

## Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-IC-R-HI3500-25-EL1-2-500-FLR-2-BV

Trim Model:

FLR-2-BV-WH

Date:

8/10/2022



Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3451 K

CIE 1931:

x: 0.407  
y: 0.389

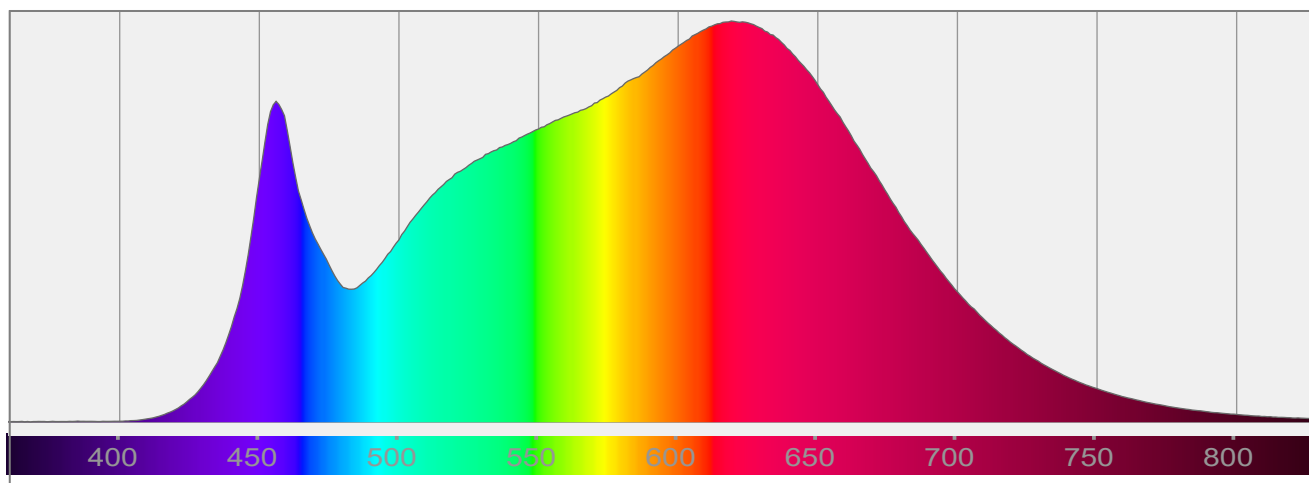
Output: 1334 lm

Peak: 4070 cd

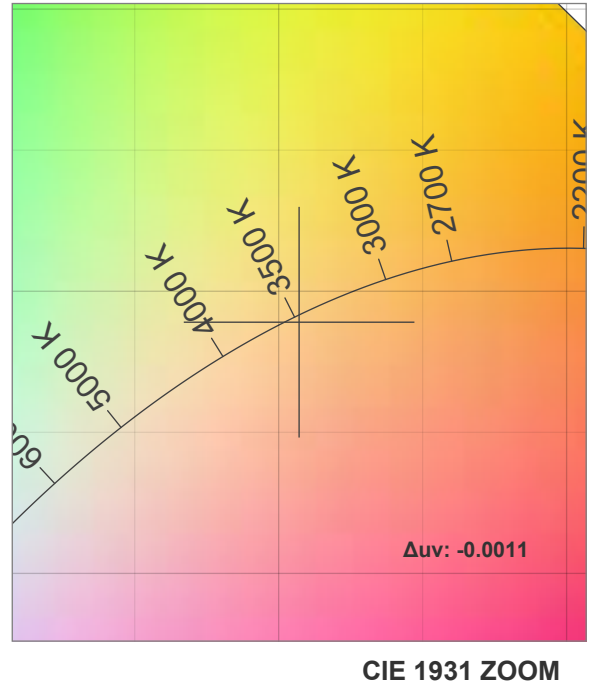
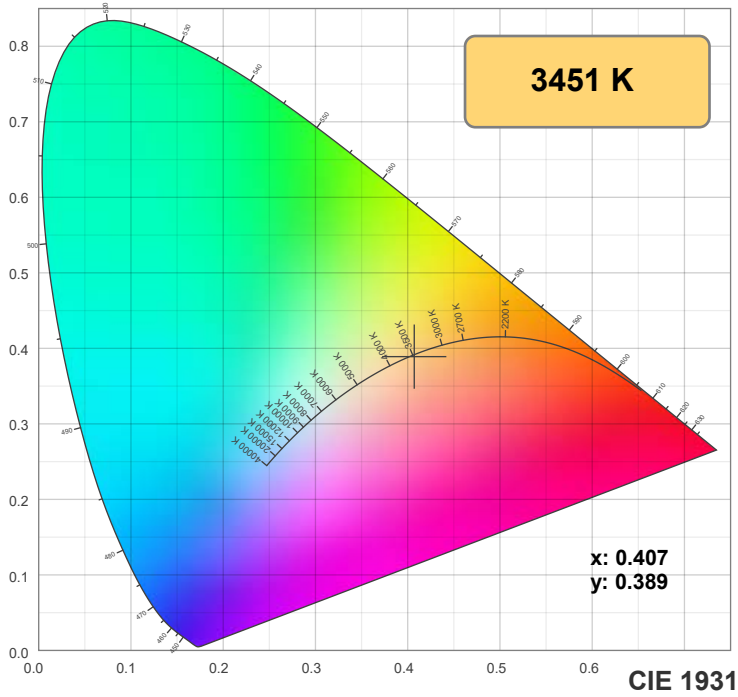
Power: 19.5 W

