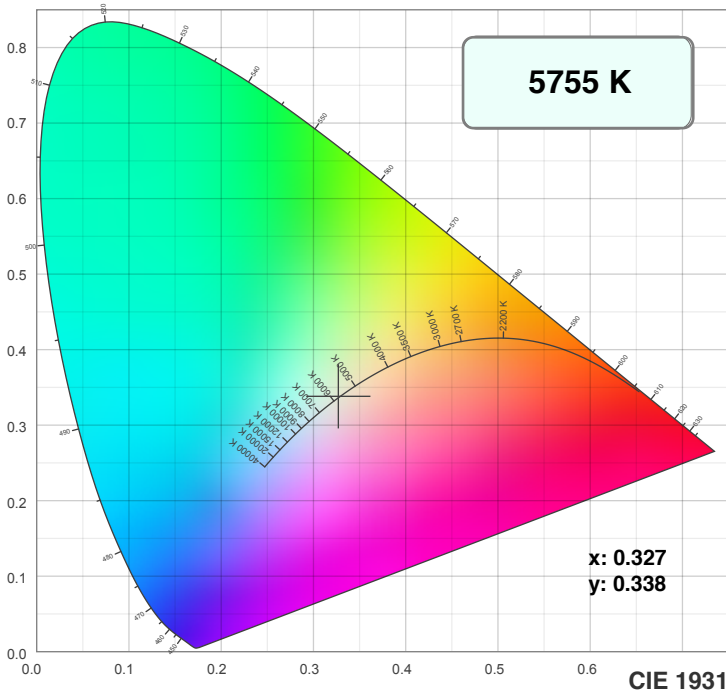
Dominant Wavelength: 583nm



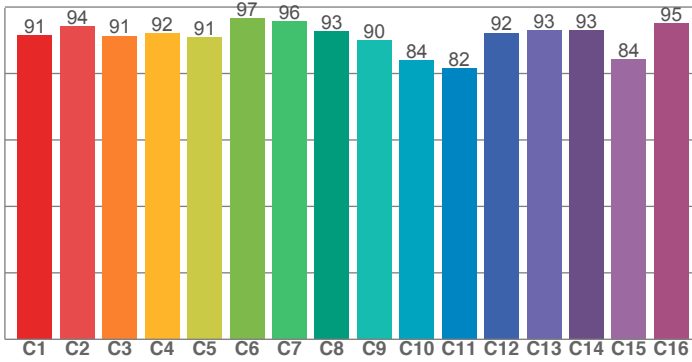
Power



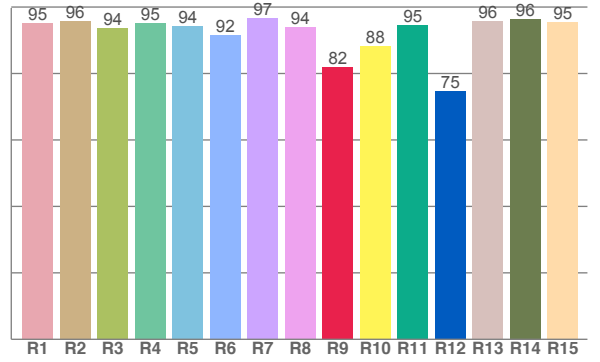
Color Details



TM30: 90.9



CRI: 94.5 (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
95.2	95.7	93.6	95.1	94.3	91.5	96.6	93.8	81.9	88.2	94.5	74.5	95.7	96.3	95.4

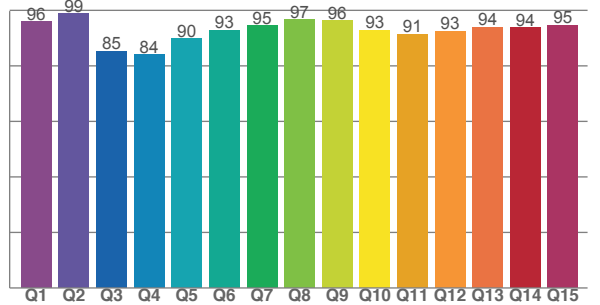
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.4	94.2	91.4	92.1	90.8	96.6	95.6	92.7	89.9	84.0	81.6	92.3	92.9	92.9	84.2	95.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95.9	98.7	85.3	84.1	89.8	92.9	94.6	96.7	96.3	92.8	91.5	92.5	93.9	93.7	94.7

