

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-IC-S-HI3500-25-EL1-2-HD-IC-FLS-2-BV

Trim Model:

FLS-2-BV-WH

Date:

8/10/2022



Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3451 K

CIE 1931:

x: 0.407
y: 0.389

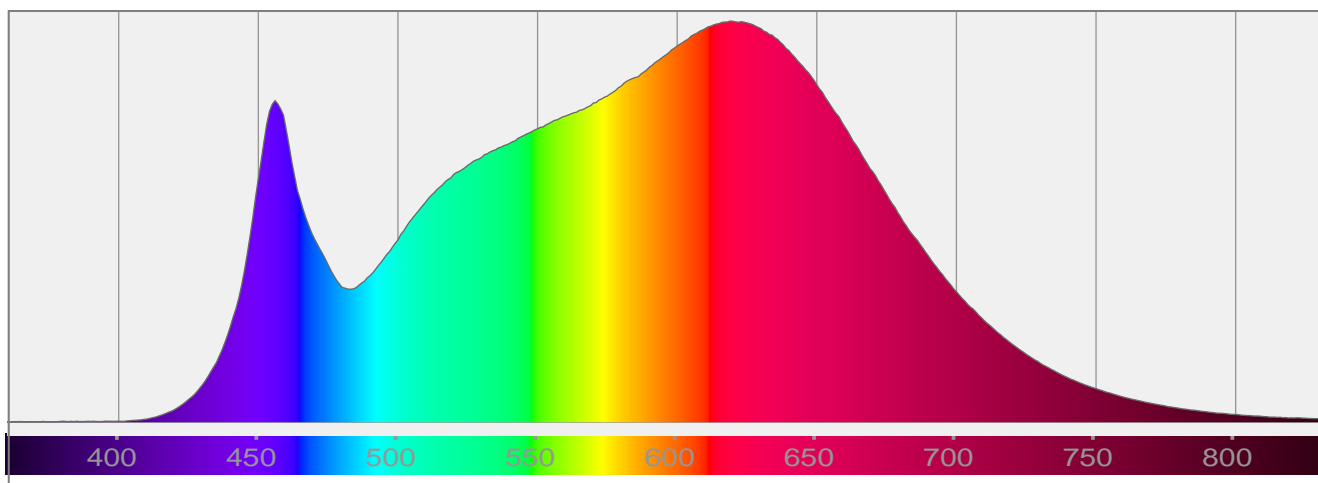
Output: 1405 lm

Peak: 4095 cd

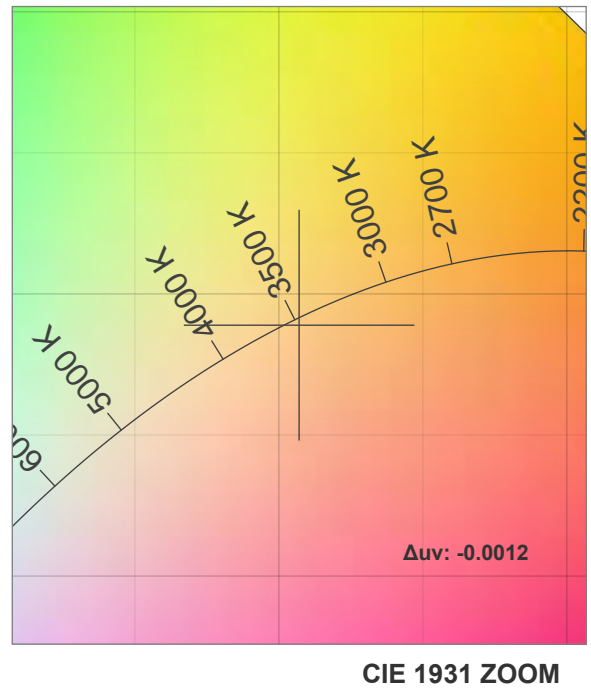
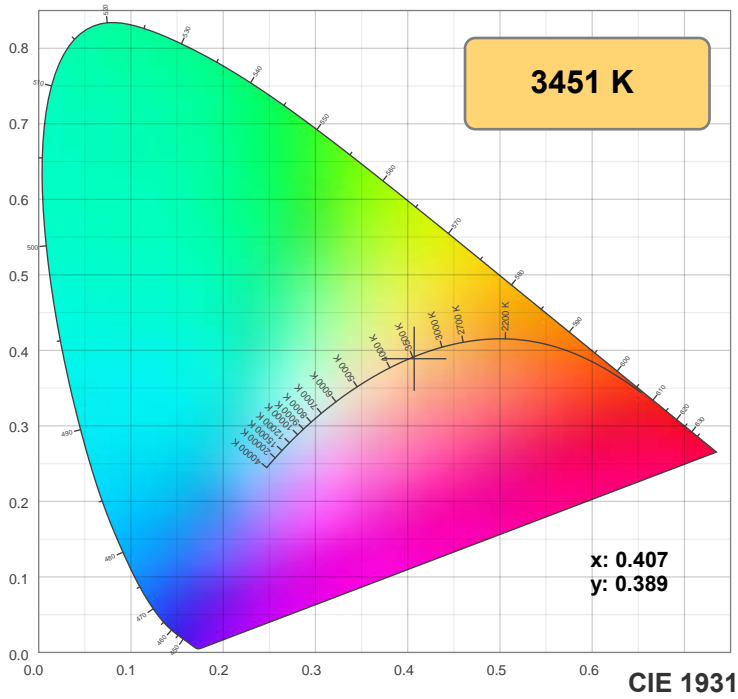
Power: 19.5 W

