

## Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-S-HI3500-40-EL1-2-650-FLS-2-BV-NIC

Trim Model:

FLS-2-BV-WH

Date:

8/9/2022



Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 94.4

Color temperature:

3499 K

CIE 1931:

x: 0.404  
y: 0.387

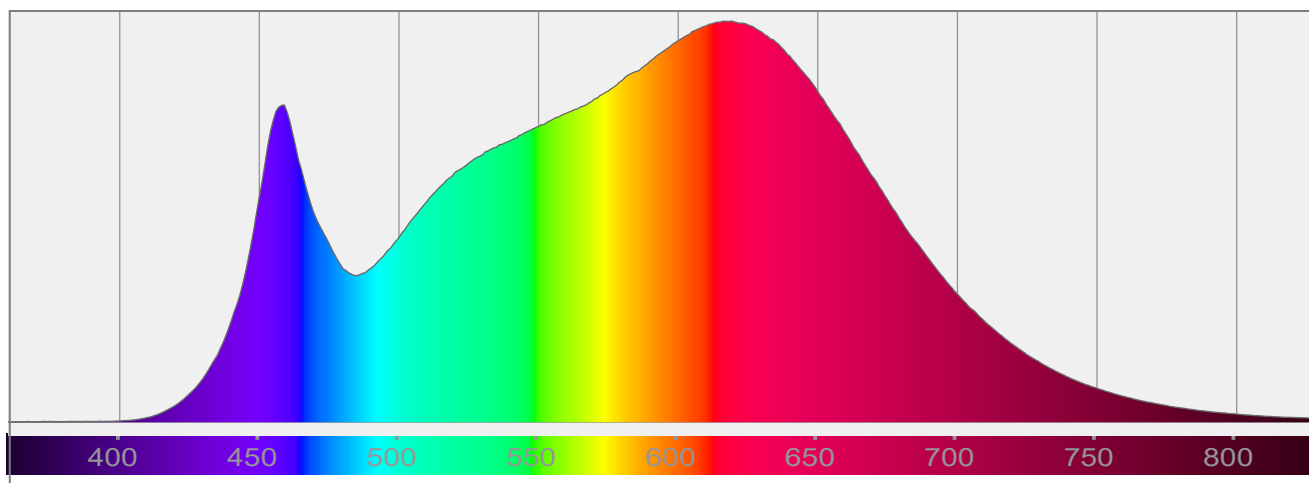
Output: 1953 lm

Peak: 3744 cd

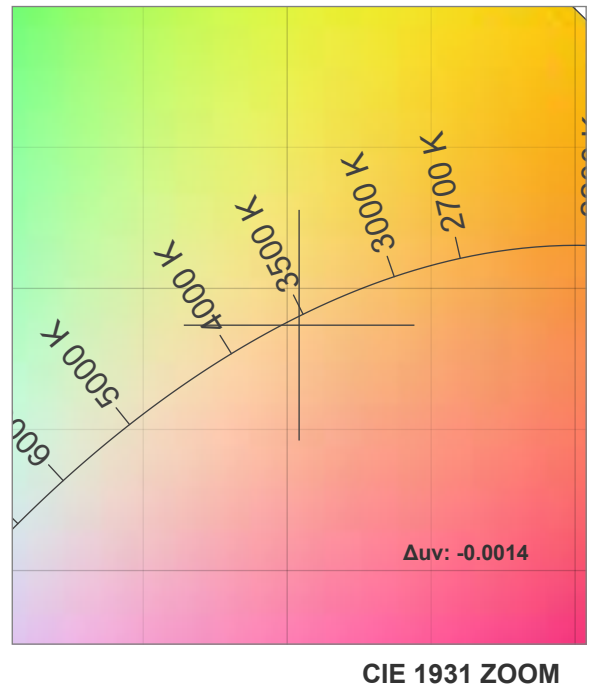
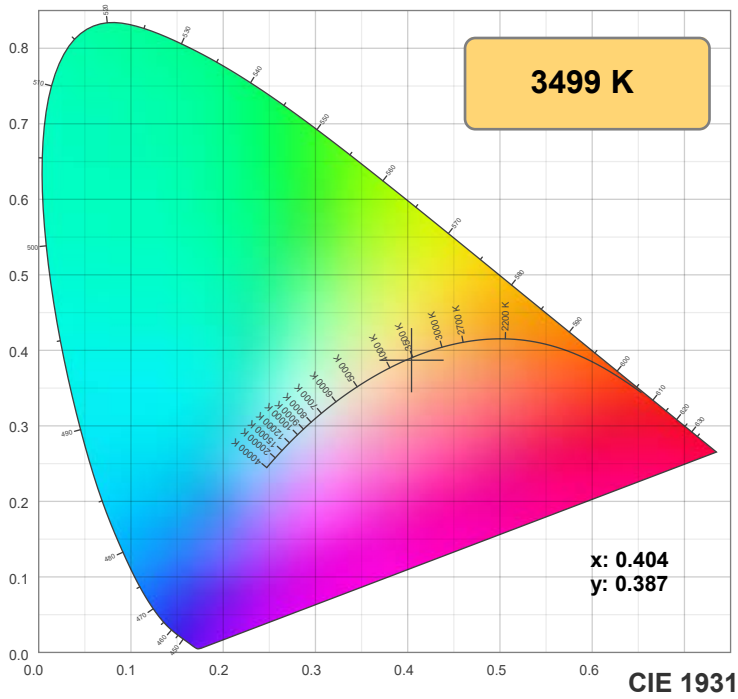
Power: 26.1 W

