

## Photometric / Colorimetric / Electric Report

Fixture Model:

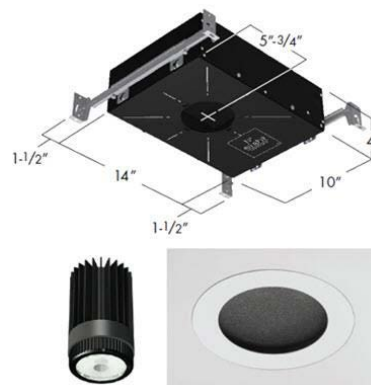
804S-K2S-WD-2-15-DIM1-8-350-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH-NL

Date:

3/31/2022



Light efficiency:

64 Lumen/Watt

Light quality:

CRI: 96.9

Color temperature:

2885 K

CIE 1931:

x: 0.443  
y: 0.402

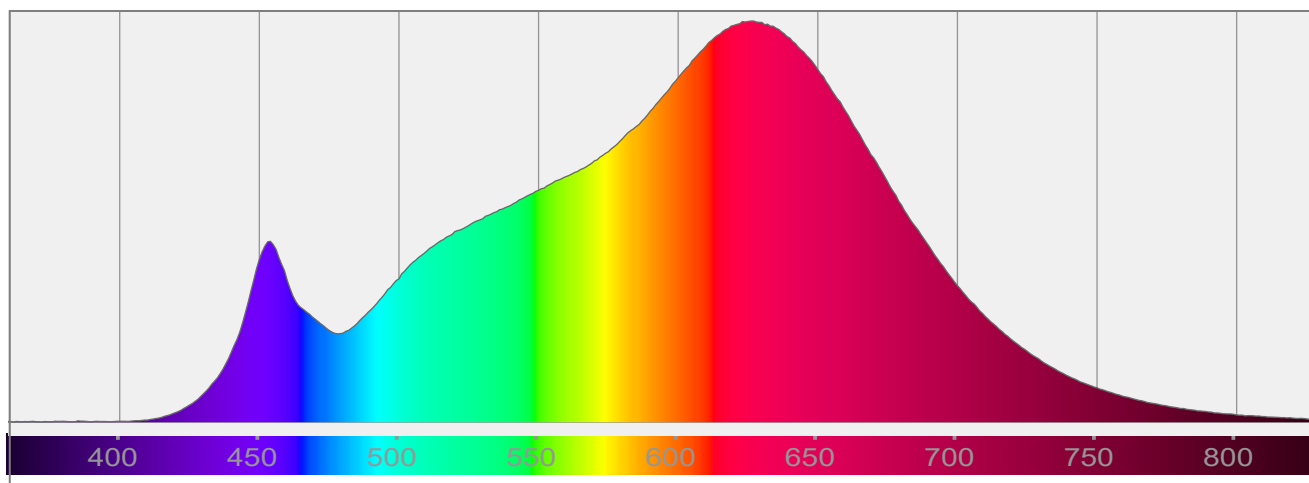
Output: 932 lm

Peak: 3857 cd

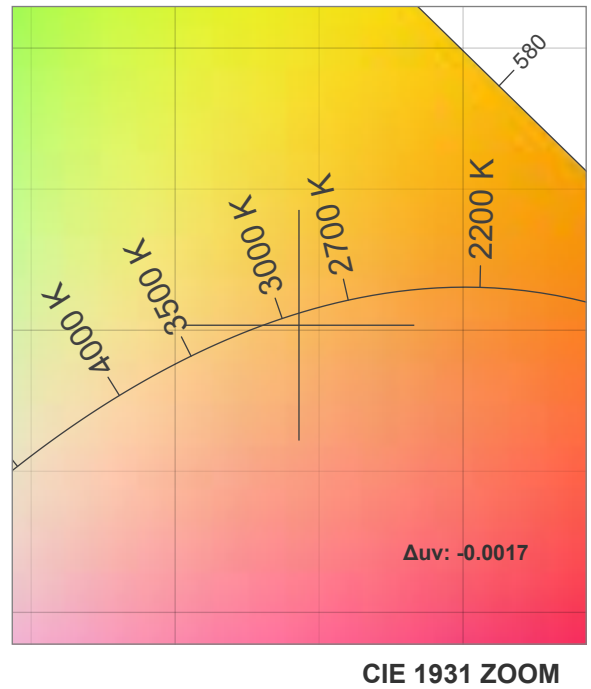
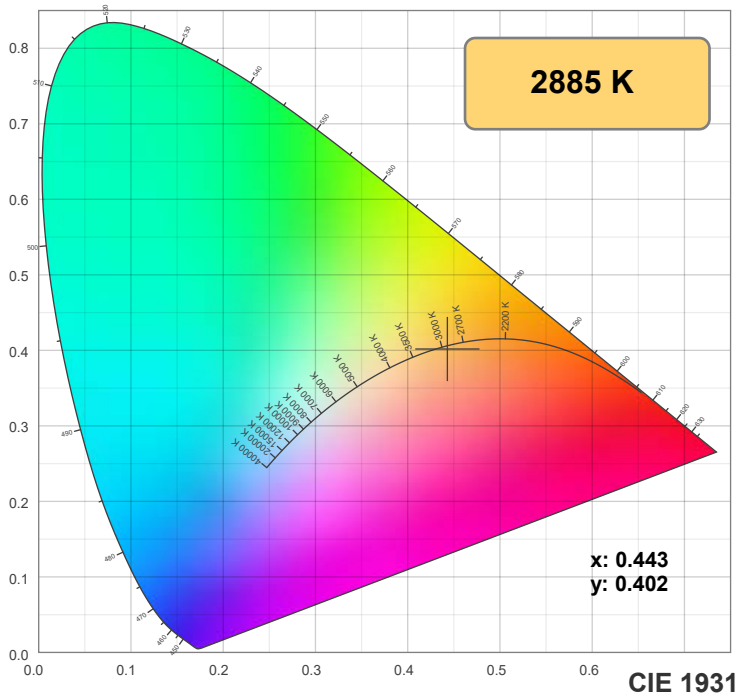