PF: 0.98

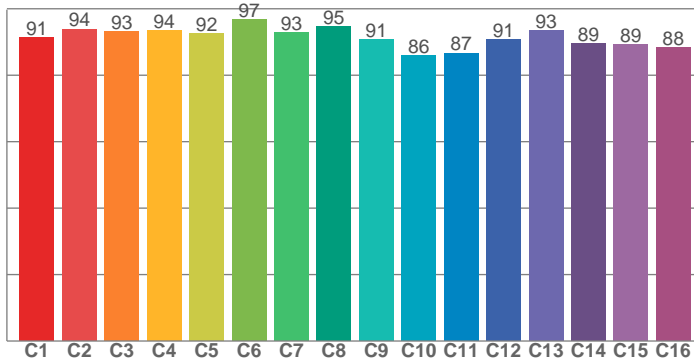
Spectra:



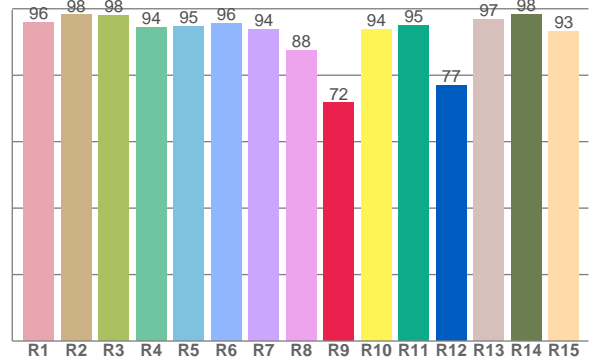
Color Details



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	87.5	71.7	93.8	95.0	76.9	96.9	98.4	93.1

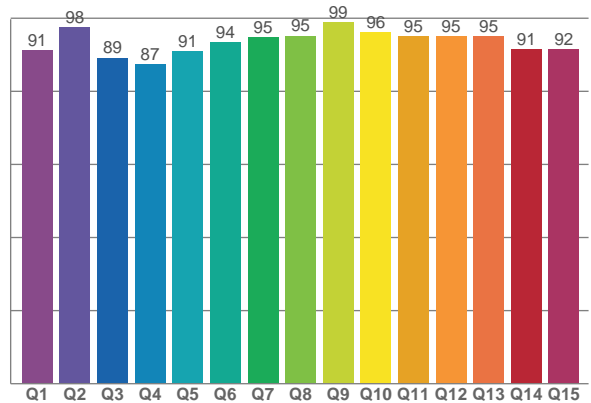
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.3	93.9	93.2	93.6	92.4	96.8	92.9	94.6	90.8	85.9	86.6	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
91.2	97.6	89.2	87.4	90.9	93.5	94.7	95.2	98.9	96.1	95.1	95.0	95.1	91.5	91.6

