

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-S-HI3500-15-EL1-2-650-FLS-2-BV-NIC

Trim Model:

FLS-2-BV-WH

Date:

8/10/2022



Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 94.5

Color temperature:

3477 K

CIE 1931:

x: 0.405
y: 0.388

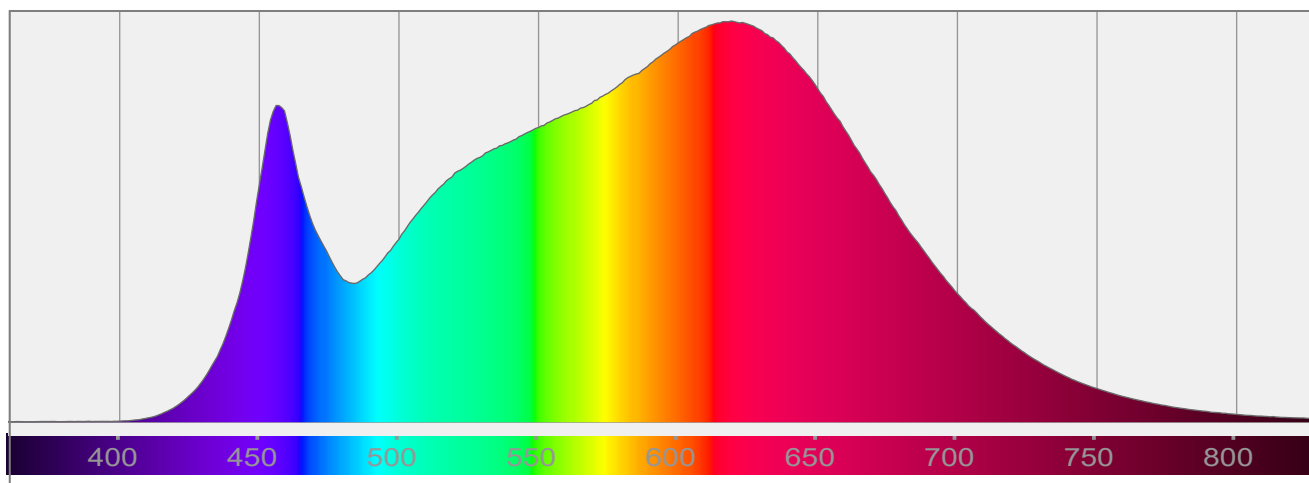
Output: 1788 lm

Peak: 10027 cd

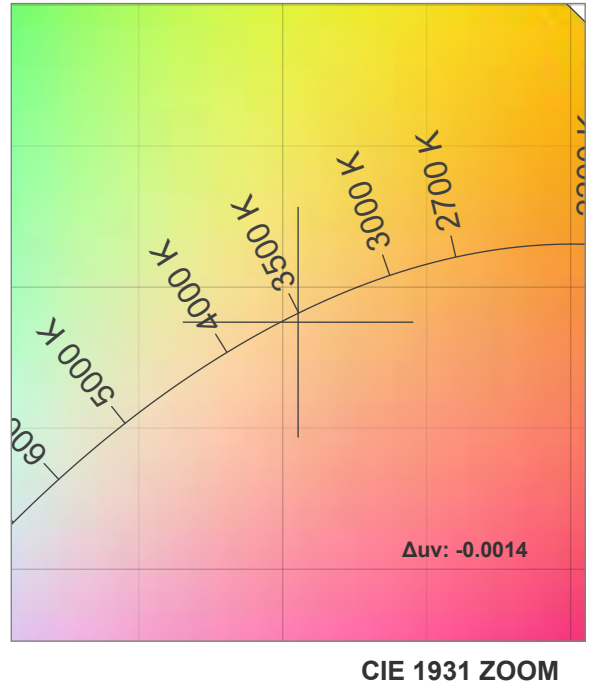
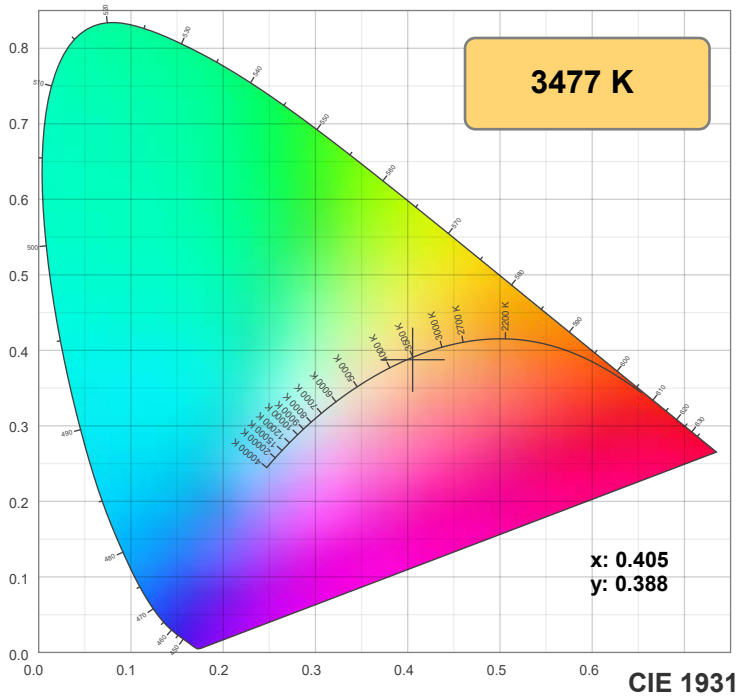
Power: 26.3 W

