

Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

FLS-2-WH

Date:

8/10/2022



Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 94.5

Color temperature:

3480 K

CIE 1931:

**x: 0.405
y: 0.388**

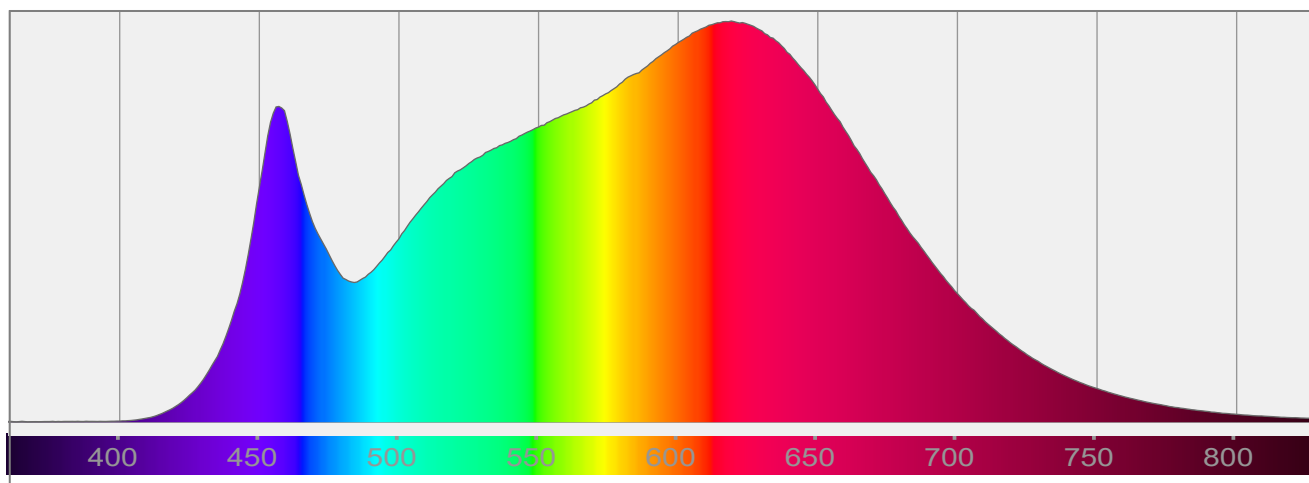
Output: 1483 lm

Peak: 9973 cd

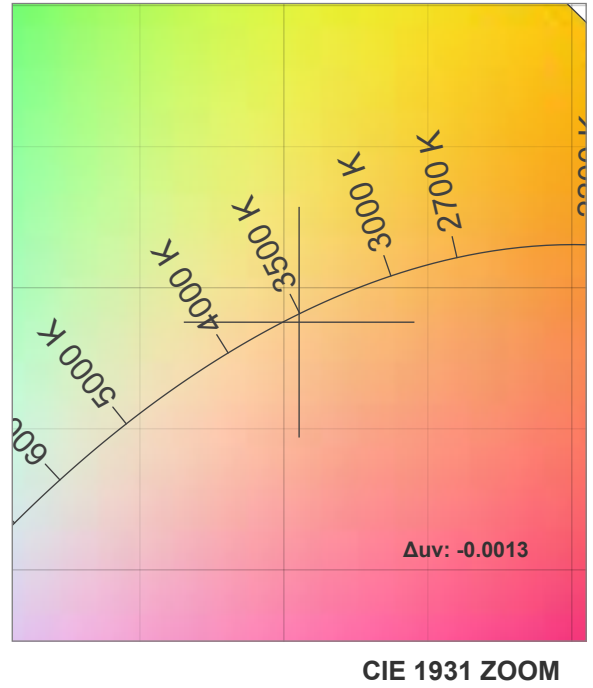
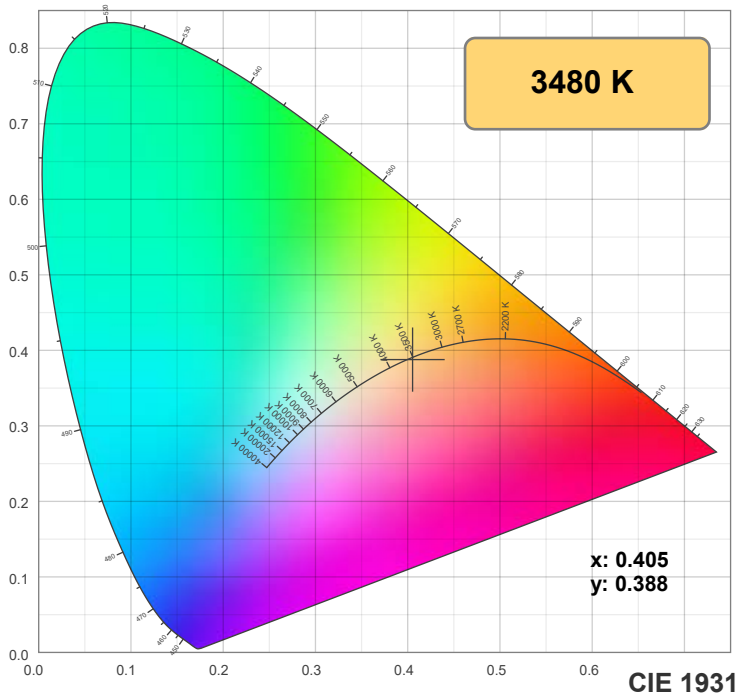
Power: 26.3 W

