

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-IC-S-HI-35-15-EL1-2-500-FLS-2-BV

Trim Model:

FLS-2-BV-WH

Date:

8/10/2022



Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3453 K

CIE 1931:

x: 0.407
y: 0.389

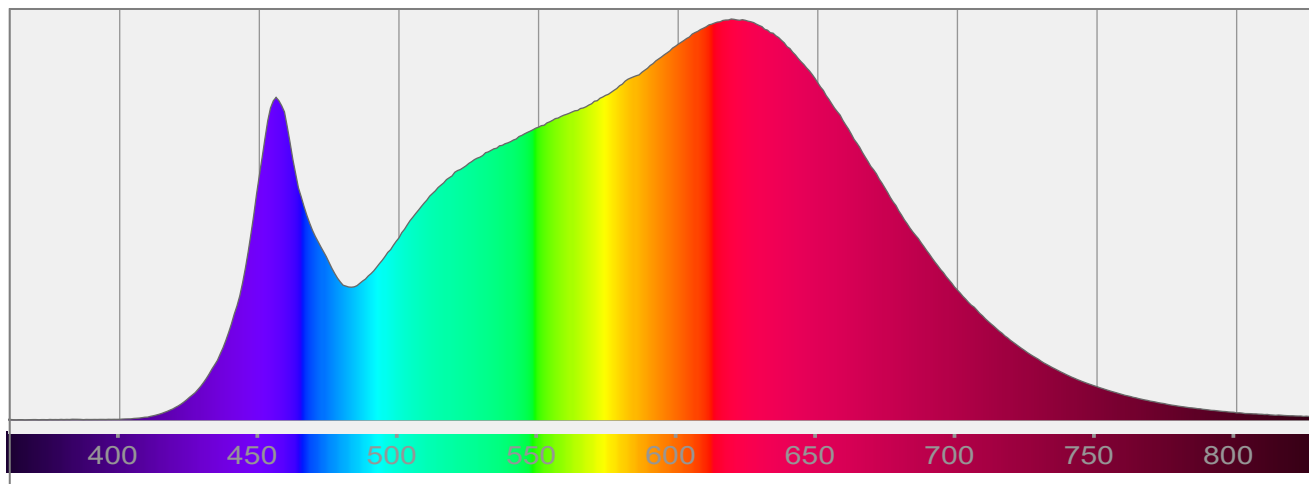
Output: 1455 lm

Peak: 8032 cd

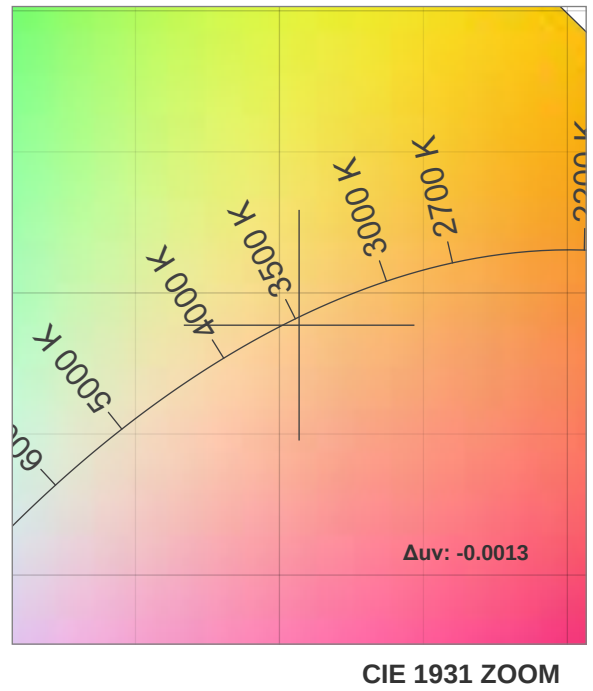
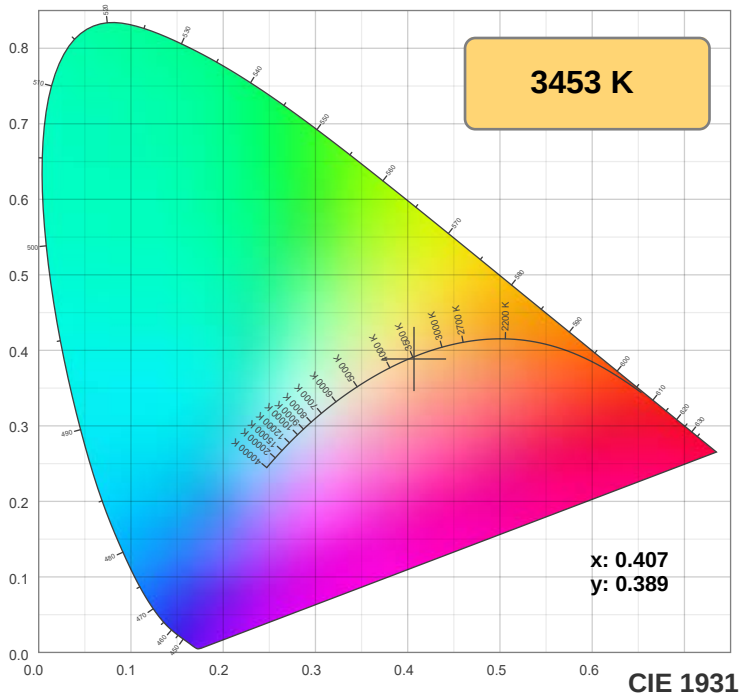
Power: 19.5 W