PF: 0.98

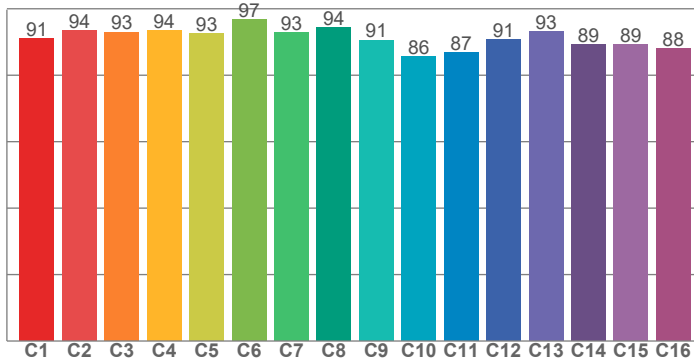
Spectra:



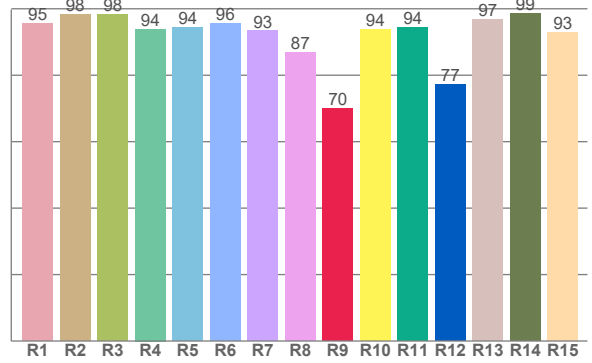
Color Details



TM-30: 91.2



CRI: 94.5 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.5	98.2	98.2	93.9	94.3	95.6	93.3	86.7	70.0	93.9	94.4	77.3	96.7	98.6	92.8

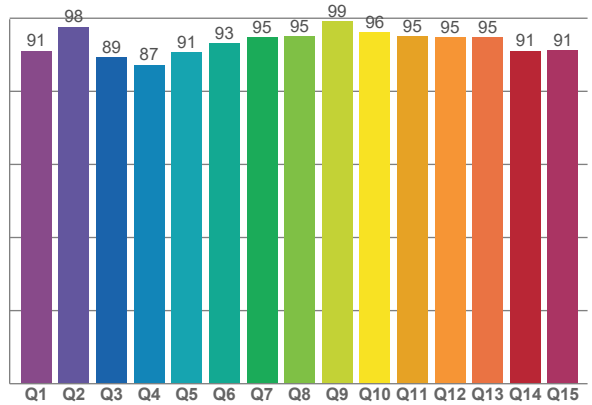
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.9	93.6	93.0	93.5	92.5	96.7	92.8	94.3	90.6	85.6	86.7	90.7	93.2	89.3	89.2	88.1

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.1	97.7	89.4	87.3	90.6	93.2	94.7	95.1	99.1	96.1	95.0	94.7	94.8	91.1	91.3

