

## Photometric / Colorimetric / Electric Report

Fixture Model:

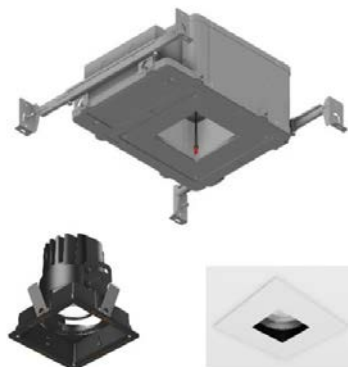
200-HD-IC-S-HI3500-15-EL1-2-500-FLS-2

Trim Model:

FLS-2-WH

Date:

8/10/2022



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3455 K

CIE 1931:

x: 0.407  
y: 0.389

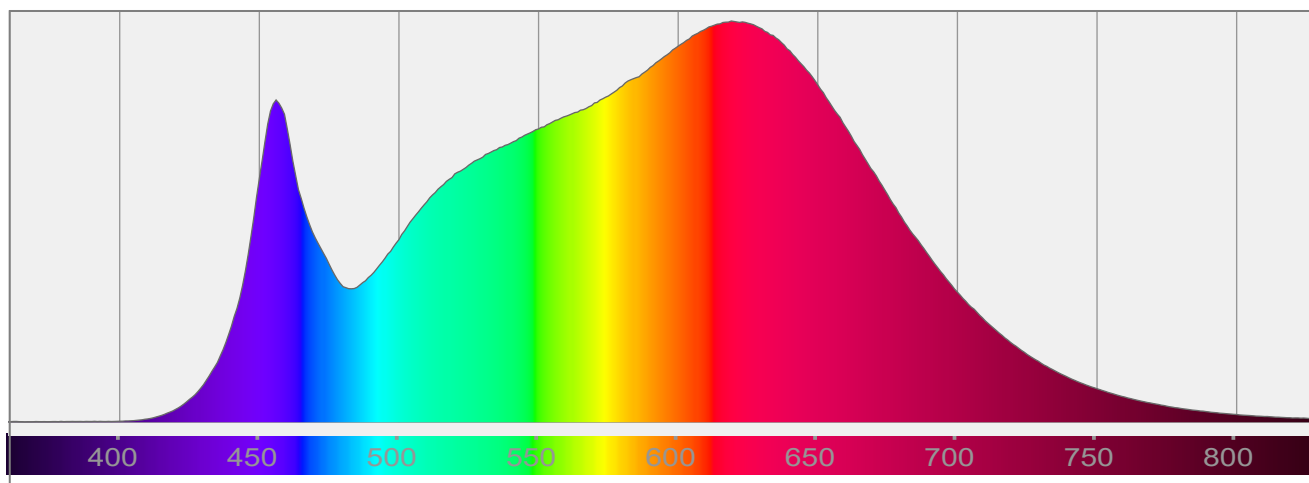
Output: 1203 lm

Peak: 8051 cd

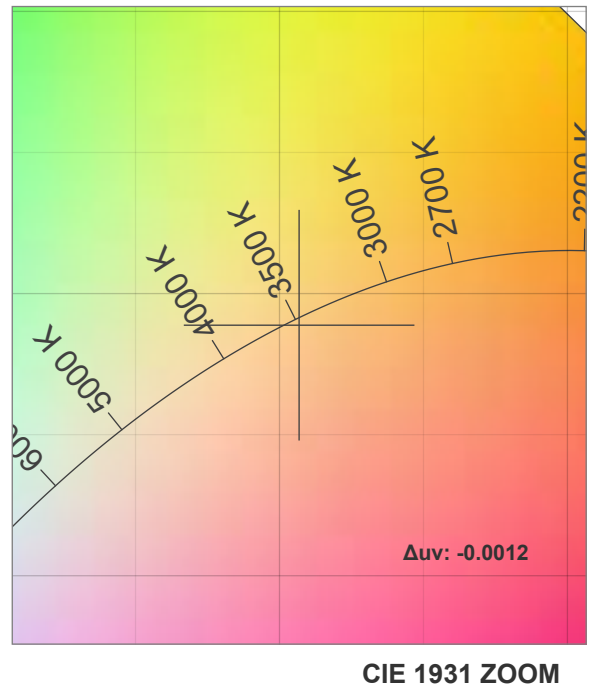
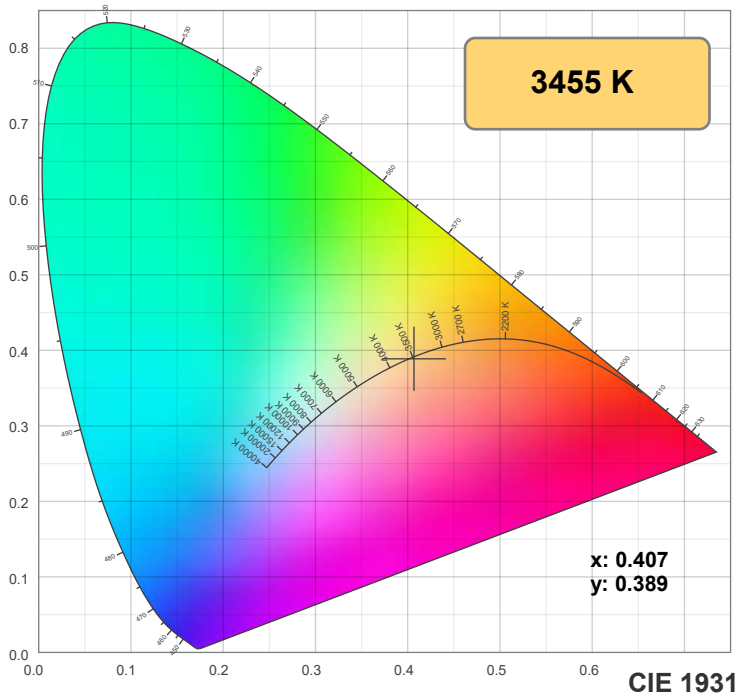
Power: 19.5 W