PF: 0.98

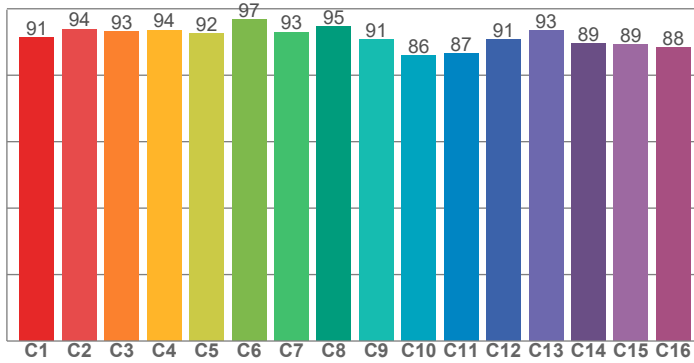
Spectra:



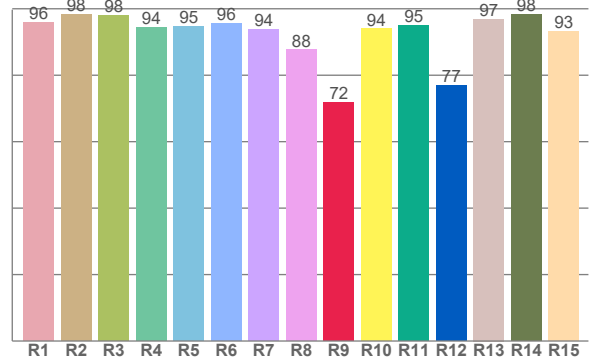
Color Details



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	94.5	94.7	95.7	93.8	87.6	71.8	93.9	95.1	76.9	96.9	98.4	93.2

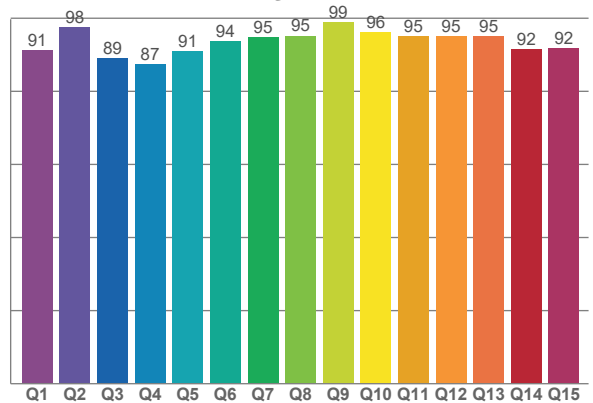
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.3	93.9	93.1	93.6	92.5	96.8	93.0	94.7	90.8	85.9	86.6	90.6	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	87.4	90.9	93.6	94.7	95.2	98.9	96.0	95.1	94.9	95.1	91.5	91.7