CQS: 92.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3477 K	94.5	70.0	91.2	98.1	92.7	0.405	0.388	0.237	0.340	-0.0014

TM-30 Details

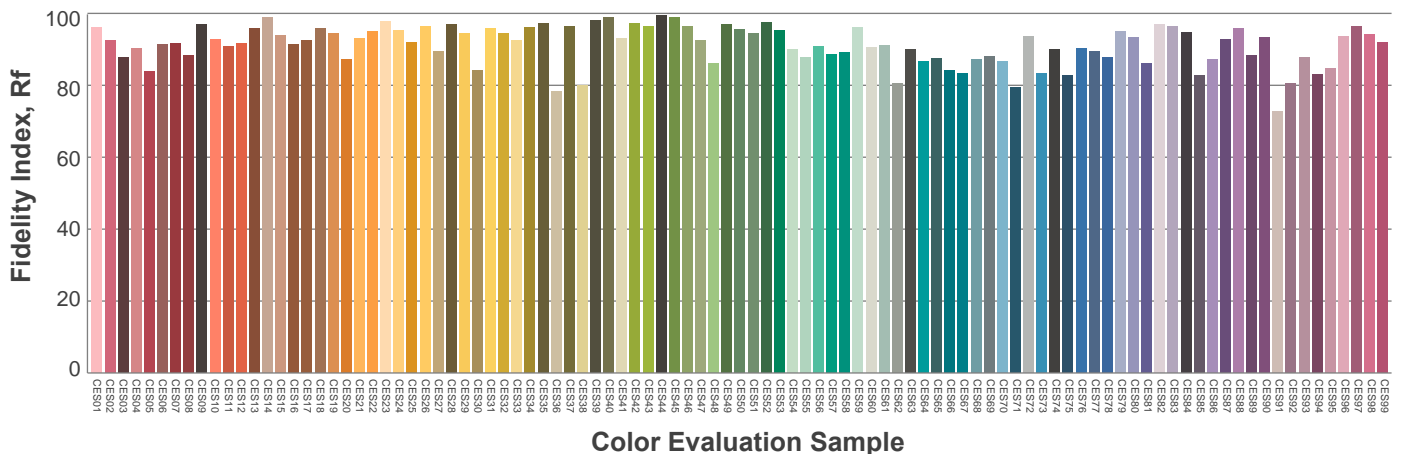