CQS: 92.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3451 K	94.8	71.7	91.3	98.3	92.8	0.407	0.389	0.238	0.341	-0.0012

TM-30 Details

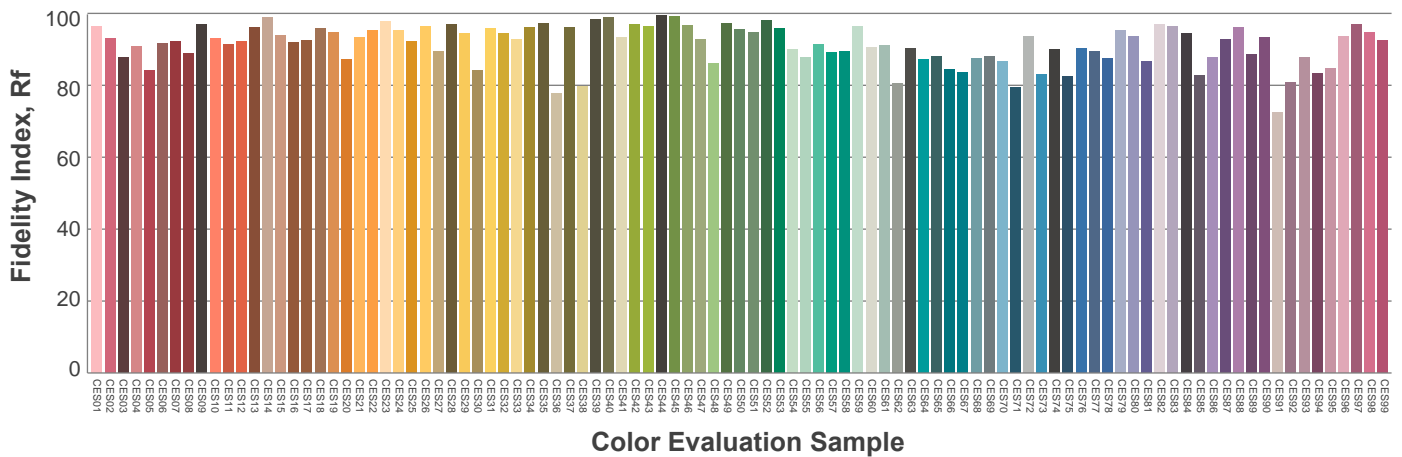