PF: 0.98

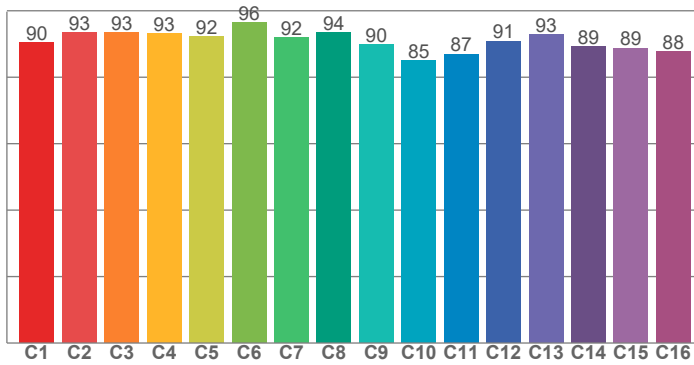
Spectra:



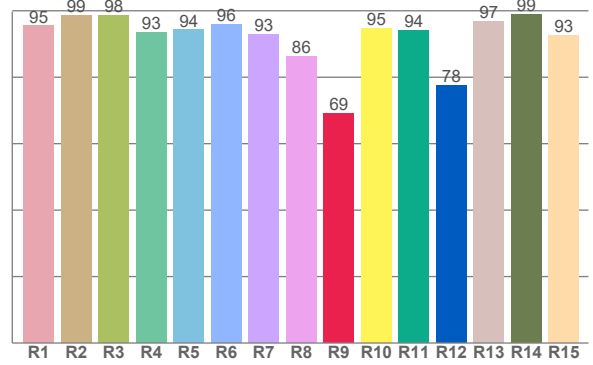
## Color Details



**TM-30: 90.9**



**CRI: 94.4 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.4	98.5	98.5	93.4	94.2	95.8	92.8	86.2	69.2	94.6	94.0	77.6	96.8	99.0	92.6

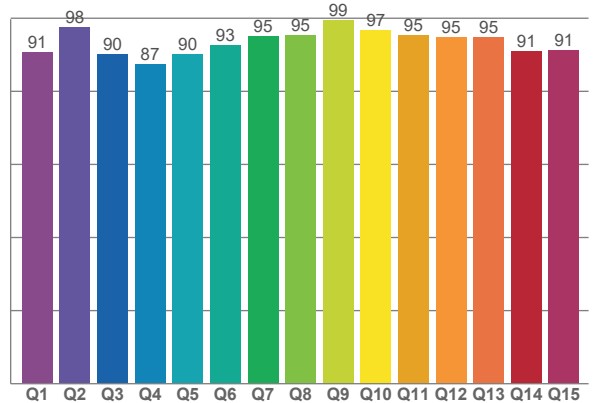
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.5	93.4	93.4	93.2	92.2	96.5	91.9	93.6	89.8	85.0	87.0	90.9	92.8	89.1	88.8	87.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.6	97.5	90.1	87.3	90.1	92.6	95.0	95.3	99.4	96.6	95.2	94.8	94.8	91.0	91.1