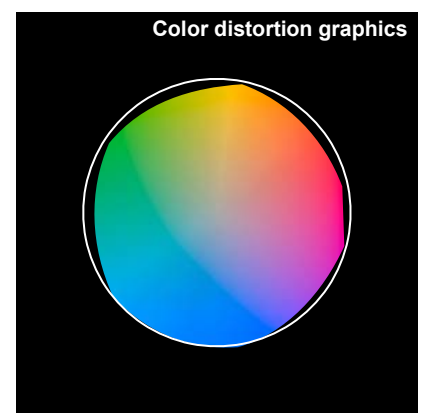
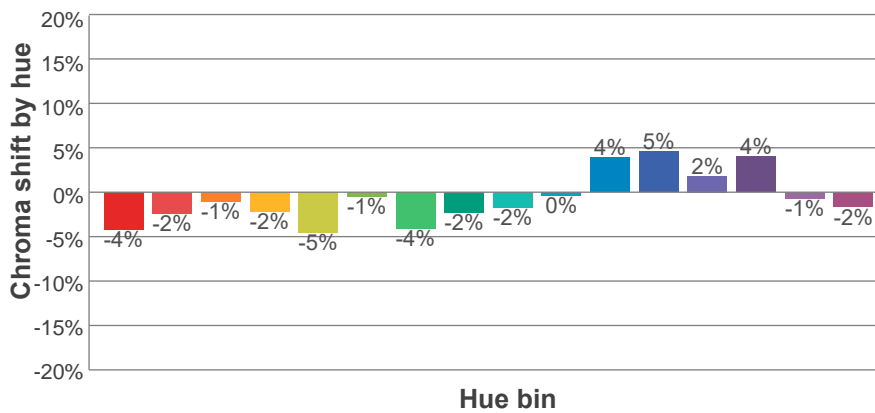
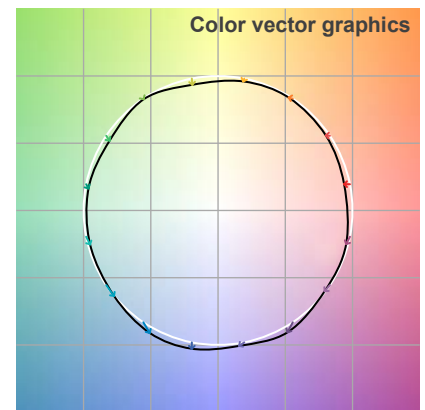
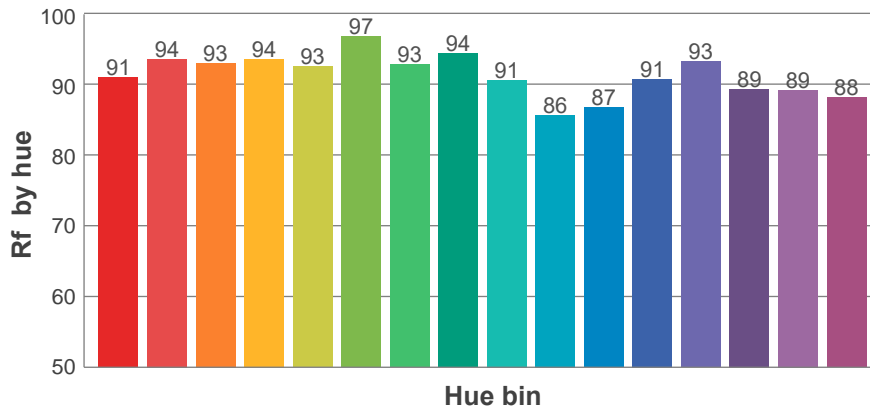
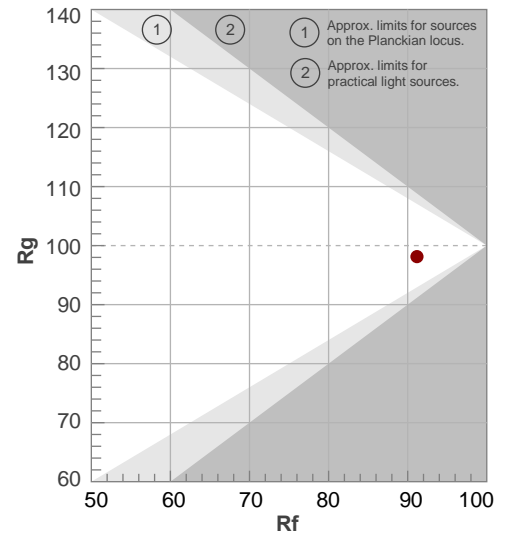
Rf 91.2

