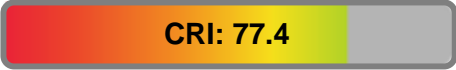


Color Temperature:



**Total Lumen Output:**  
**20714 lm**

Light Quality:

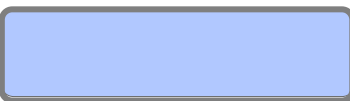


**Peak:**  
**101356 cd**

Light Efficiency:



**Power: 974 W**



CIE 1931  
x: 0.280  
y: 0.260

**Test: Full On**

**Date: 10/17/2018**

**Voltage: 116 V**

**Current: 8.40 A**

**Frequency: 60 Hz**

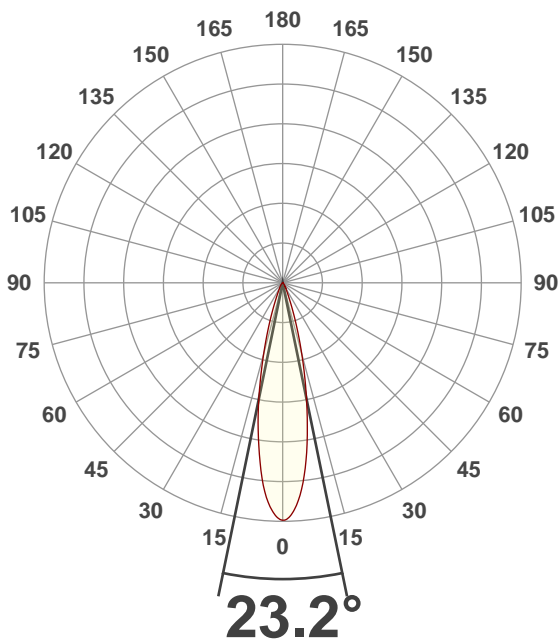
**CRI: 77.4**

**CQS: 86.9**

**TM30: 77.3**

**Note:**

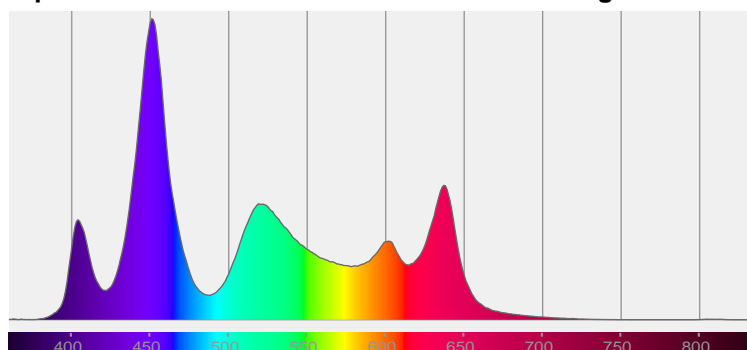
**Beam Angle**



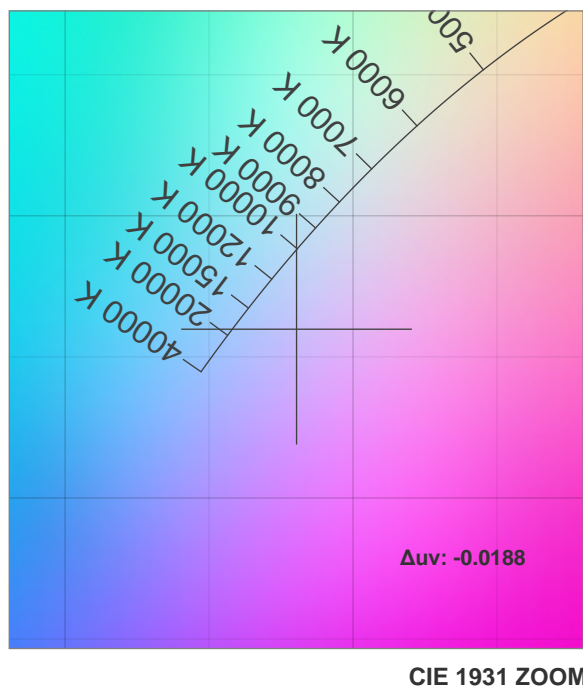
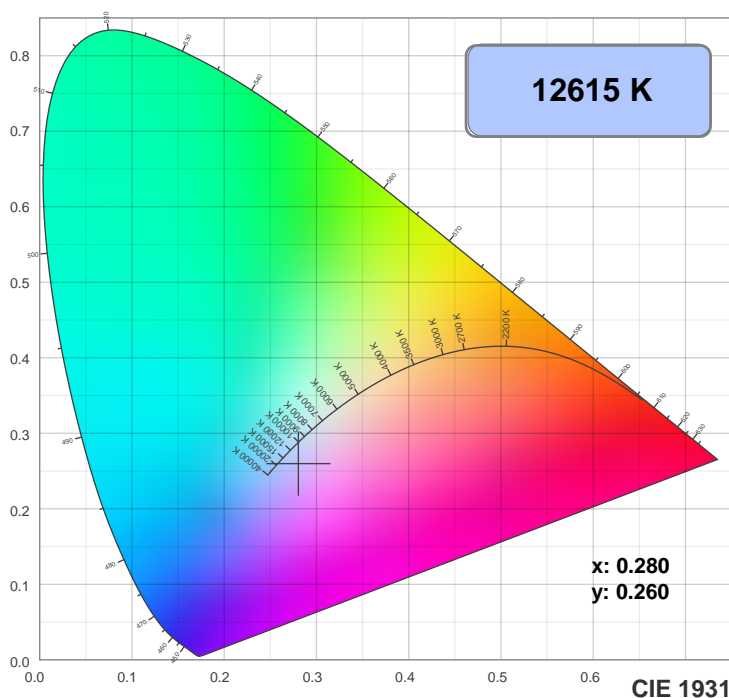
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
23.2°	42.1°	61.2°