**CQS: 92.7**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3499 K	94.4	69.2	90.9	97.6	92.7	0.404	0.387	0.237	0.340	-0.0014

# TM-30 Details

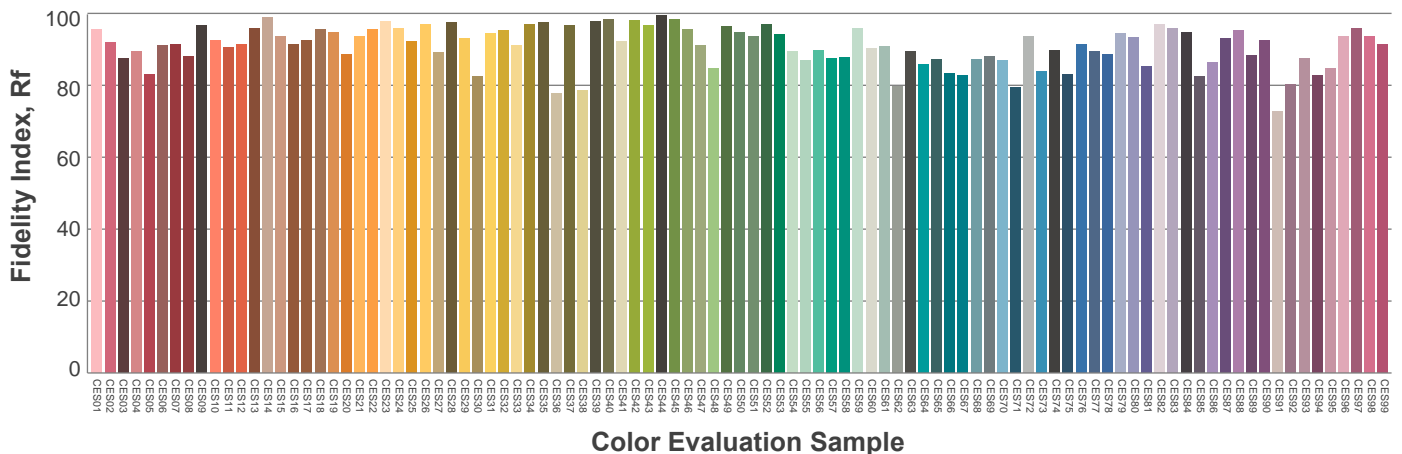