CQS: 92.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3453 K	94.8	71.8	91.3	98.4	92.8	0.407	0.389	0.238	0.340	-0.0013

TM-30 Details

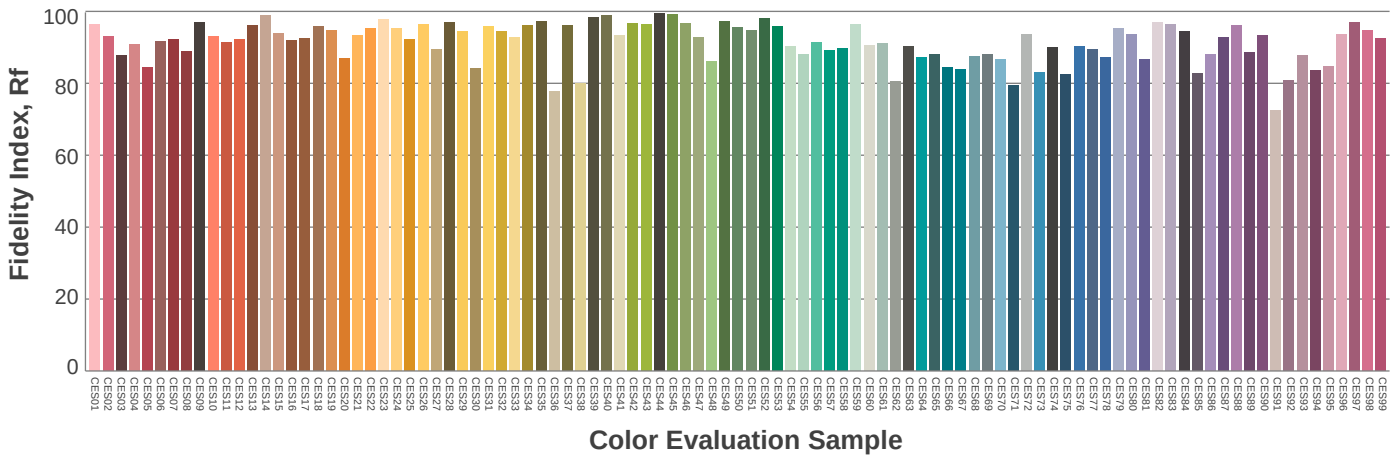