PF: 0.98

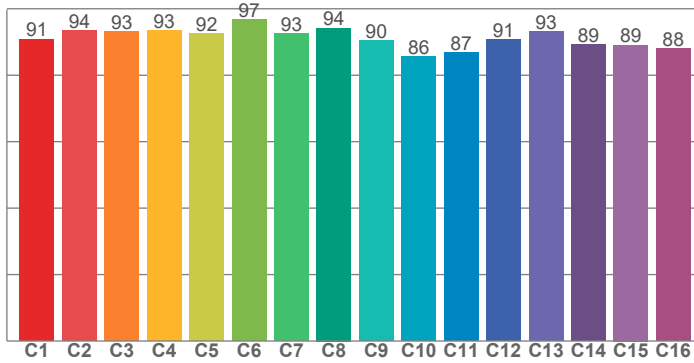
Spectra:



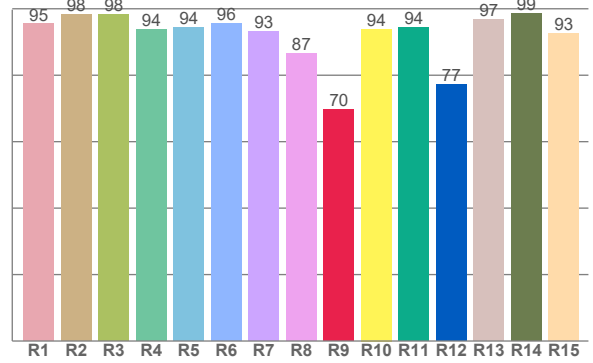
Color Details



TM-30: 91.1



CRI: 94.5 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.4	98.2	98.3	93.8	94.3	95.7	93.3	86.6	69.7	93.9	94.4	77.3	96.7	98.7	92.7

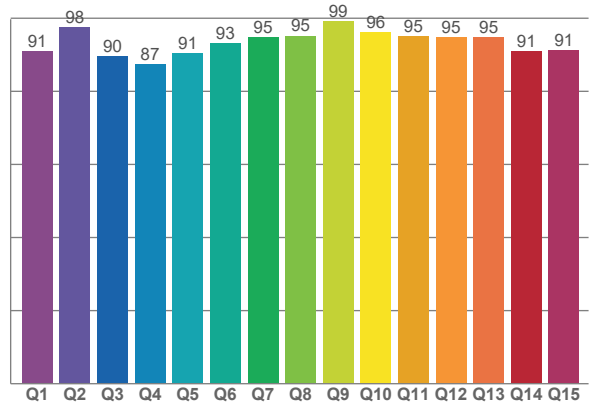
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.9	93.5	93.1	93.5	92.5	96.7	92.6	94.2	90.4	85.5	86.8	90.8	93.2	89.3	89.1	88.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.0	97.6	89.5	87.3	90.5	93.1	94.8	95.2	99.2	96.2	95.0	94.8	94.9	91.1	91.3