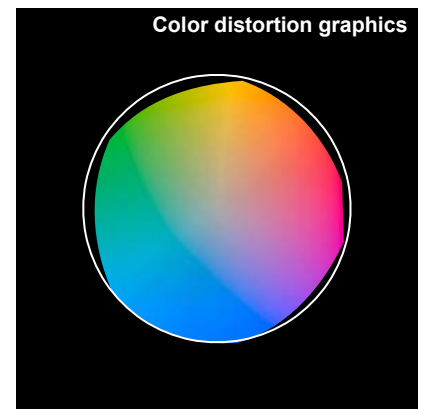
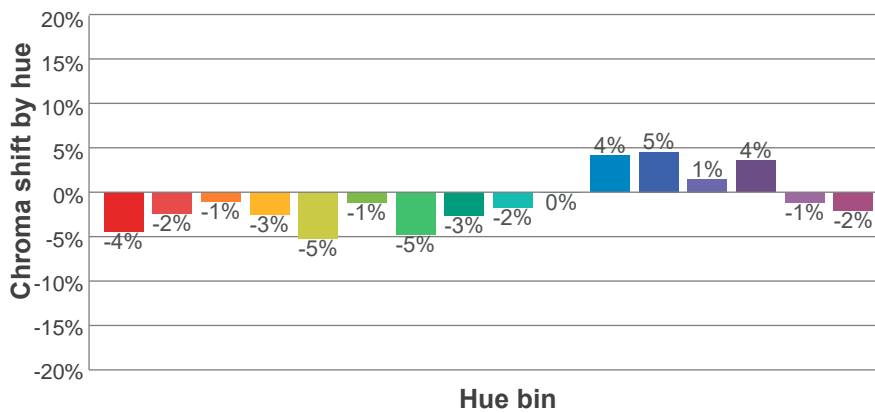
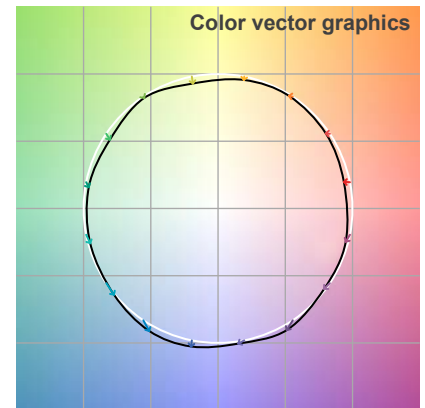
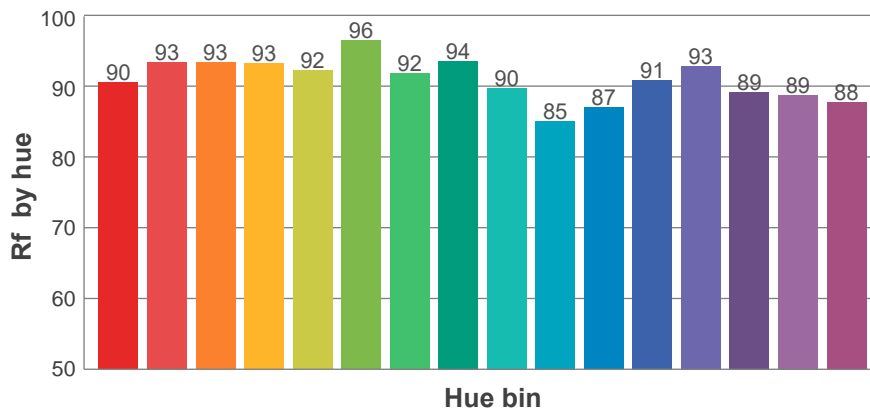
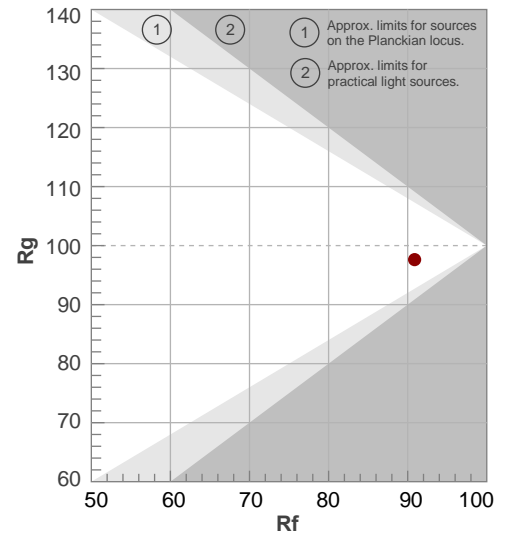
**Rf 90.9**