**Spectra**

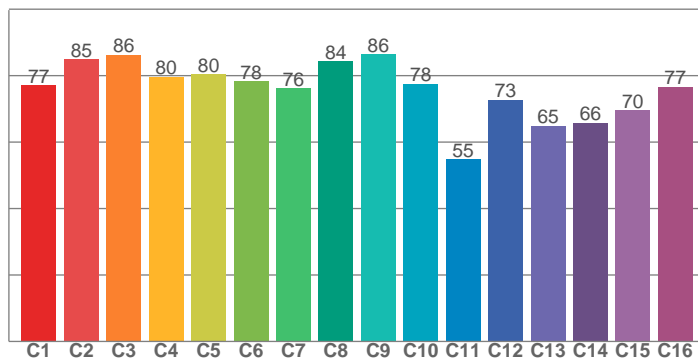
**Dominant Wavelength: 440nm**



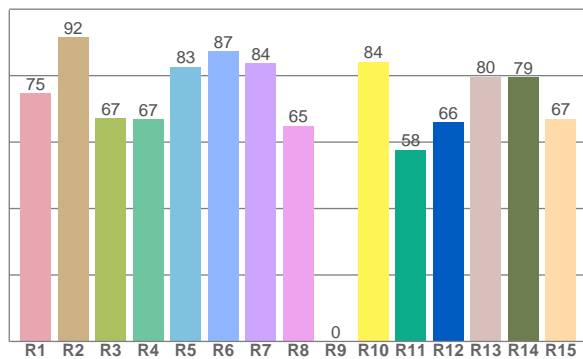
## Color Details



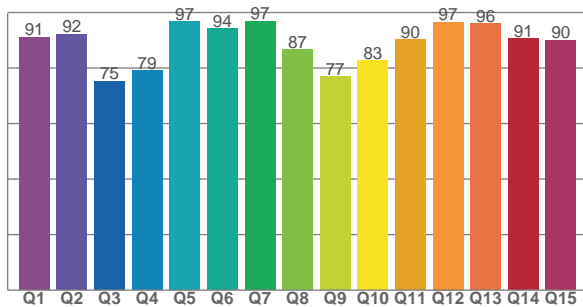
**TM30: 77.3**



**CRI: 77.4 (R1-R8)**



**CQS: 86.9**



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
74.7	91.5	67.3	66.9	82.6	87.3	83.8	64.9	0.0	84.1	57.7	65.9	79.7	79.5	67.1

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
77.0	85.0	86.2	79.7	80.4	78.3	76.1	84.3	86.4	77.5	54.8	72.7	64.9	65.8	69.6	76.6

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.1	92.1	75.2	79.1	96.7	94.2	96.9	86.7	76.9	82.6	90.1	96.6	96.0	90.5	90.0

## 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
12615 K	77.4	0.0	77.3	112.6	86.9	0.280	0.260	0.202	0.281	-0.0188