CQS: 92.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3480 K	94.5	69.7	91.1	98.0	92.7	0.405	0.388	0.237	0.340	-0.0013

TM-30 Details

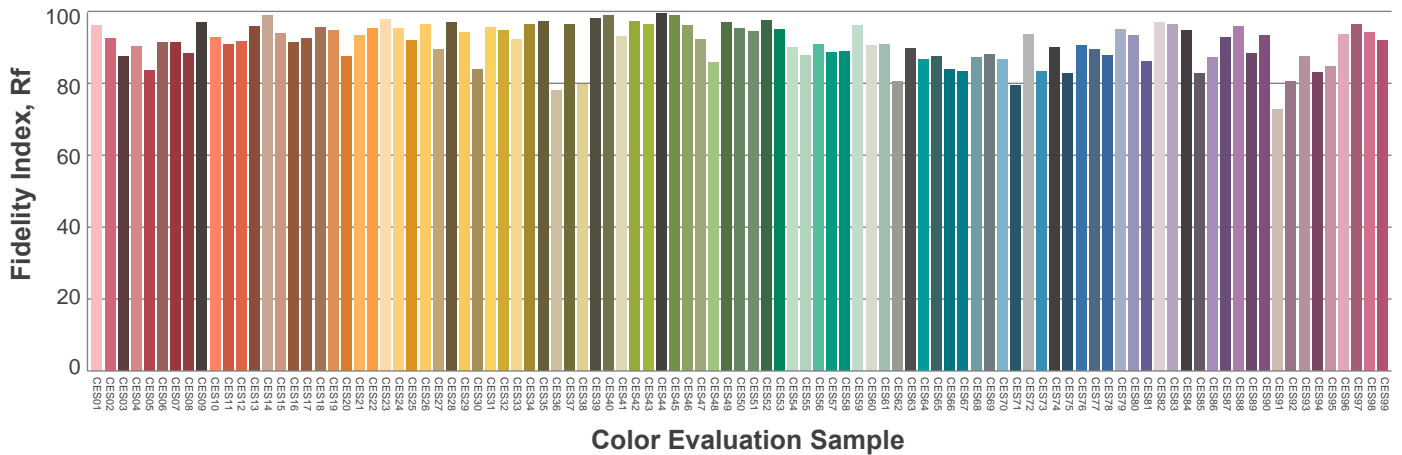