Fidelity index Rf

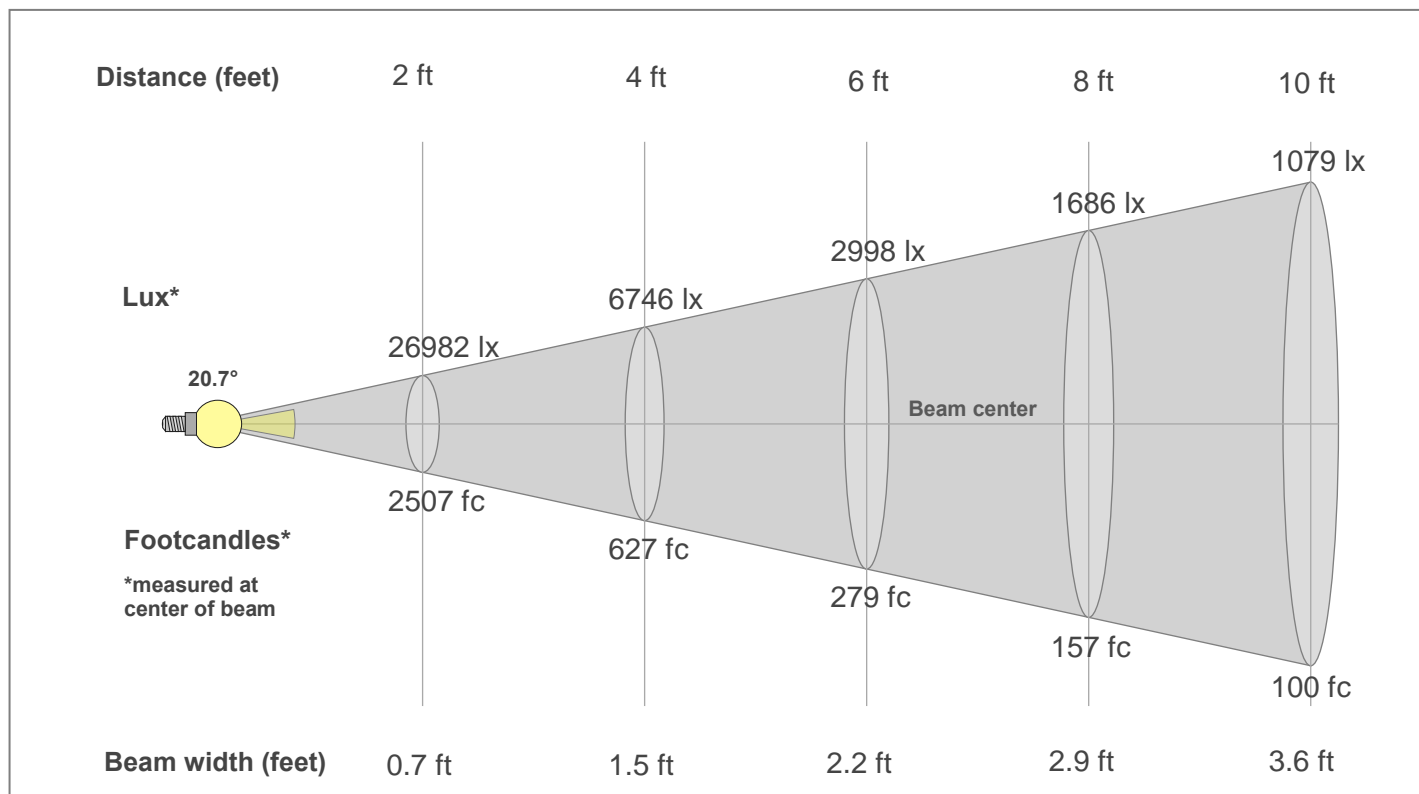
Rg 98.1

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	94	-2%	2%
3	93	-1%	3%
4	94	-2%	0%
5	93	-5%	1%
6	97	-1%	0%
7	93	-4%	2%
8	94	-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	-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
10027lx	2507lx	1114lx	627lx	401lx	279lx	205lx	157lx	124lx	100lx	83lx	70lx	59lx	51lx	45lx	39lx	35lx	31lx	28lx	25lx
931.5fc	232.9fc	103.5fc	58.2fc	37.3fc	25.9fc	19fc	14.6fc	11.5fc	9.3fc	7.7fc	6.5fc	5.5fc	4.8fc	4.1fc	3.6fc	3.2fc	2.9fc	2.6fc	2.3fc

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°
10.0K	10.0K	9.8K	9.6K	9.2K	8.6K	8.0K	7.3K	6.6K	5.9K	5.2K	4.6K	4.0K	3.4K	2.9K	2.5K	2.1K	1.7K	1.4K	1.2K
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	52%	46%	40%	34%	29%	25%	21%	17%	14%	12%

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°
10.0K	10.0K	9.8K	9.6K	9.2K	8.6K	8.0K	7.3K	6.6K	5.9K	5.2K	4.6K	4.0K	3.4K	2.9K	2.5K	2.1K	1.7K	1.4K	1.2K
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	52%	46%	40%	34%	29%	25%	21%	17%	14%	12%

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°
10.0K	10.0K	9.8K	9.6K	9.2K	8.6K	8.0K	7.3K	6.6K	5.9K	5.2K	4.6K	4.0K	3.4K	2.9K	2.5K	2.1K	1.7K	1.4K	1.2K
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	52%	46%	40%	34%	29%	25%	21%	17%	14%	12%

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°
10.0K	10.0K	9.8K	9.6K	9.2K	8.6K	8.0K	7.3K	6.6K	5.9K	5.2K	4.6K	4.0K	3.4K	2.9K	2.5K	2.1K	1.7K	1.4K	1.2K
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	52%	46%	40%	34%	29%	25%	21%	17%	14%	12%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
20.7°	39.6°	59.5°	99.2%	97.6%