Power: 14.6 W

PF: 0.99

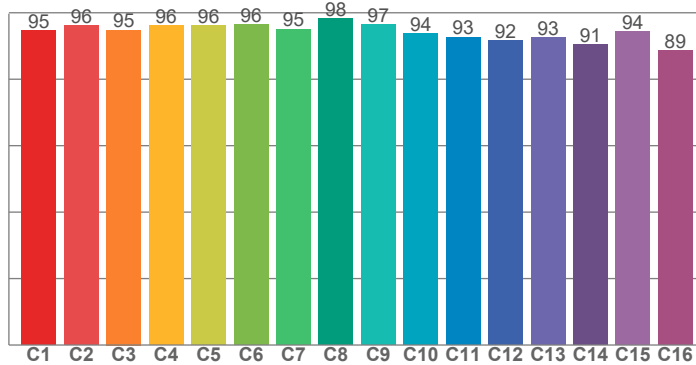
Spectra:



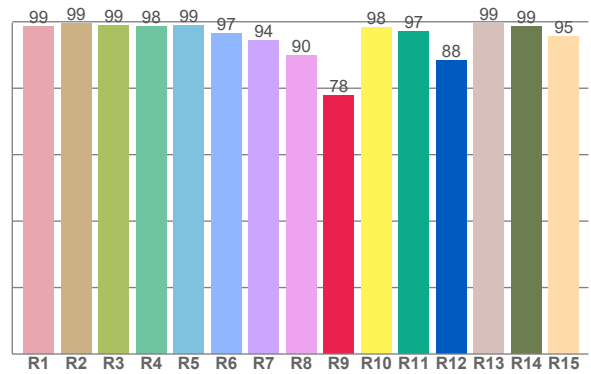
## Color Details



**TM-30: 94.4**



**CRI: 96.9 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.7	99.4	98.9	98.5	98.8	96.6	94.5	89.8	77.8	98.4	97.2	88.4	99.4	98.6	95.5

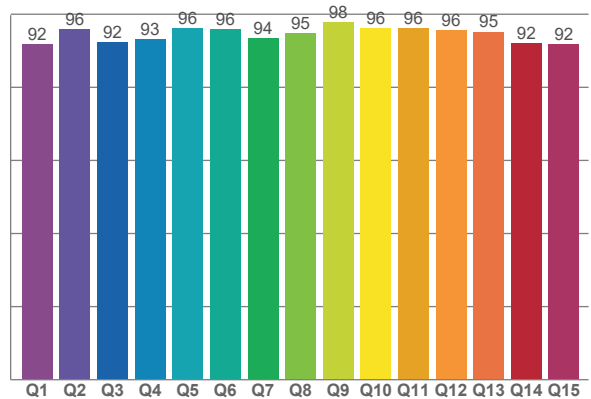
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.6	96.1	94.8	96.1	96.1	96.4	95.1	98.2	96.5	93.8	92.7	91.6	92.6	90.5	94.4	88.7