PF: 0.98

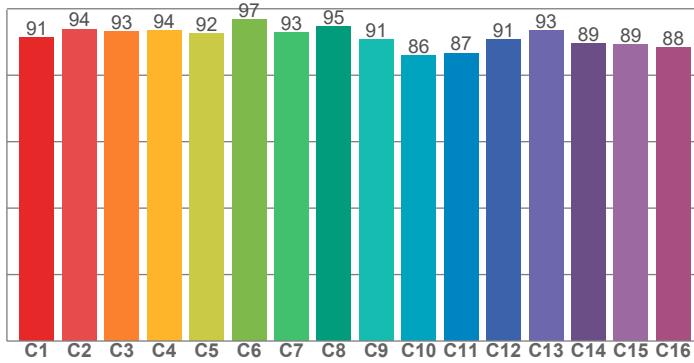
Spectra:



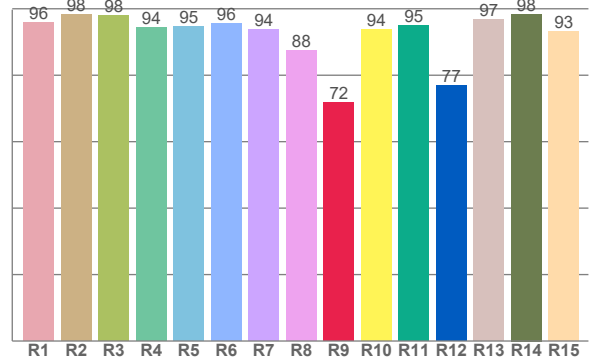
## Color Details



**TM-30: 91.3**



**CRI: 94.8 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.8	98.2	98.1	94.4	94.6	95.7	93.8	87.6	71.7	93.9	95.0	76.9	96.9	98.4	93.1

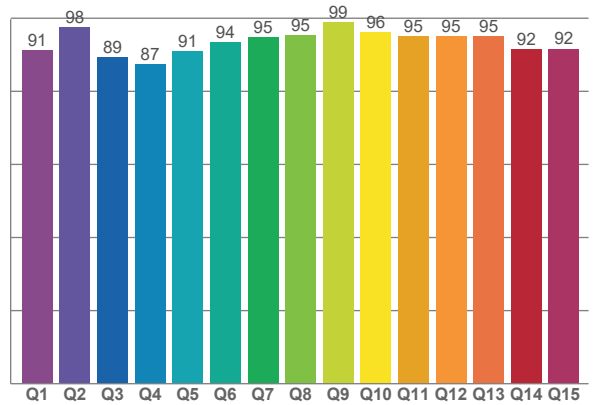
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.3	93.9	93.2	93.5	92.4	96.8	92.9	94.6	90.8	85.9	86.7	90.7	93.4	89.5	89.3	88.3