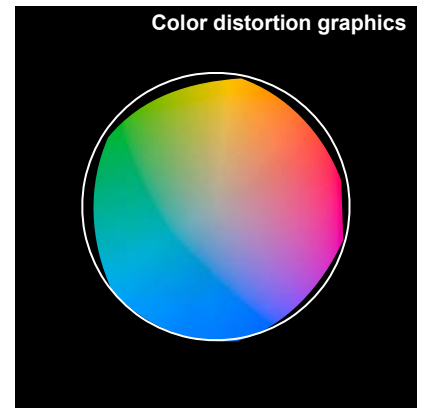
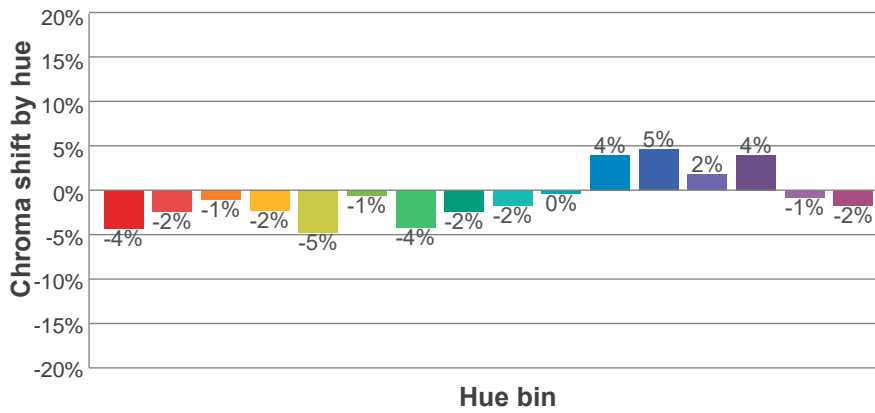
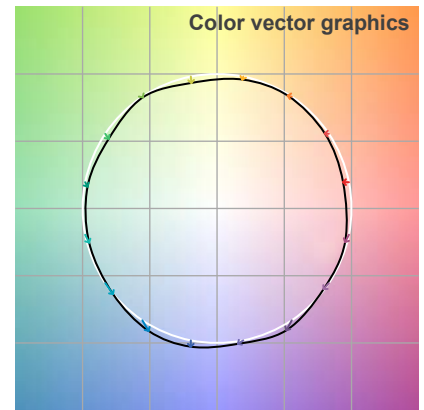
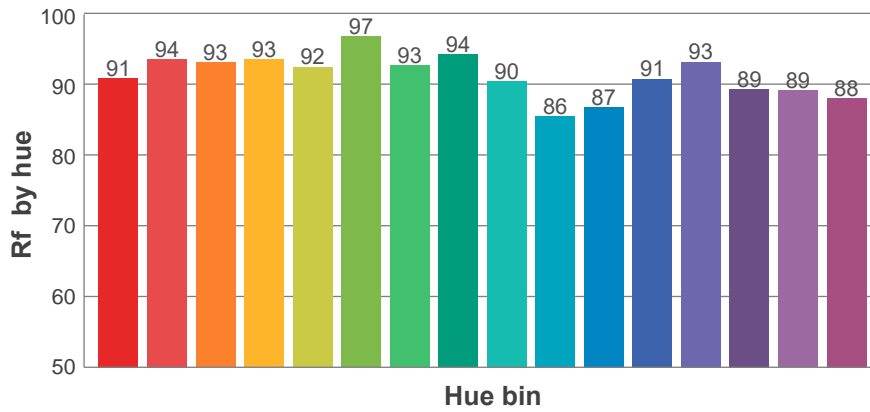
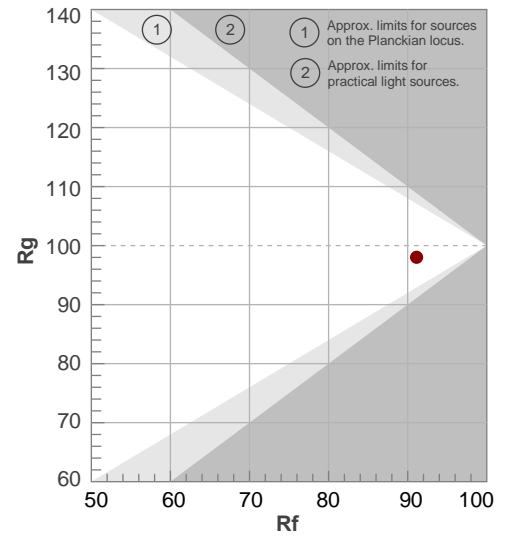
Rf 91.1