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.9	95.9	92.2	93.1	96.2	96.0	93.5	94.7	97.7	96.1	96.1	95.7	95.2	92.1	91.9

**CQS: 94.1**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2885 K	96.9	77.8	94.4	100.6	94.1	0.443	0.402	0.256	0.348	-0.0017

## TM-30 Details

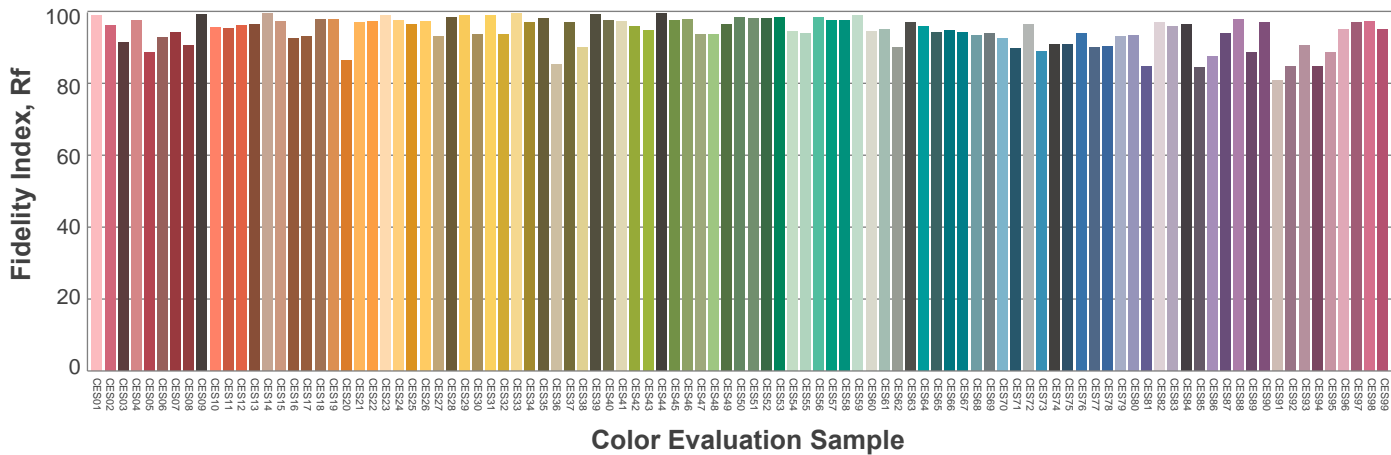
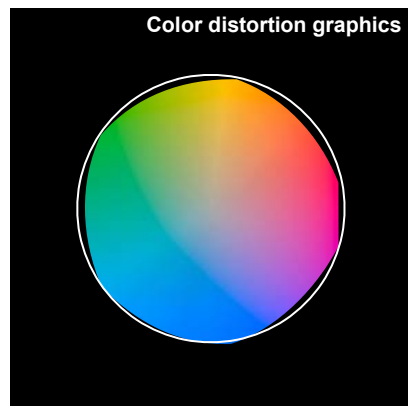
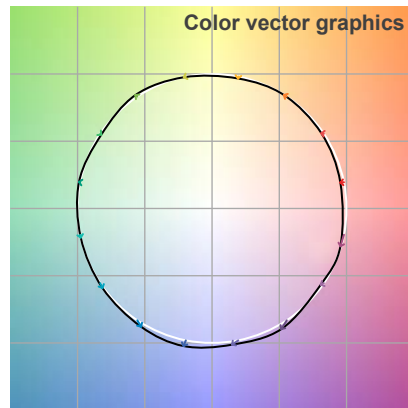
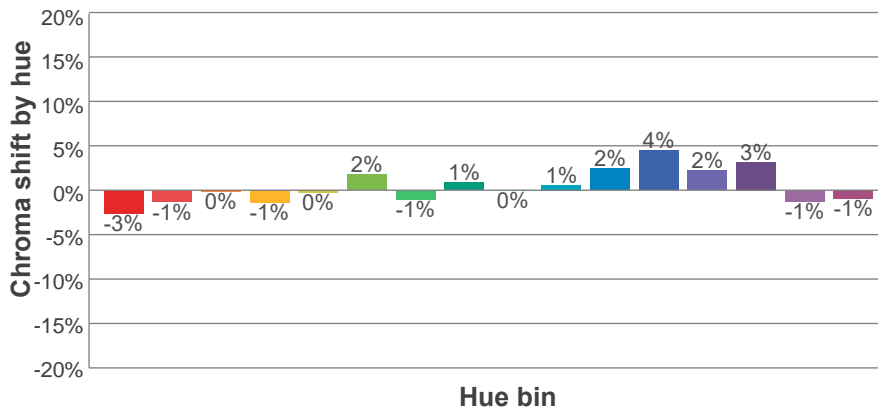
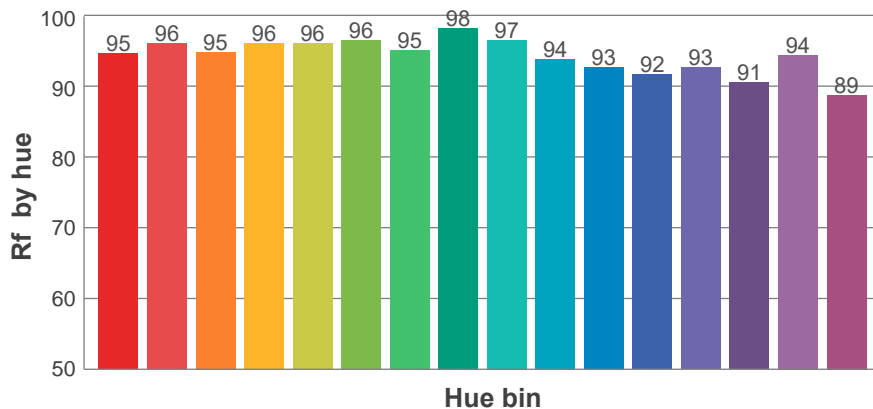
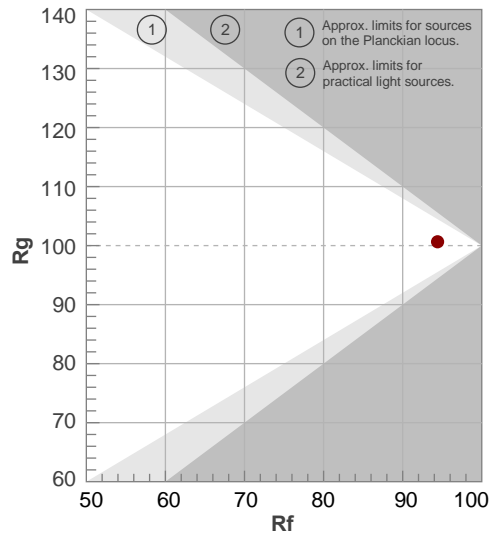
## Rf 94.4