PF: 0.98

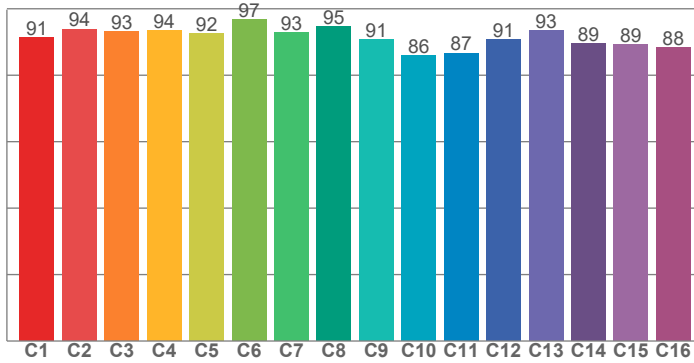
Spectra:



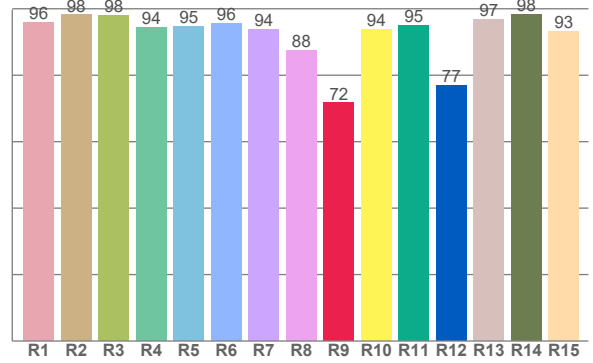
## Color Details



**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	98.1	98.0	94.4	94.6	95.7	93.8	87.6	71.7	93.8	95.0	76.9	96.8	98.4	93.1

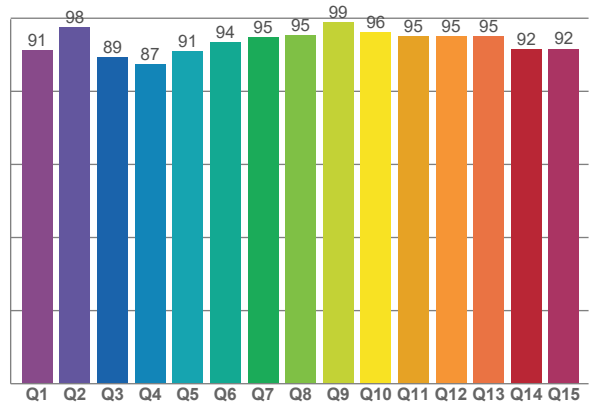
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.3	93.9	93.2	93.6	92.5	96.9	93.0	94.6	90.8	85.9	86.7	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	87.5	90.9	93.5	94.7	95.2	98.9	96.1	95.2	95.0	95.1	91.5	91.6