Fidelity index Rf

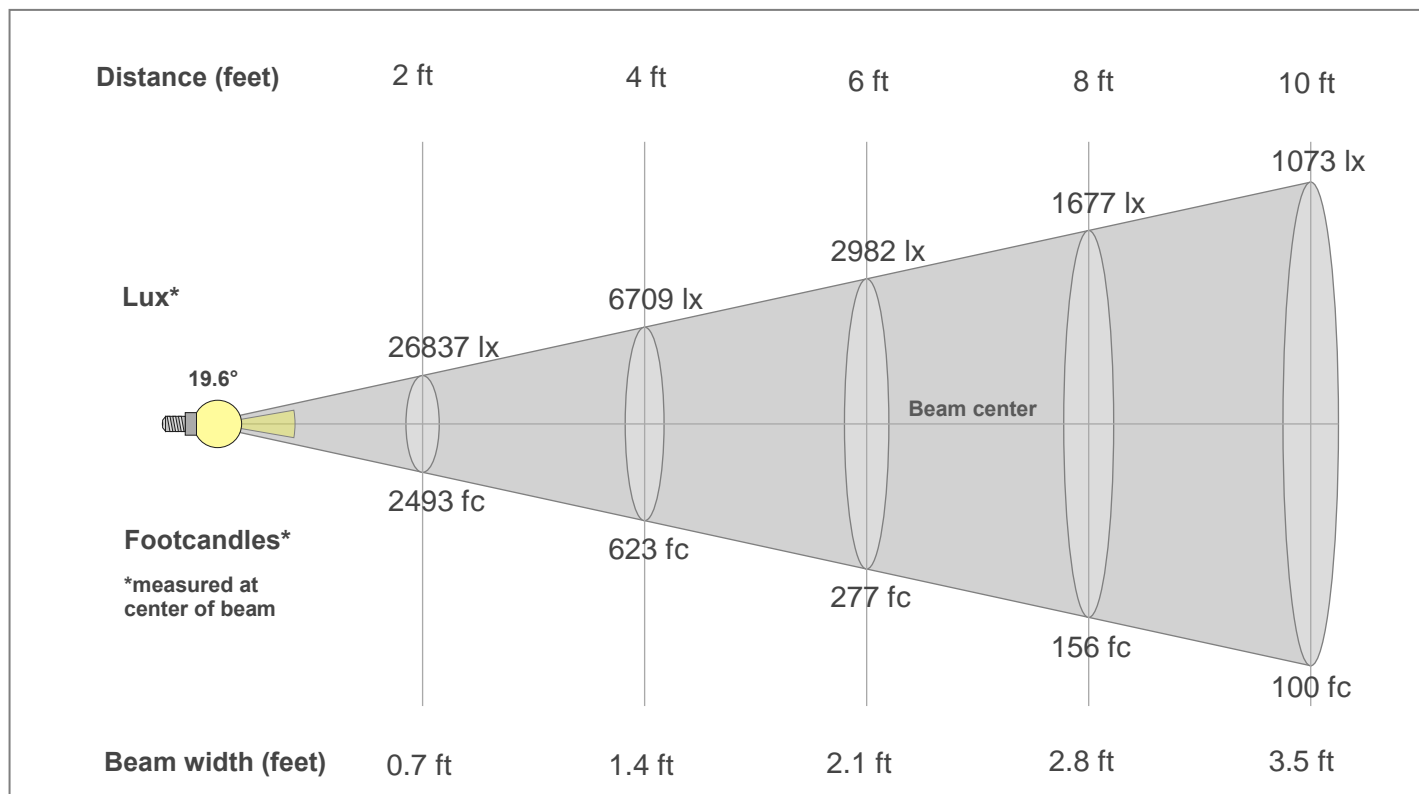
Rg 98.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	94	-2%	2%
3	93	-1%	3%
4	93	-2%	0%
5	92	-5%	0%
6	97	-1%	0%
7	93	-4%	2%
8	94	-2%	3%
9	90	-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
9973lx	2493lx	1108lx	623lx	399lx	277lx	204lx	156lx	123lx	100lx	82lx	69lx	59lx	51lx	44lx	39lx	35lx	31lx	28lx	25lx
926.5fc	231.6fc	102.9fc	57.9fc	37.1fc	25.7fc	18.9fc	14.5fc	11.4fc	9.3fc	7.7fc	6.4fc	5.5fc	4.7fc	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°
9973	9908	9703	9359	8860	8240	7553	6835	6144	5501	4878	4266	3678	3136	2657	2240	1872	1543	1253	1006
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	31%	27%	22%	19%	15%	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°
9973	9908	9703	9359	8860	8240	7553	6835	6144	5501	4878	4266	3678	3136	2657	2240	1872	1543	1253	1006
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	31%	27%	22%	19%	15%	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°
9973	9908	9703	9359	8860	8240	7553	6835	6144	5501	4878	4266	3678	3136	2657	2240	1872	1543	1253	1006
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	31%	27%	22%	19%	15%	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°
9973	9908	9703	9359	8860	8240	7553	6835	6144	5501	4878	4266	3678	3136	2657	2240	1872	1543	1253	1006
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	49%	43%	37%	31%	27%	22%	19%	15%	13%	10%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
19.6°	38.1°	50.8°	99.4%	99.3%