## TM30 Details

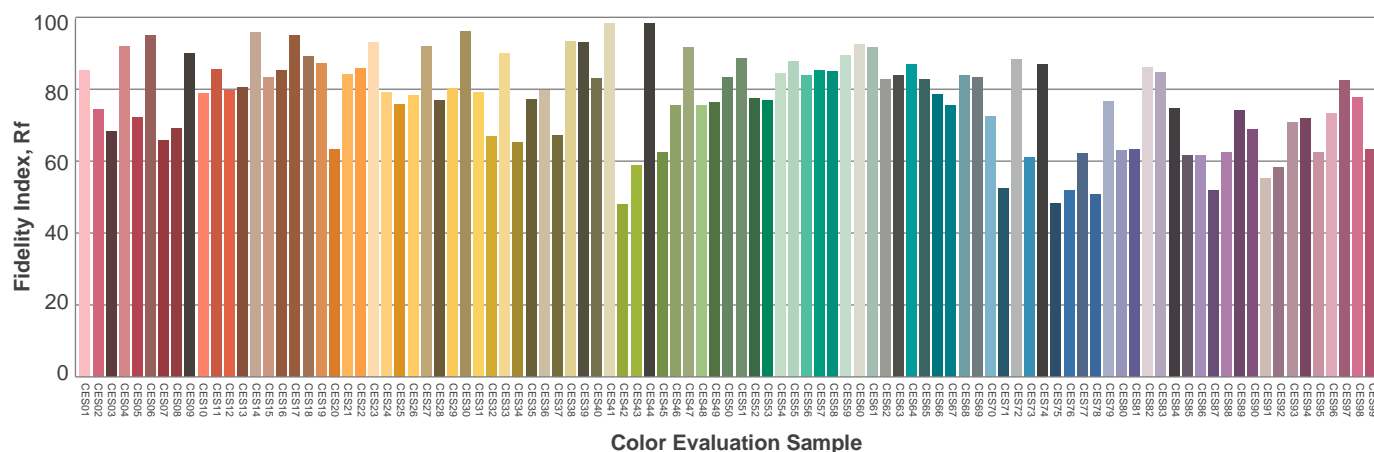
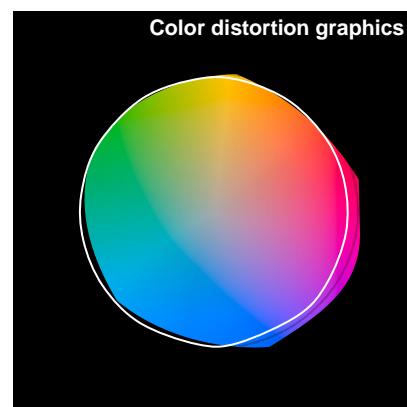
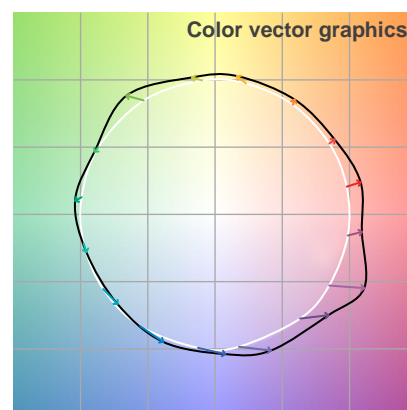
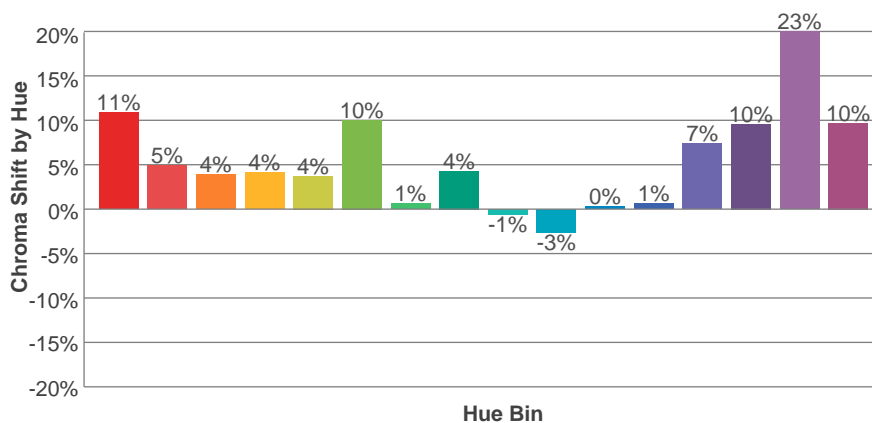
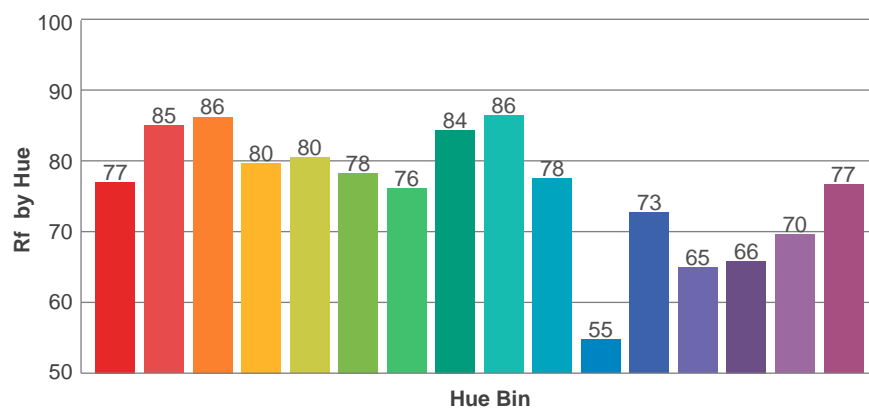
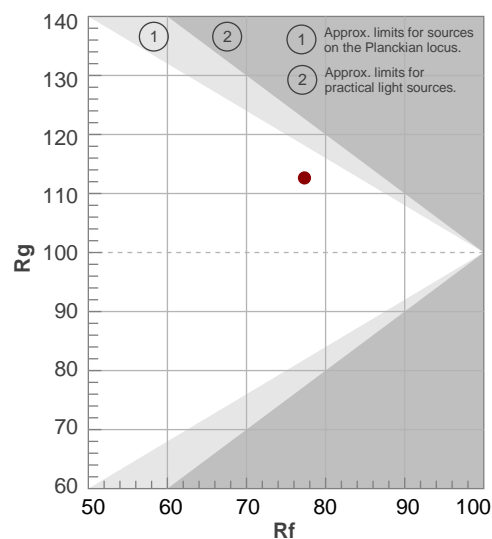
## Rf 77.3