Fidelity index Rf

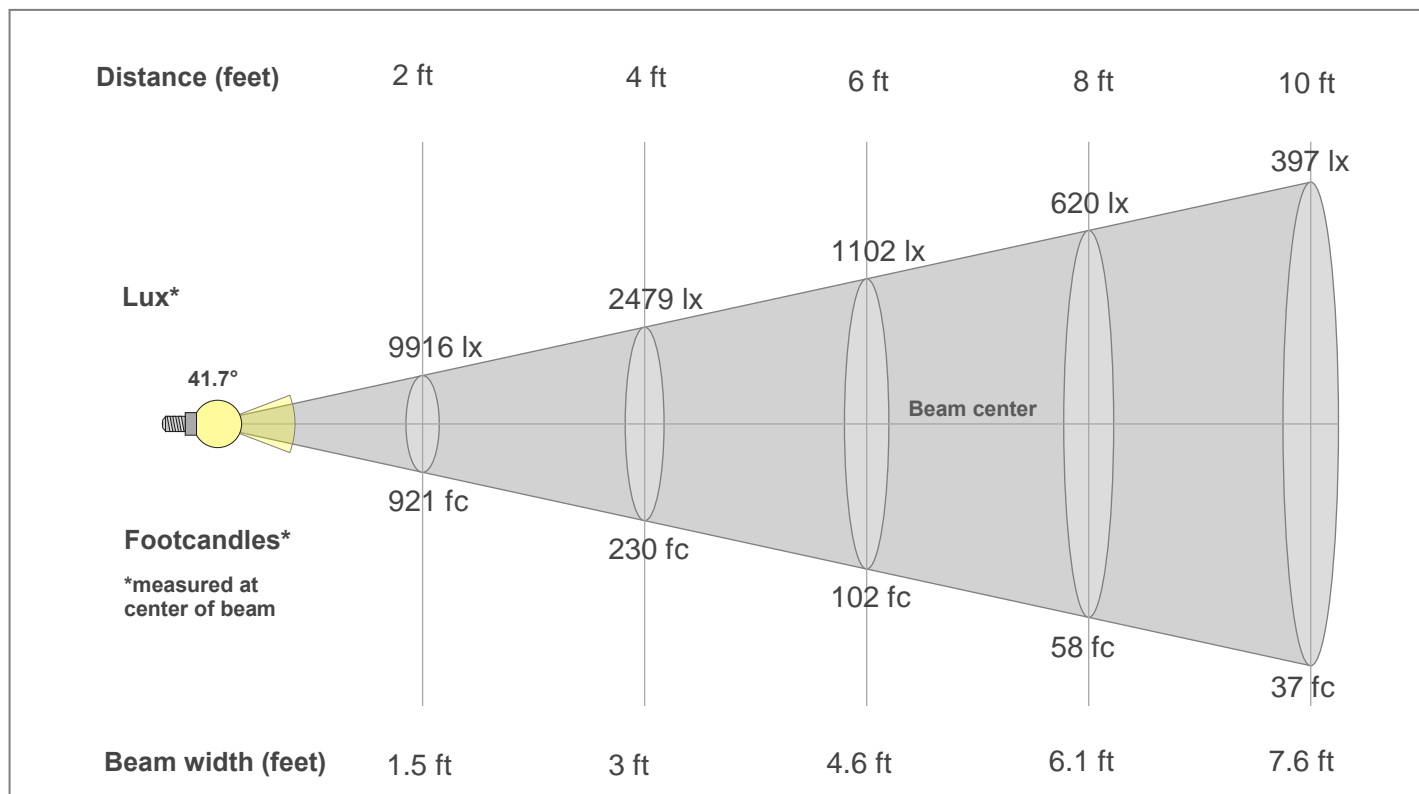
**Rg 97.6**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	90	-4%	1%
2	93	-2%	2%
3	93	-1%	3%
4	93	-3%	0%
5	92	-5%	0%
6	96	-1%	0%
7	92	-5%	2%
8	94	-3%	3%
9	90	-2%	7%
10	85	0%	10%
11	87	4%	8%
12	91	5%	0%
13	93	1%	-5%
14	89	4%	-8%
15	89	-1%	-6%
16	88	-2%	-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
3685lx	921lx	409lx	230lx	147lx	102lx	75lx	58lx	45lx	37lx	30lx	26lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
342.3fc	85.6fc	38fc	21.4fc	13.7fc	9.5fc	7fc	5.3fc	4.2fc	3.4fc	2.8fc	2.4fc	2fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc	0.9fc	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°
3685	3695	3730	3744	3724	3648	3480	3215	2880	2485	2056	1638	1260	946	699	522	403	315	240	176
100%	100%	101%	102%	101%	99%	94%	87%	78%	67%	56%	44%	34%	26%	19%	14%	11%	9%	7%	5%

### 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°
3685	3695	3730	3744	3724	3648	3480	3215	2880	2485	2056	1638	1260	946	699	522	403	315	240	176
100%	100%	101%	102%	101%	99%	94%	87%	78%	67%	56%	44%	34%	26%	19%	14%	11%	9%	7%	5%

### 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°
3685	3695	3730	3744	3724	3648	3480	3215	2880	2485	2056	1638	1260	946	699	522	403	315	240	176
100%	100%	101%	102%	101%	99%	94%	87%	78%	67%	56%	44%	34%	26%	19%	14%	11%	9%	7%	5%

### 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°
3685	3695	3730	3744	3724	3648	3480	3215	2880	2485	2056	1638	1260	946	699	522	403	315	240	176
100%	100%	101%	102%	101%	99%	94%	87%	78%	67%	56%	44%	34%	26%	19%	14%	11%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
41.7°	65.2°	86.1°	99.1%	97.5%