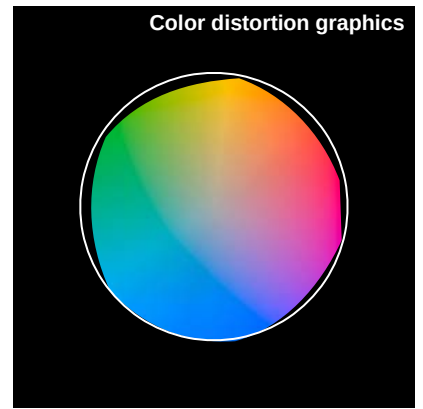
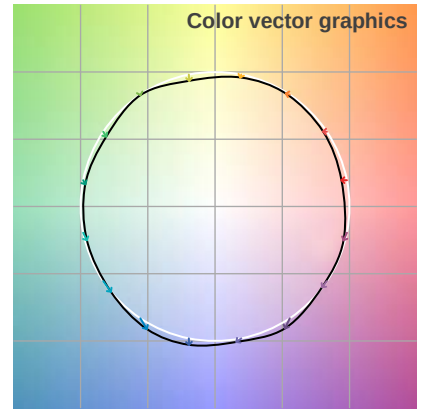
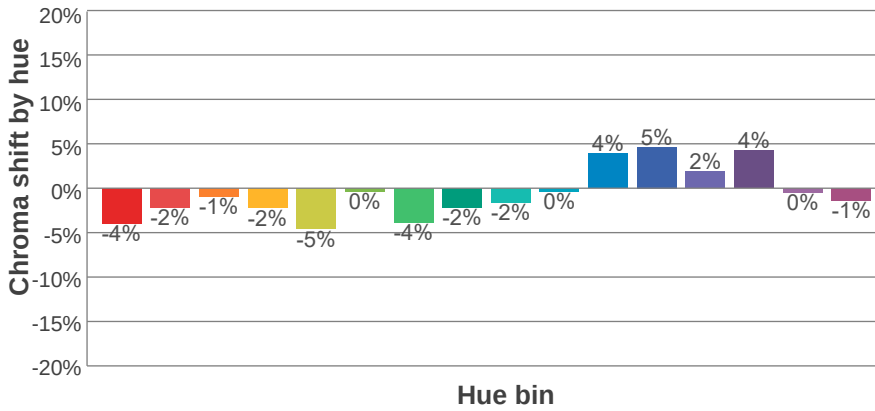
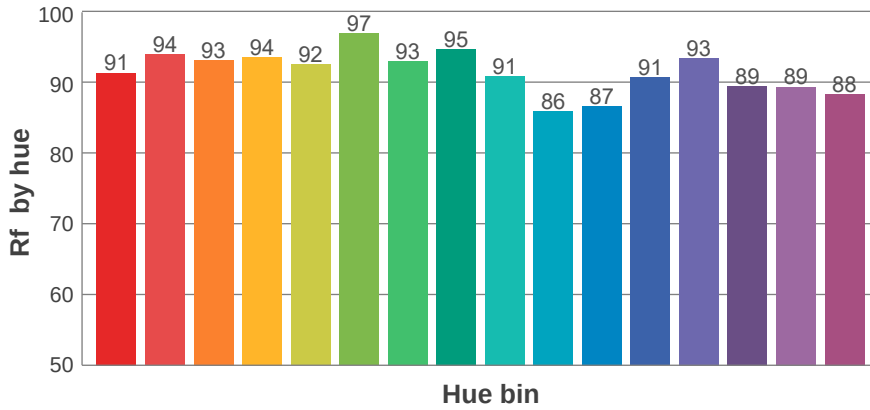
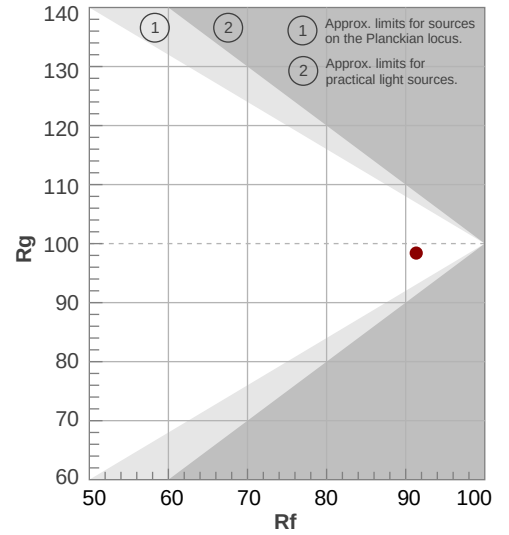
Rf 91.3