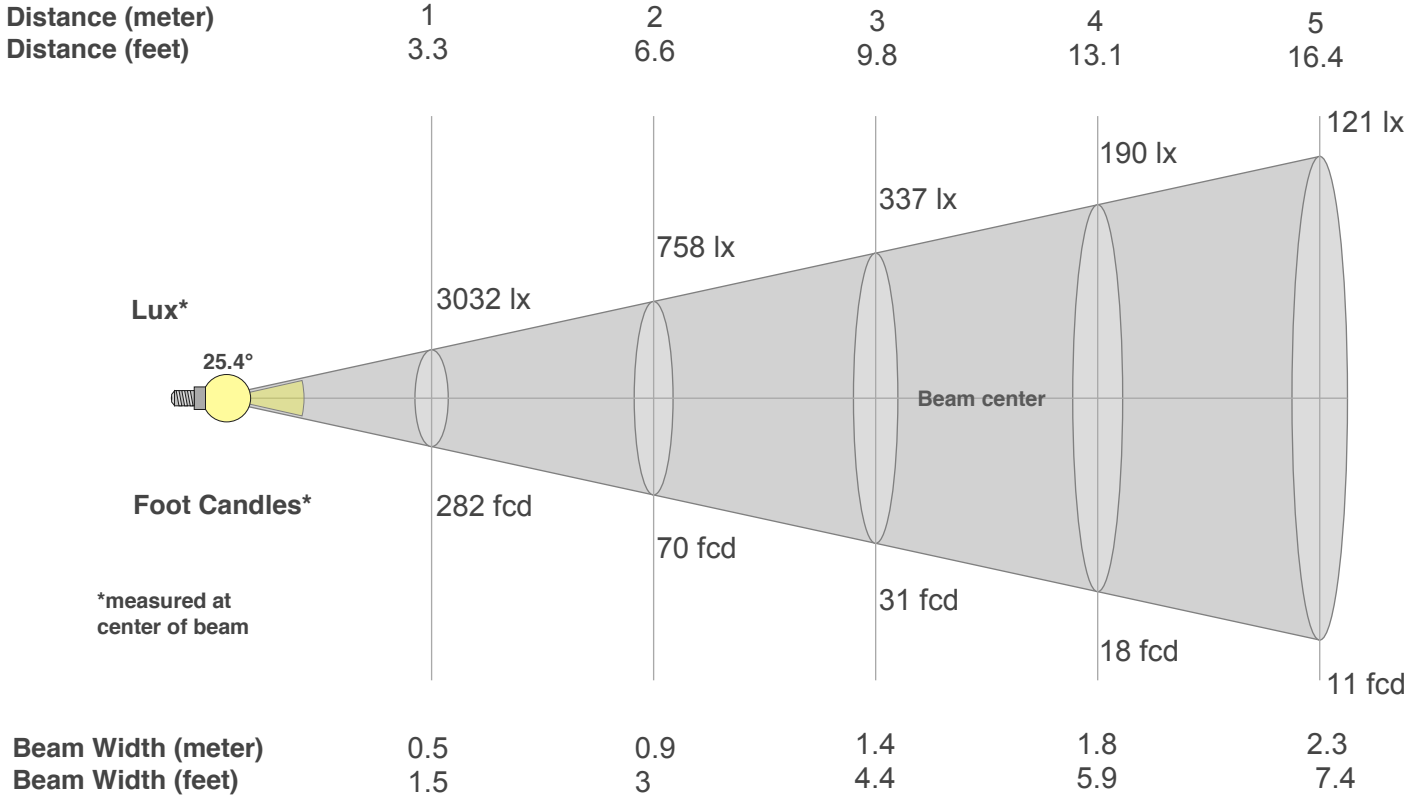
CQS: 91.9



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
5755 K	94.5	81.9	90.9	99.9	91.9	0.327	0.338	0.204	0.317	-0.0023