Fidelity index  $R_f$

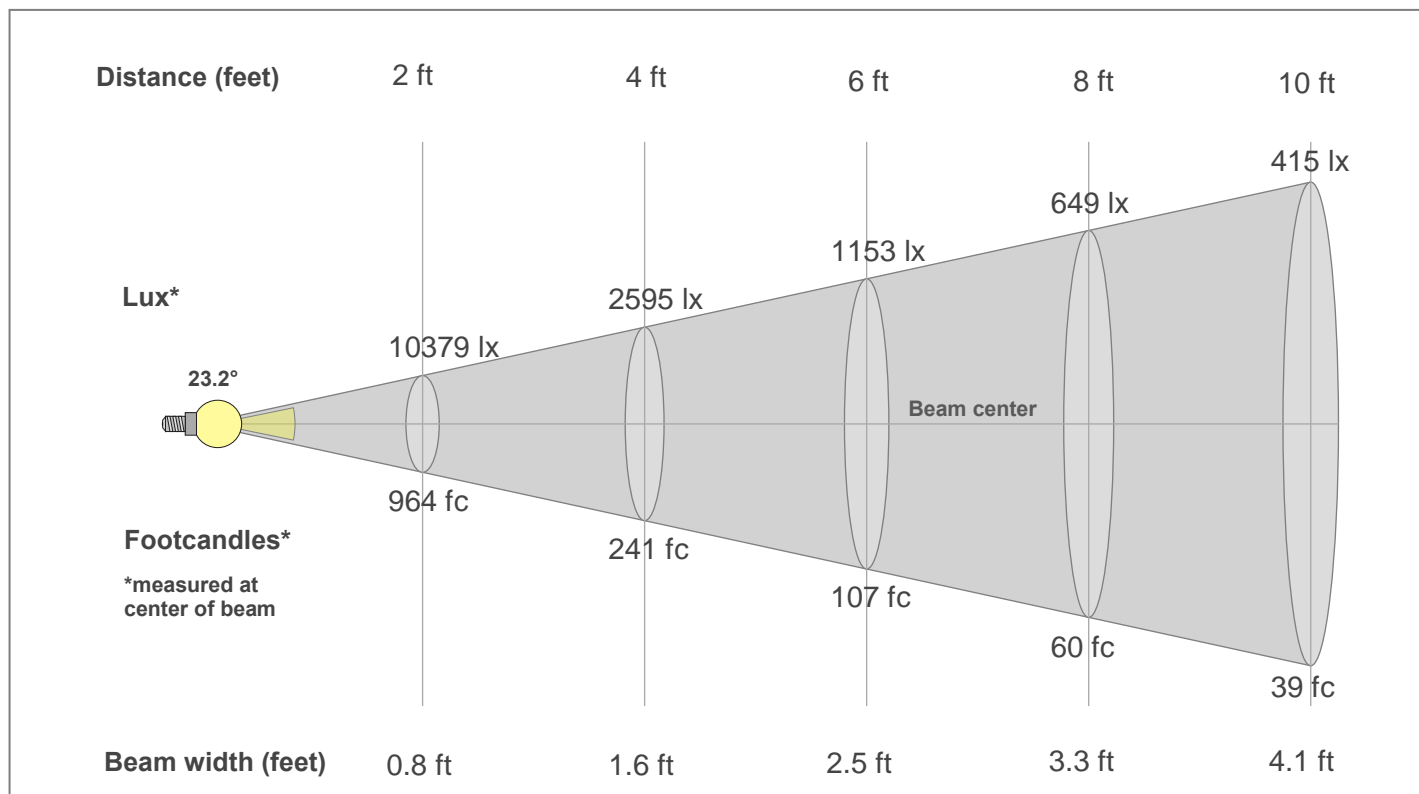
**Rg 100.6**

## Gamut index Rg

		Shifts (%)	
Hue Bin	$R_f$	Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	95	0%	2%
4	96	-1%	0%
5	96	0%	2%
6	96	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	97	0%	2%
10	94	1%	4%
11	93	2%	5%
12	92	4%	-1%
13	93	2%	-5%
14	91	3%	-7%
15	94	-1%	-2%
16	89	-1%	-9%



## Beam Details



### Beam Intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
3857lx	964lx	429lx	241lx	154lx	107lx	79lx	60lx	48lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
358.3fc	89.6fc	39.8fc	22.4fc	14.3fc	10fc	7.3fc	5.6fc	4.4fc	3.6fc	3fc	2.5fc	2.1fc	1.8fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc	0.9fc

### 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°
3857	3791	3583	3243	2800	2310	1840	1431	1108	860	667	519	405	317	251	201	160	128	102	83
100%	98%	93%	84%	73%	60%	48%	37%	29%	22%	17%	13%	10%	8%	7%	5%	4%	3%	3%	2%

### 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°
3857	3791	3583	3243	2800	2310	1840	1431	1108	860	667	519	405	317	251	201	160	128	102	83
100%	98%	93%	84%	73%	60%	48%	37%	29%	22%	17%	13%	10%	8%	7%	5%	4%	3%	3%	2%

### 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°
3857	3791	3583	3243	2800	2310	1840	1431	1108	860	667	519	405	317	251	201	160	128	102	83
100%	98%	93%	84%	73%	60%	48%	37%	29%	22%	17%	13%	10%	8%	7%	5%	4%	3%	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°
3857	3791	3583	3243	2800	2310	1840	1431	1108	860	667	519	405	317	251	201	160	128	102	83
100%	98%	93%	84%	73%	60%	48%	37%	29%	22%	17%	13%	10%	8%	7%	5%	4%	3%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.2°	48.8°	73.2°	99.4%	97.4%