Fidelity index R_f

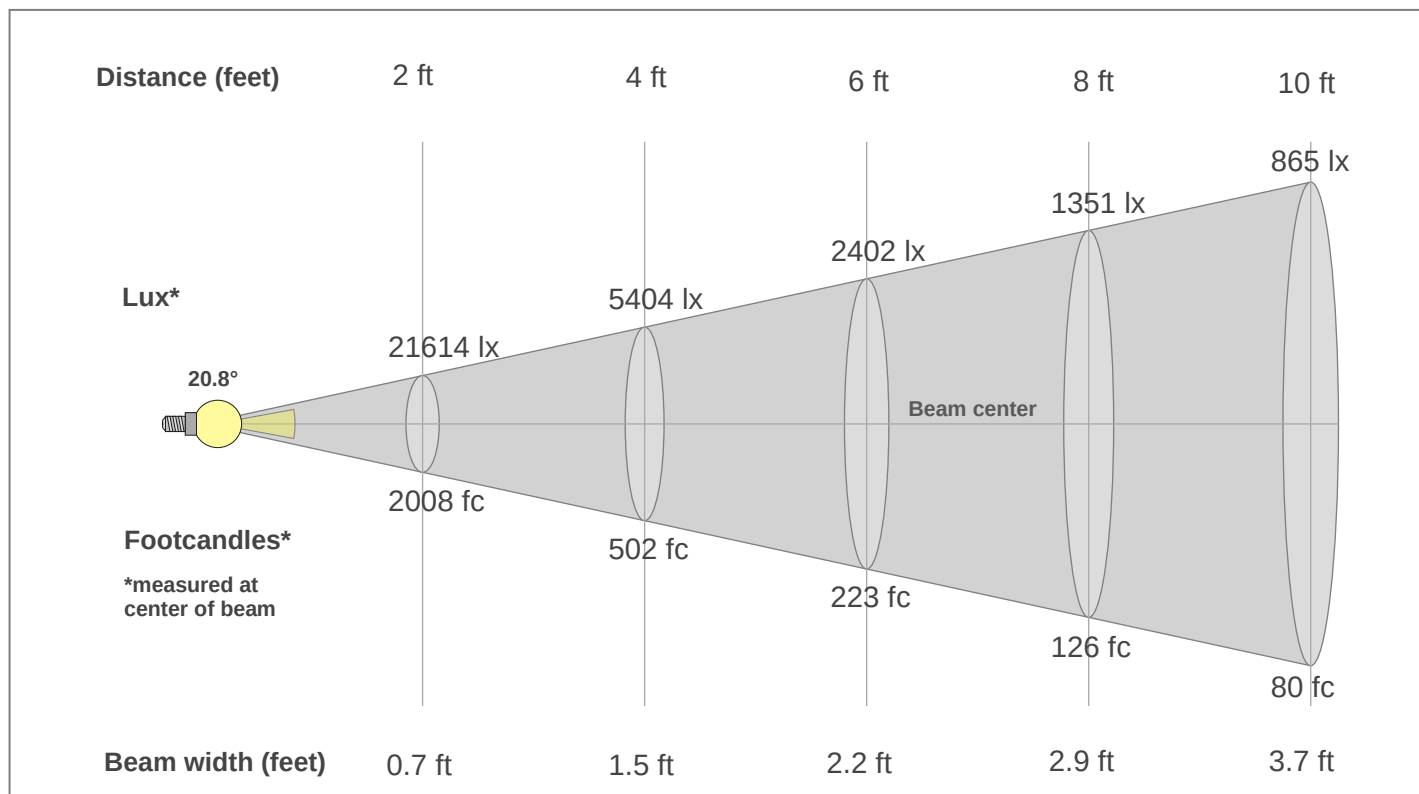
Rg 98.4

Gamut index Rg

		Shifts (%)	
Hue Bin	R_f	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	0%	-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
8032lx	2008lx	892lx	502lx	321lx	223lx	164lx	126lx	99lx	80lx	66lx	56lx	48lx	41lx	36lx	31lx	28lx	25lx	22lx	20lx
746.2fc	186.6fc	82.9fc	46.6fc	29.8fc	20.7fc	15.2fc	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°
8032	8003	7879	7658	7339	6921	6426	5865	5301	4752	4217	3695	3197	2741	2342	1993	1687	1414	1173	968
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	53%	46%	40%	34%	29%	25%	21%	18%	15%	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°
8032	8003	7879	7658	7339	6921	6426	5865	5301	4752	4217	3695	3197	2741	2342	1993	1687	1414	1173	968
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	53%	46%	40%	34%	29%	25%	21%	18%	15%	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°
8032	8003	7879	7658	7339	6921	6426	5865	5301	4752	4217	3695	3197	2741	2342	1993	1687	1414	1173	968
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	53%	46%	40%	34%	29%	25%	21%	18%	15%	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°
8032	8003	7879	7658	7339	6921	6426	5865	5301	4752	4217	3695	3197	2741	2342	1993	1687	1414	1173	968
100%	100%	98%	95%	91%	86%	80%	73%	66%	59%	53%	46%	40%	34%	29%	25%	21%	18%	15%	12%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
20.8°	40°	60.5°	99.1%	97.6%