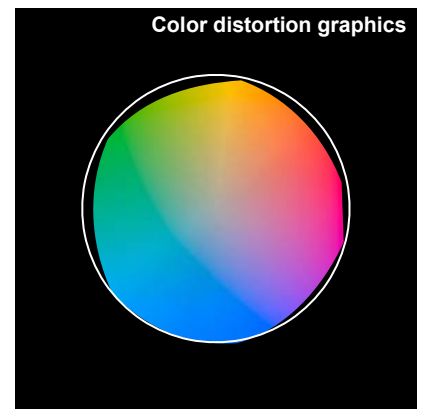
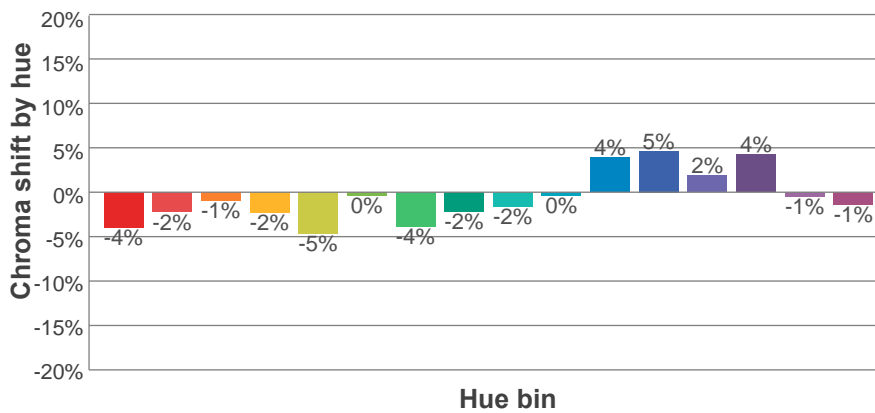
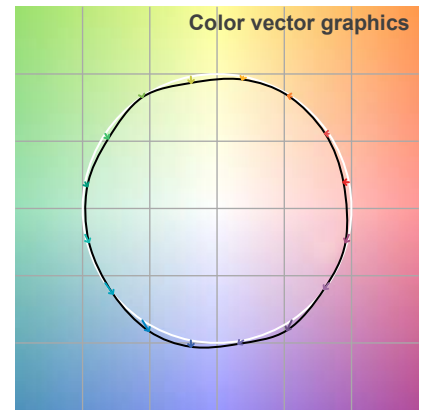
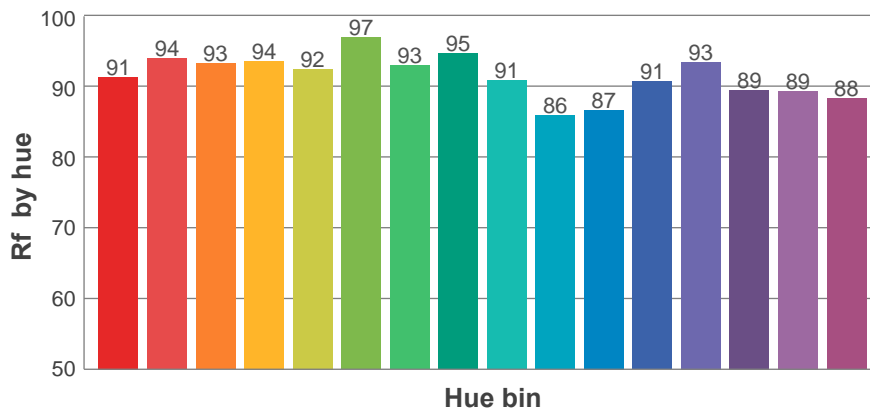
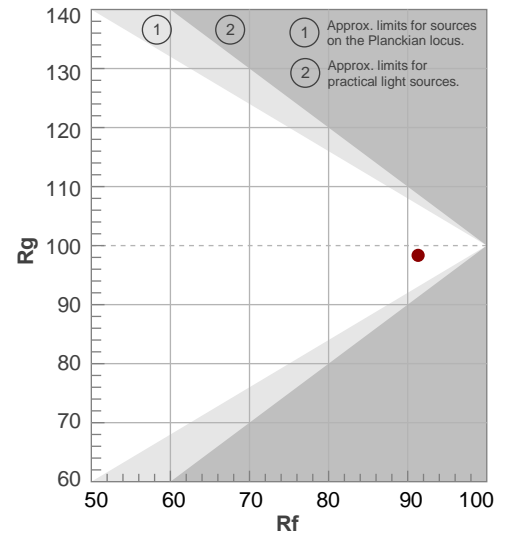
Rf 91.3