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	3032	758	337	190	121	84	62	47	37	30	25	21	18	15	13	12	10	9	8	8
fcd	281.7	70.4	31.3	17.6	11.3	7.8	5.7	4.4	3.5	2.8	2.3	2	1.7	1.4	1.3	1.1	1	0.9	0.8	0.7

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°
3032	2923	2723	2460	2171	1882	1610	1367	1152	965	805	668	550	453	370	302	247	201	165	135
100%	96%	90%	81%	72%	62%	53%	45%	38%	32%	27%	22%	18%	15%	12%	10%	8%	7%	5%	4%

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°
3032	2923	2723	2460	2171	1882	1610	1367	1152	965	805	668	550	453	370	302	247	201	165	135
100%	96%	90%	81%	72%	62%	53%	45%	38%	32%	27%	22%	18%	15%	12%	10%	8%	7%	5%	4%

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°
3032	3026	2894	2657	2345	1992	1641	1314	1039	813	635	499	395	313	252	203	165	135	112	93
100%	100%	95%	88%	77%	66%	54%	43%	34%	27%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

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°
3032	3026	2894	2657	2345	1992	1641	1314	1039	813	635	499	395	313	252	203	165	135	112	93
100%	100%	95%	88%	77%	66%	54%	43%	34%	27%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25.4°	56.2°	84.2°	98.5%	93.8%

MOD TW100



Light Efficiency:



Light Quality:



Color Temperature:



Output: 1400 lm

Peak: 4537 cd

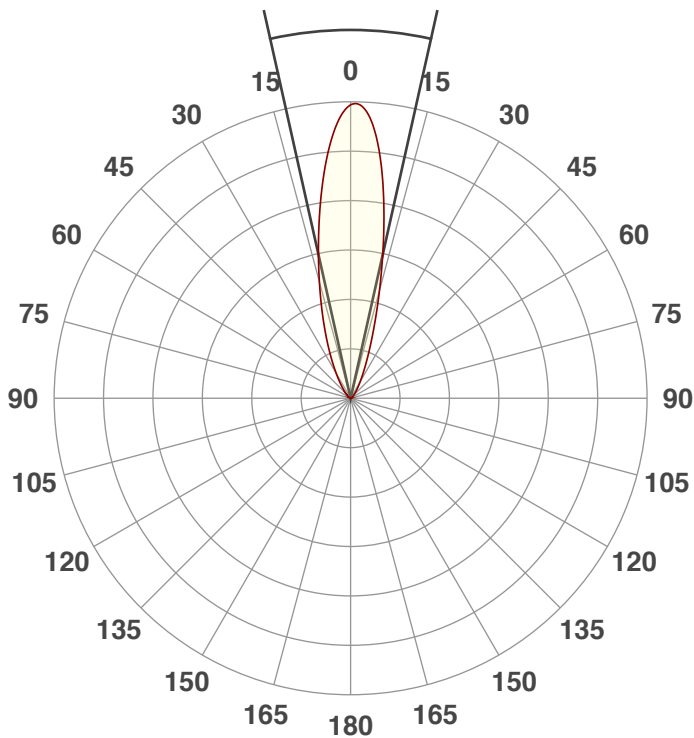
Power: 58.8 W

PF: 0.66



Beam Angle

25.2°



Test:

40Deg WW

Date:

11/26/2018

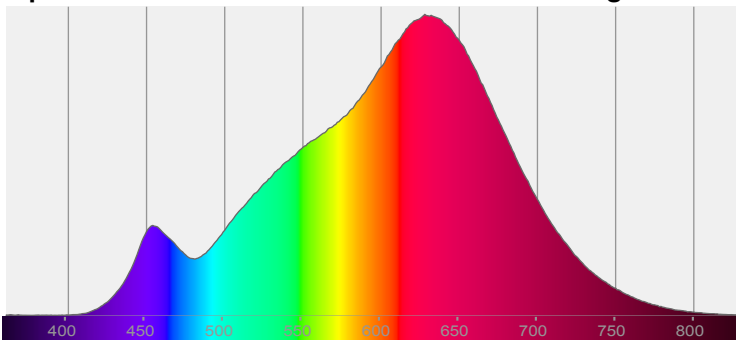
Note:



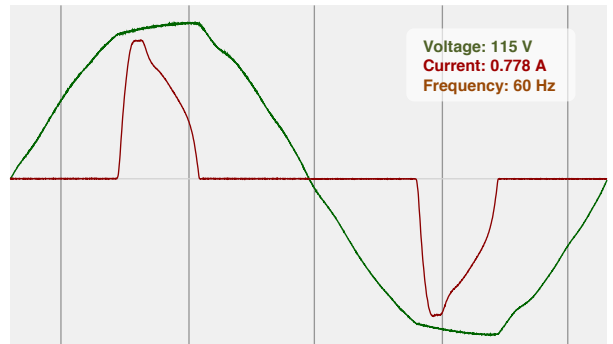
CIE 1931
x: 0.459
y: 0.408

Spectra

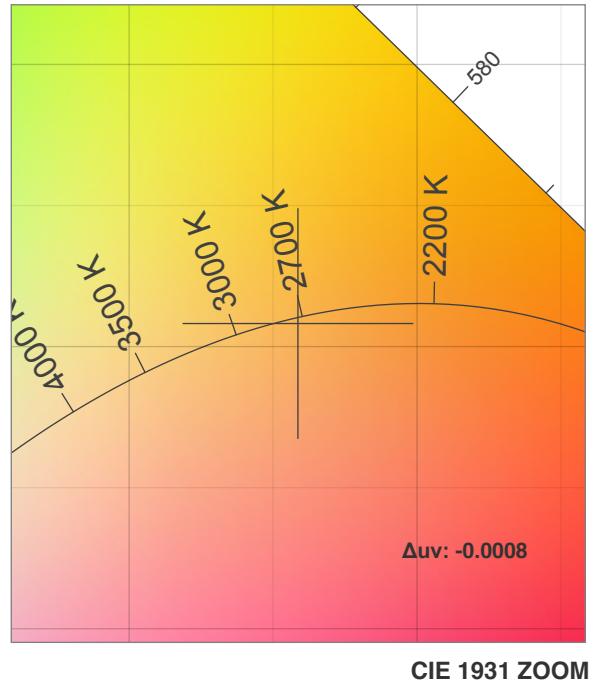
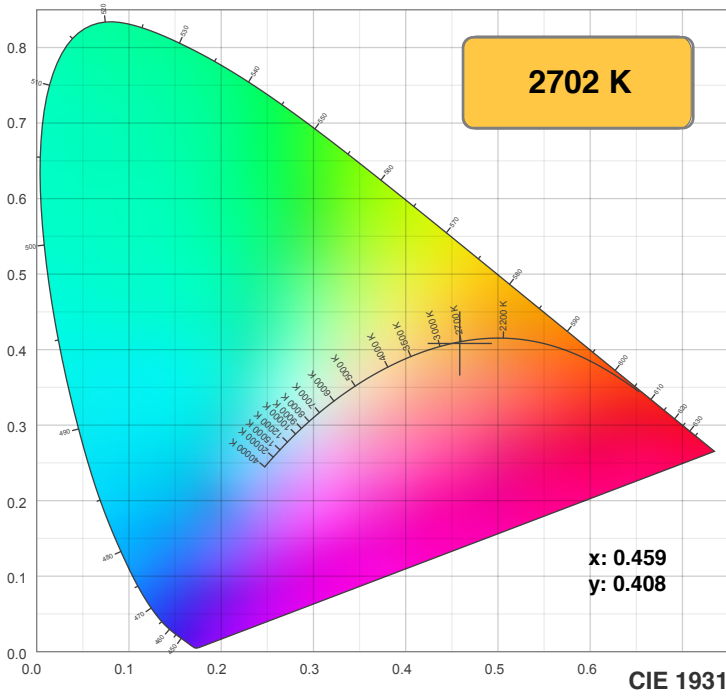
Dominant Wavelength: 585nm