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.3	97.6	89.2	87.5	90.9	93.5	94.8	95.2	99.0	96.1	95.2	95.0	95.1	91.5	91.7

**CQS: 92.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3455 K	94.8	71.7	91.3	98.3	92.9	0.407	0.389	0.237	0.340	-0.0012

# TM-30 Details

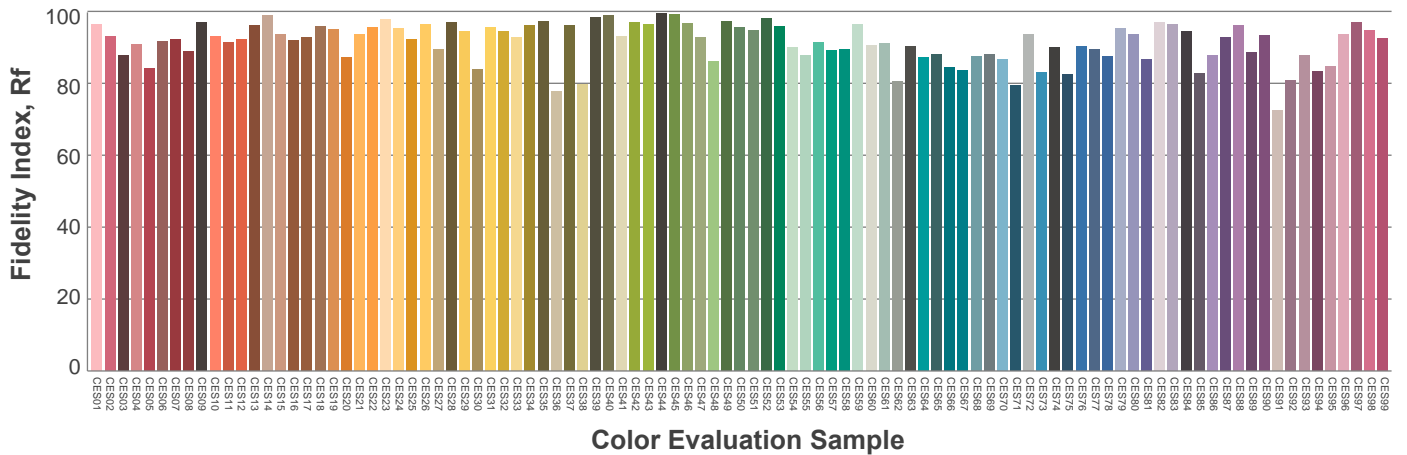
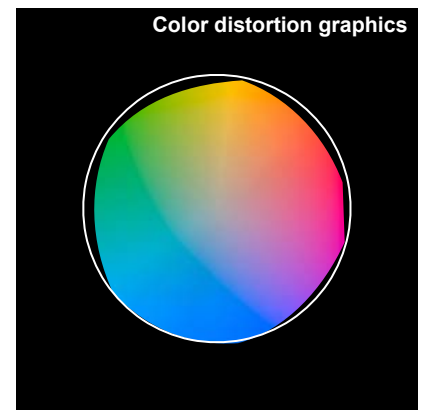
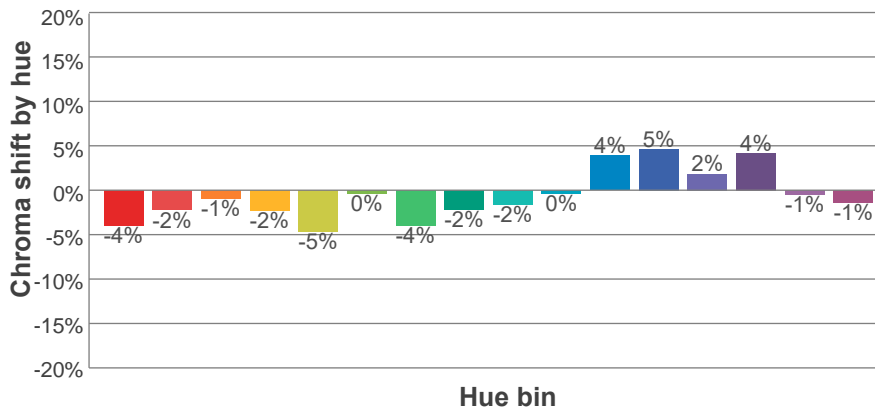
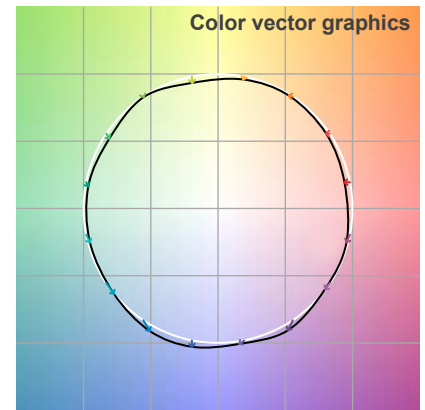
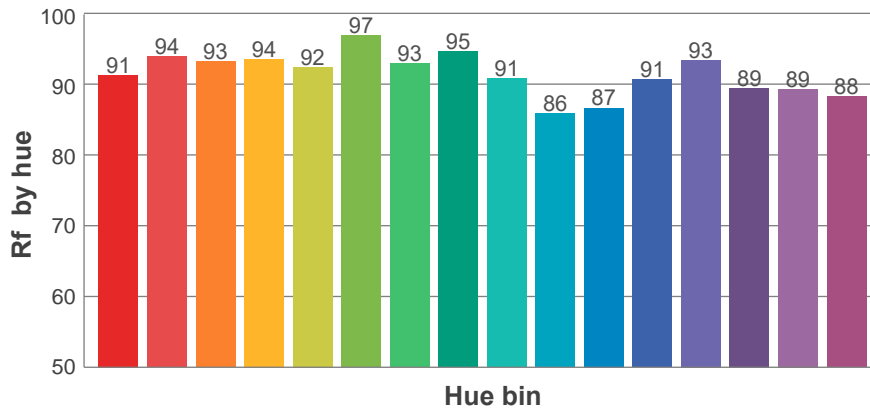
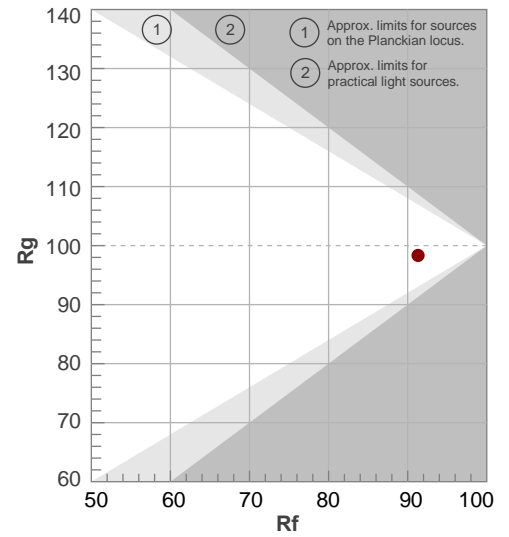
**Rf 91.3**