Fidelity index Rf

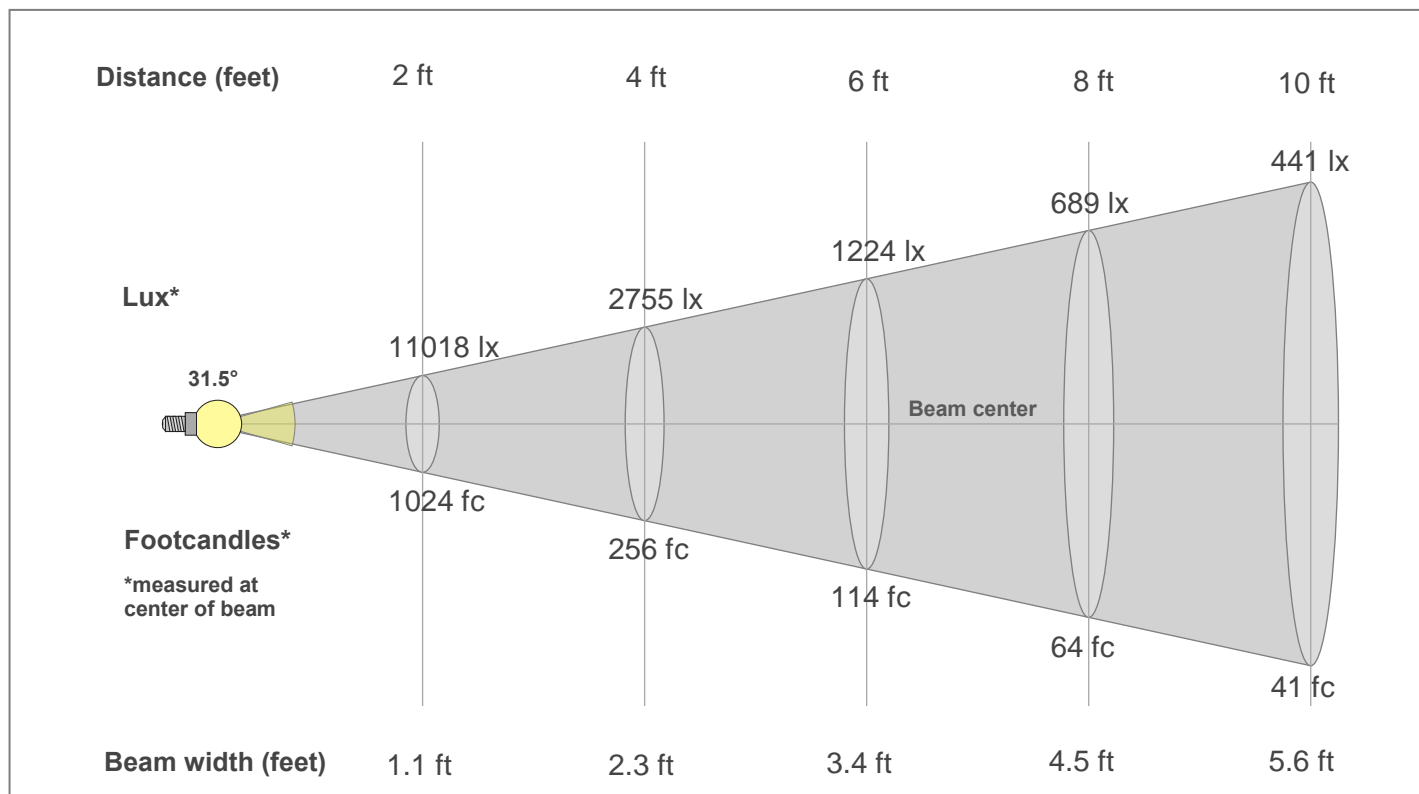
Rg 98.3

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	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
4095lx	1024lx	455lx	256lx	164lx	114lx	84lx	64lx	51lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
380.4fc	95.1fc	42.3fc	23.8fc	15.2fc	10.6fc	7.8fc	5.9fc	4.7fc	3.8fc	3.1fc	2.6fc	2.3fc	1.9fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc	1fc

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°
4095	4062	3952	3777	3533	3221	2853	2436	1996	1567	1189	887	659	497	385	303	242	195	156	126
100%	99%	97%	92%	86%	79%	70%	60%	49%	38%	29%	22%	16%	12%	9%	7%	6%	5%	4%	3%

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°
4095	4062	3952	3777	3533	3221	2853	2436	1996	1567	1189	887	659	497	385	303	242	195	156	126
100%	99%	97%	92%	86%	79%	70%	60%	49%	38%	29%	22%	16%	12%	9%	7%	6%	5%	4%	3%

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°
4095	4062	3952	3777	3533	3221	2853	2436	1996	1567	1189	887	659	497	385	303	242	195	156	126
100%	99%	97%	92%	86%	79%	70%	60%	49%	38%	29%	22%	16%	12%	9%	7%	6%	5%	4%	3%

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°
4095	4062	3952	3777	3533	3221	2853	2436	1996	1567	1189	887	659	497	385	303	242	195	156	126
100%	99%	97%	92%	86%	79%	70%	60%	49%	38%	29%	22%	16%	12%	9%	7%	6%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
31.5°	55°	80°	99.1%	97.1%