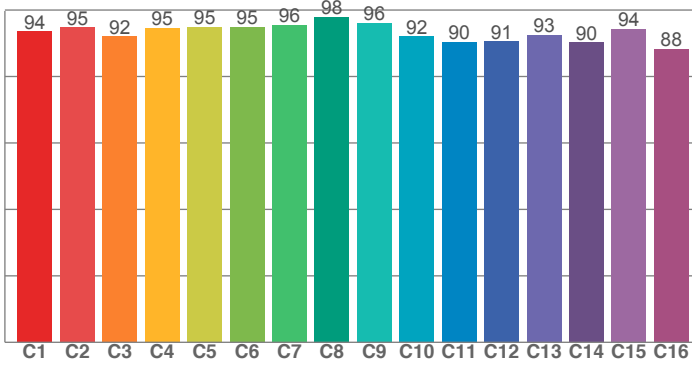
Power



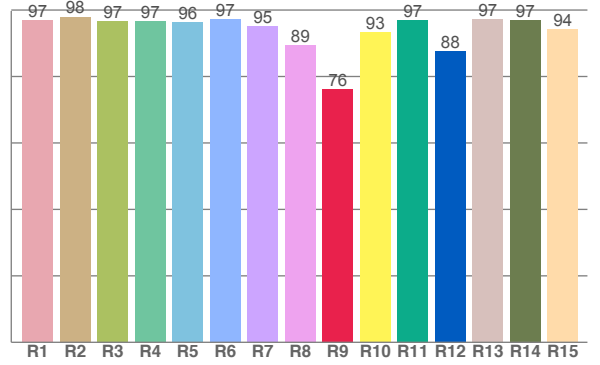
Color Details



TM30: 93.2



CRI: 95.7 (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
96.8	98.0	96.7	96.6	96.2	97.3	95.0	89.4	76.2	93.3	97.0	87.7	97.3	97.0	94.2

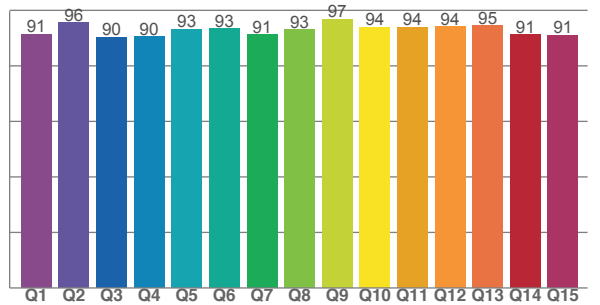
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.6	94.7	92.0	94.6	94.9	94.9	95.6	97.9	96.2	92.1	90.5	90.6	92.6	90.2	94.3	88.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.4	95.6	90.3	90.4	93.3	93.4	91.3	93.0	96.9	94.0	93.9	94.2	94.5	91.3	91.1