Fidelity index Rf

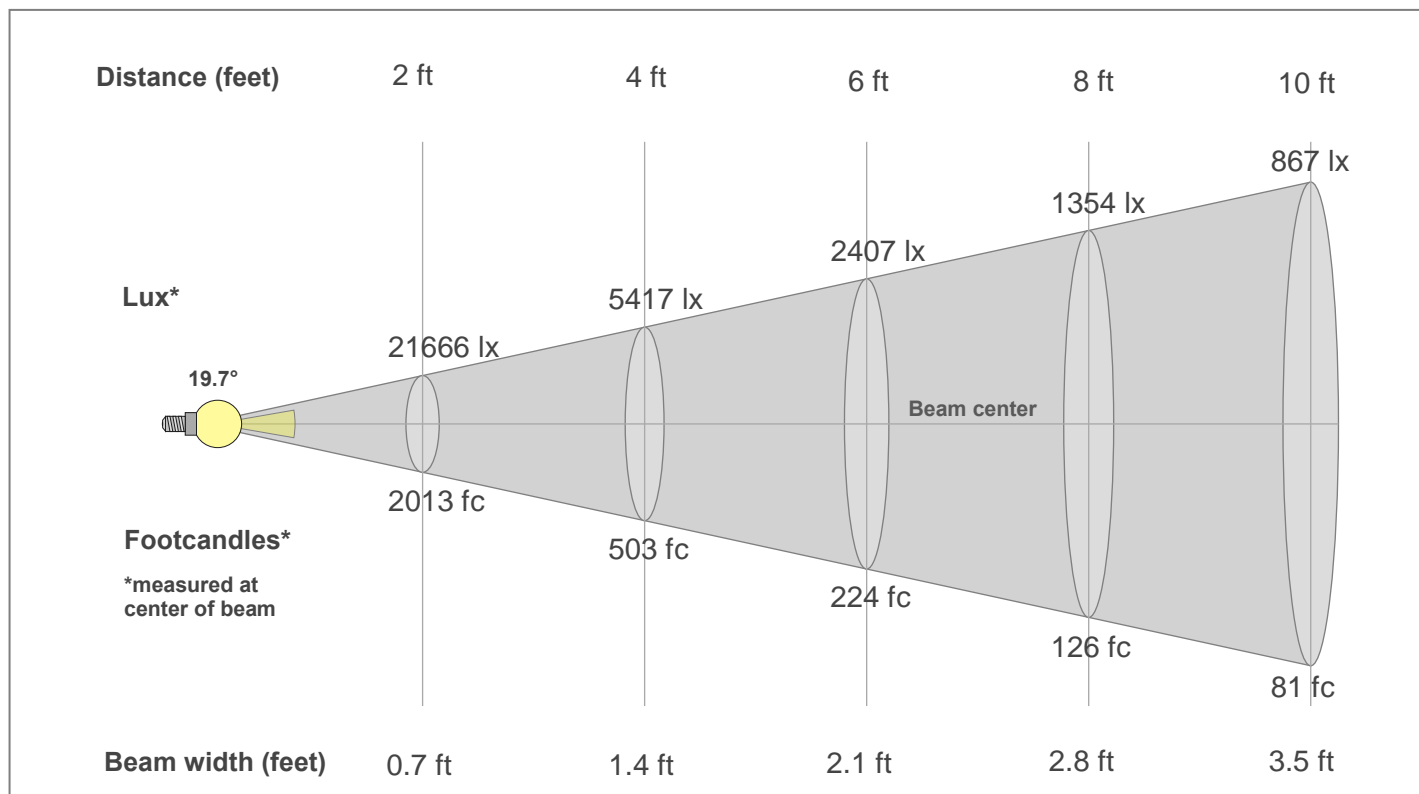
**Rg 98.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	94	-2%	2%
3	93	-1%	3%
4	94	-2%	0%
5	92	-5%	1%
6	97	0%	0%
7	93	-4%	2%
8	95	-2%	3%
9	91	-2%	6%
10	86	0%	10%
11	87	4%	8%
12	91	5%	1%
13	93	2%	-4%
14	89	4%	-7%
15	89	-1%	-6%
16	88	-1%	-6%



## 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
8051lx	2013lx	895lx	503lx	322lx	224lx	164lx	126lx	99lx	81lx	67lx	56lx	48lx	41lx	36lx	31lx	28lx	25lx	22lx	20lx
748fc	187fc	83.1fc	46.8fc	29.9fc	20.8fc	15.3fc	11.7fc	9.2fc	7.5fc	6.2fc	5.2fc	4.4fc	3.8fc	3.3fc	2.9fc	2.6fc	2.3fc	2.1fc	1.9fc

### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8051	7991	7826	7544	7143	6651	6097	5518	4968	4453	3953	3462	2987	2550	2164	1825	1526	1259	1024	825
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	32%	27%	23%	19%	16%	13%	10%

### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8051	7991	7826	7544	7143	6651	6097	5518	4968	4453	3953	3462	2987	2550	2164	1825	1526	1259	1024	825
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	32%	27%	23%	19%	16%	13%	10%

### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8051	7991	7826	7544	7143	6651	6097	5518	4968	4453	3953	3462	2987	2550	2164	1825	1526	1259	1024	825
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	32%	27%	23%	19%	16%	13%	10%

### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8051	7991	7826	7544	7143	6651	6097	5518	4968	4453	3953	3462	2987	2550	2164	1825	1526	1259	1024	825
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	32%	27%	23%	19%	16%	13%	10%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
19.7°	38.2°	50.9°	99.5%	99.4%