### Fidelity Index Rf

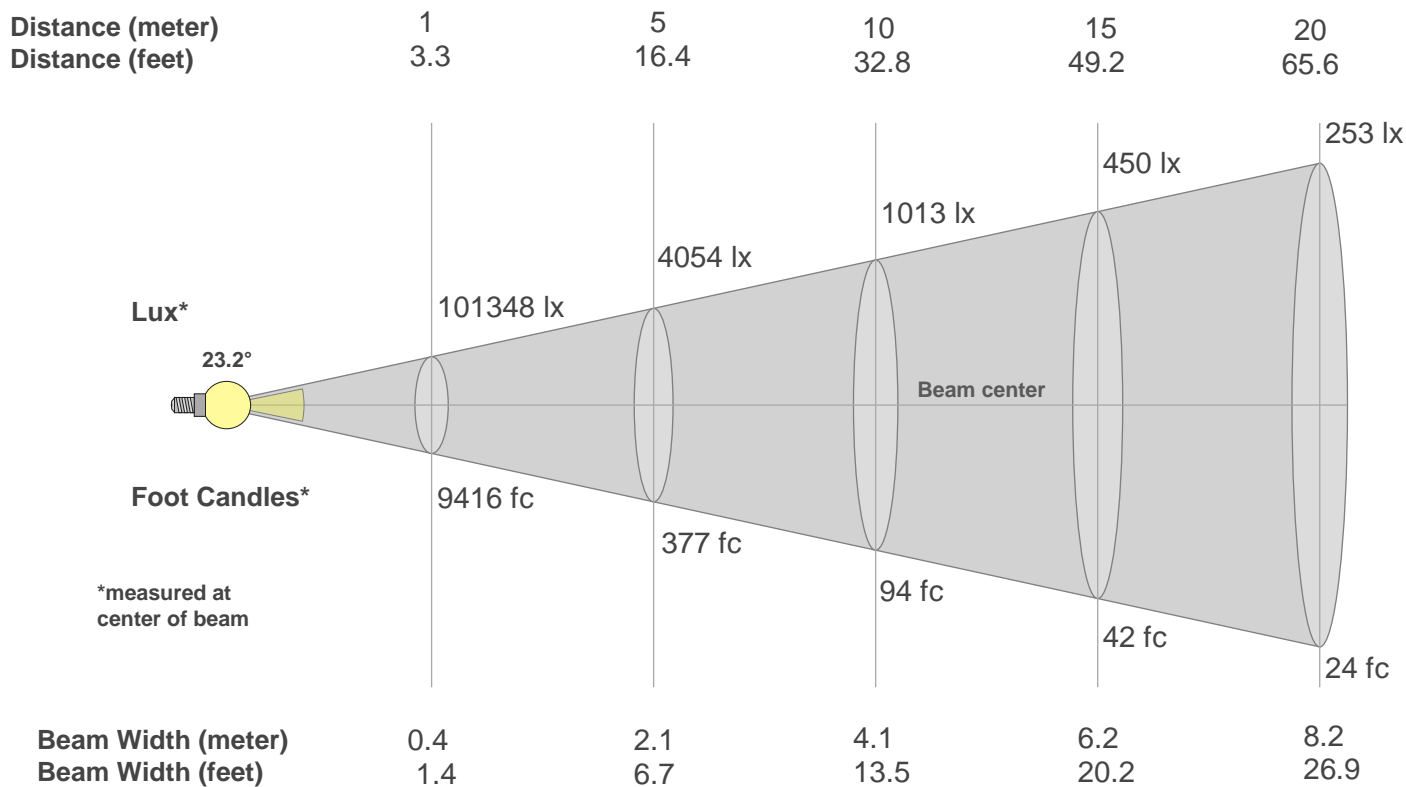
## Rg 112.6

## Gamut Index Rg

		Graphic shifts (%)	
Hue Bin	$R_f$	Chroma	Hue
1	77	11%	1%
2	85	5%	0%
3	86	4%	1%
4	80	4%	7%
5	80	4%	7%
6	78	10%	9%
7	76	1%	5%
8	84	4%	3%
9	86	-1%	7%
10	78	-3%	15%
11	55	0%	21%
12	73	1%	21%
13	65	7%	23%
14	66	10%	19%
15	70	23%	13%
16	77	10%	5%



## Beam Details



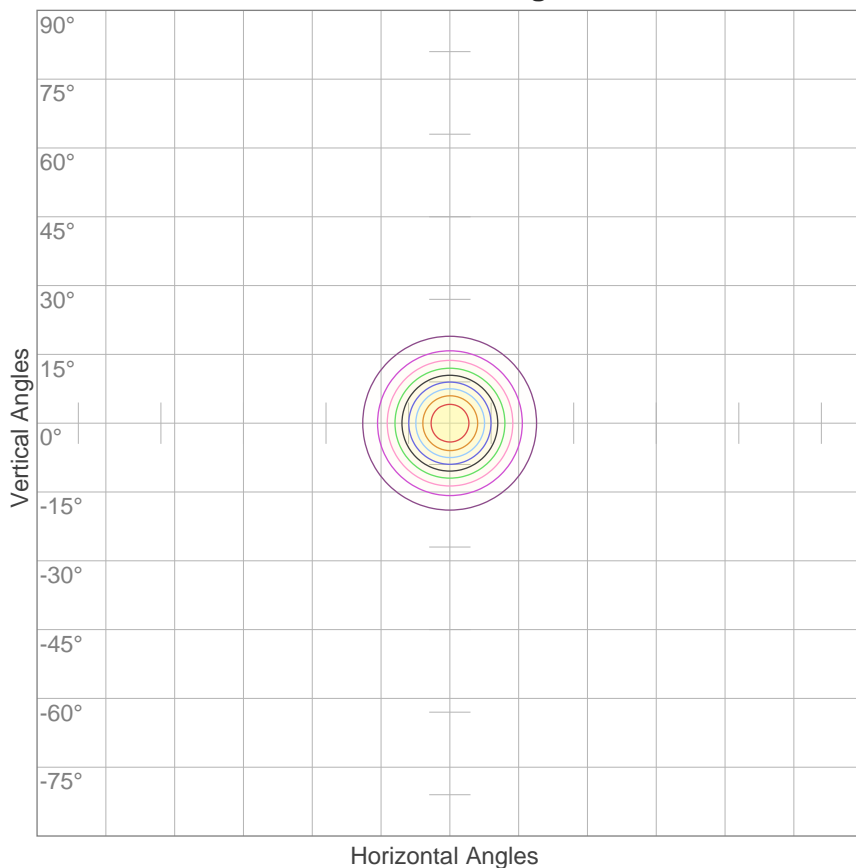
### Beam Intensities from 1-20m

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	101348	25337	11261	6334	4054	2815	2068	1584	1251	1013	838	704	600	517	450	396	351	313	281	253
fc	9415.5	2353.9	1046.2	588.5	376.6	261.5	192.2	147.1	116.2	94.2	77.8	65.4	55.7	48	41.8	36.8	32.6	29.1	26.1	23.5

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
23.2°	42.1°	61.2°	99.9%	98.0%

## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