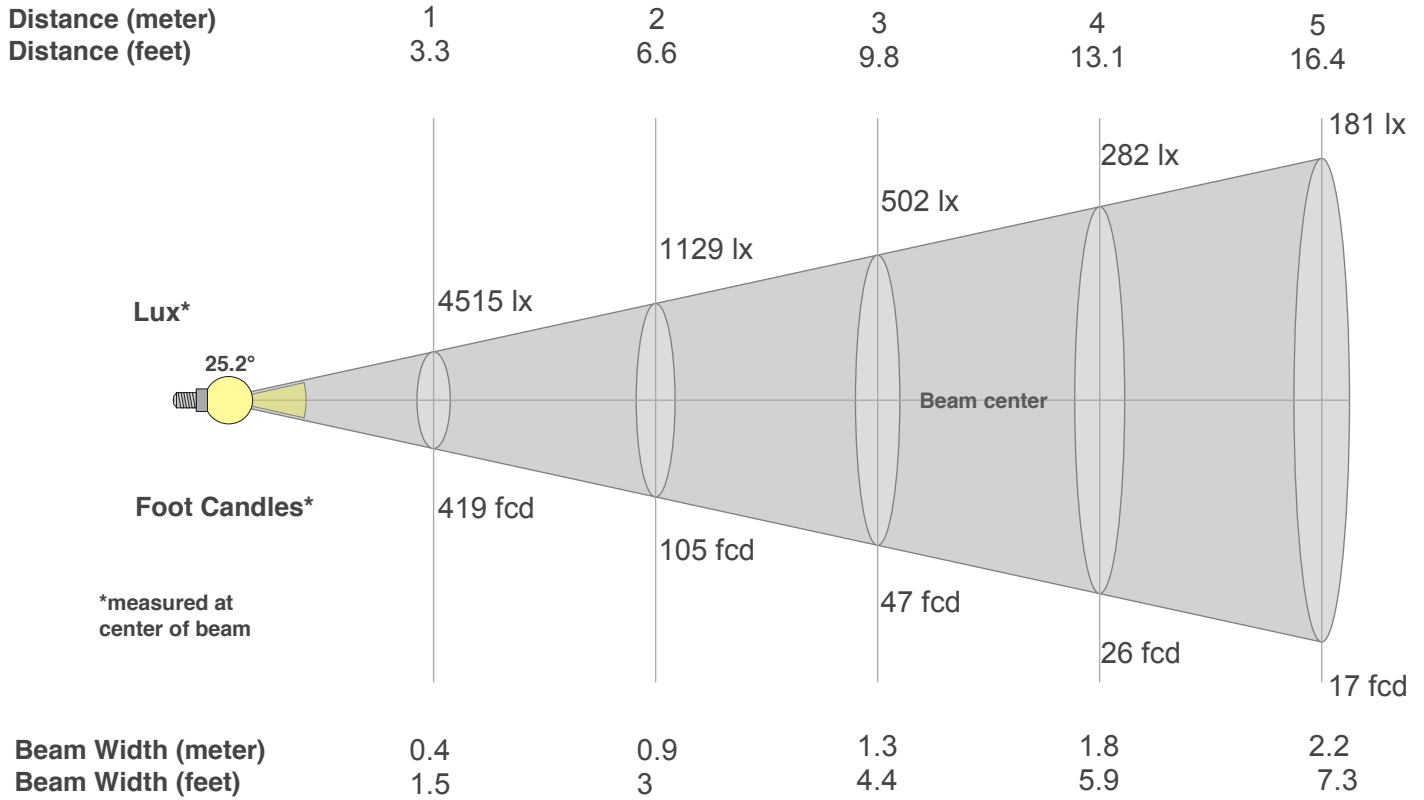
CQS: 92.6



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
2702 K	95.7	76.2	93.2	100.7	92.6	0.459	0.408	0.263	0.351	-0.0008

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	4515	1129	502	282	181	125	92	71	56	45	37	31	27	23	20	18	16	14	13	11
fcd	419.4	104.9	46.6	26.2	16.8	11.7	8.6	6.6	5.2	4.2	3.5	2.9	2.5	2.1	1.9	1.6	1.5	1.3	1.2	1

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°
4515	4346	4038	3645	3213	2784	2383	2024	1706	1429	1191	987	813	667	546	445	363	296	241	198
100%	96%	89%	81%	71%	62%	53%	45%	38%	32%	26%	22%	18%	15%	12%	10%	8%	7%	5%	4%

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°
4515	4346	4038	3645	3213	2784	2383	2024	1706	1429	1191	987	813	667	546	445	363	296	241	198
100%	96%	89%	81%	71%	62%	53%	45%	38%	32%	26%	22%	18%	15%	12%	10%	8%	7%	5%	4%

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°
4515	4510	4321	3964	3489	2954	2423	1935	1523	1188	928	727	575	457	366	295	240	196	161	133
100%	100%	96%	88%	77%	65%	54%	43%	34%	26%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

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°
4515	4510	4321	3964	3489	2954	2423	1935	1523	1188	928	727	575	457	366	295	240	196	161	133
100%	100%	96%	88%	77%	65%	54%	43%	34%	26%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25.2°	55.9°	83.5°	98.7%	94.1%