**CQS: 92.9**



**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	92.9	0.407	0.389	0.238	0.341	-0.0011

# TM-30 Details

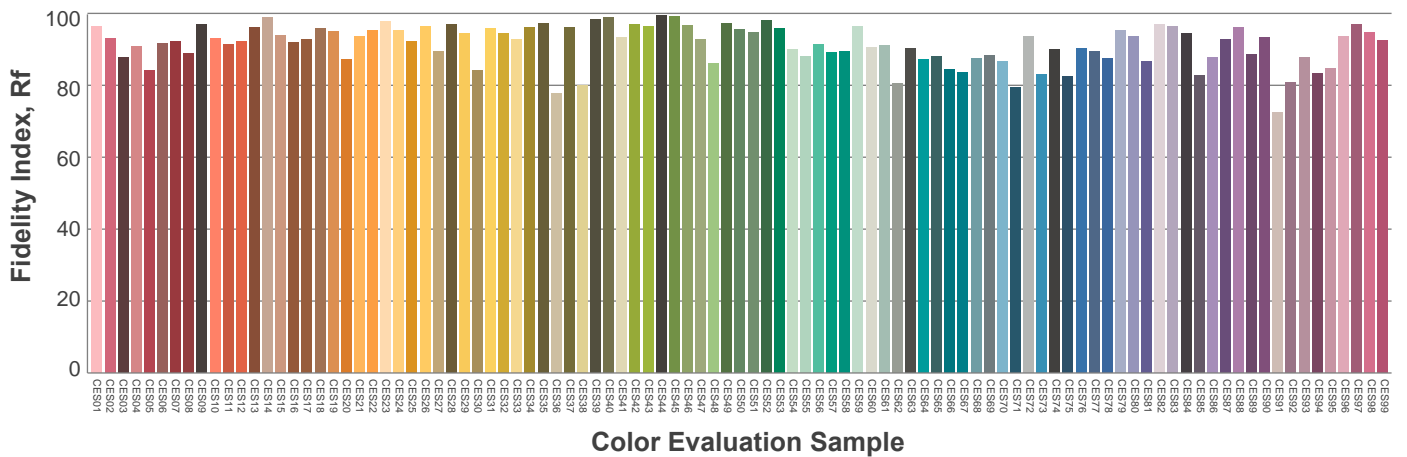
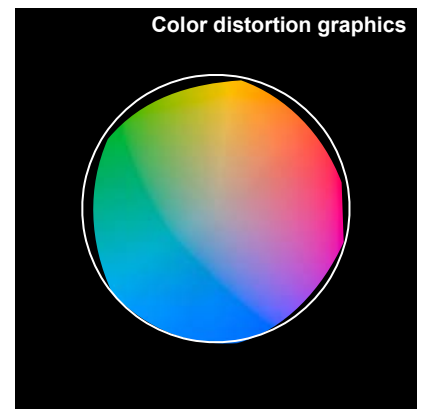
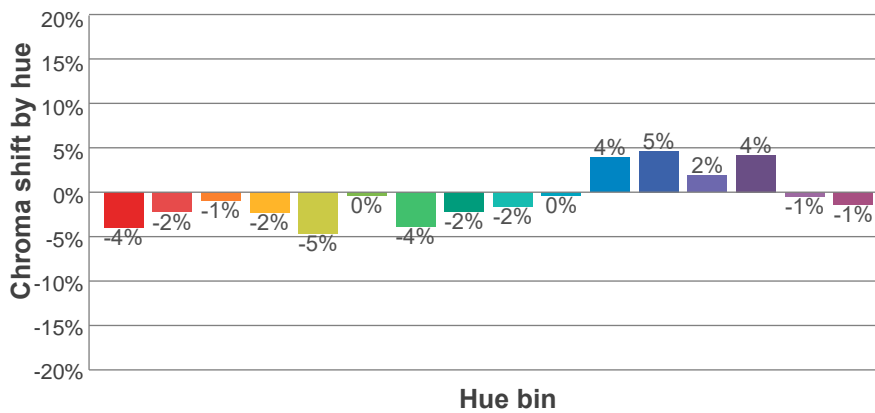
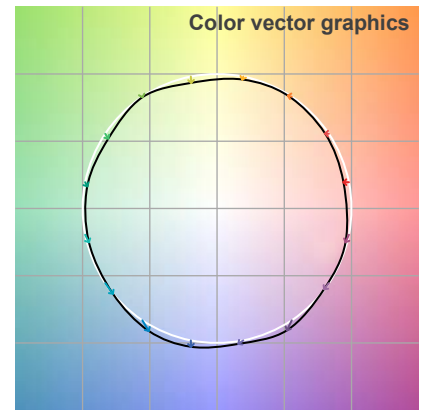
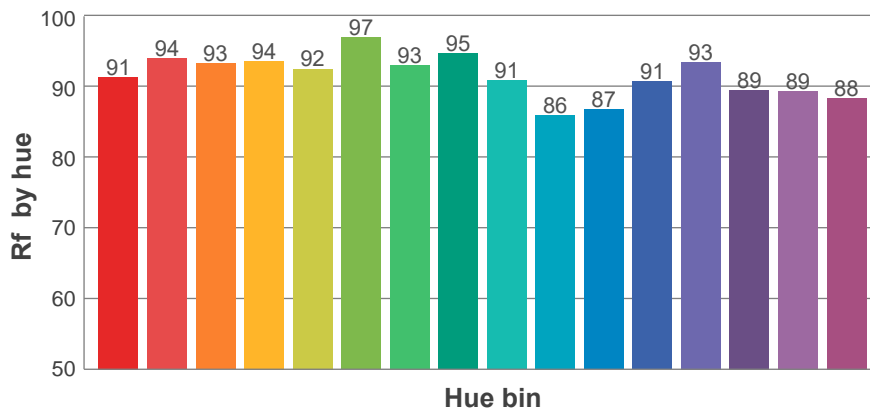
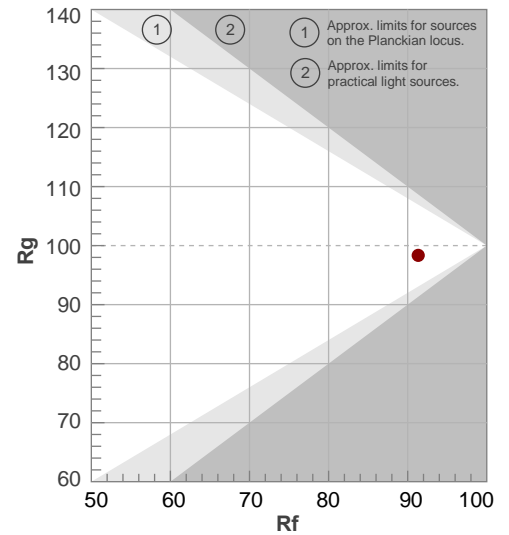
**Rf 91.3**

Fidelity index Rf

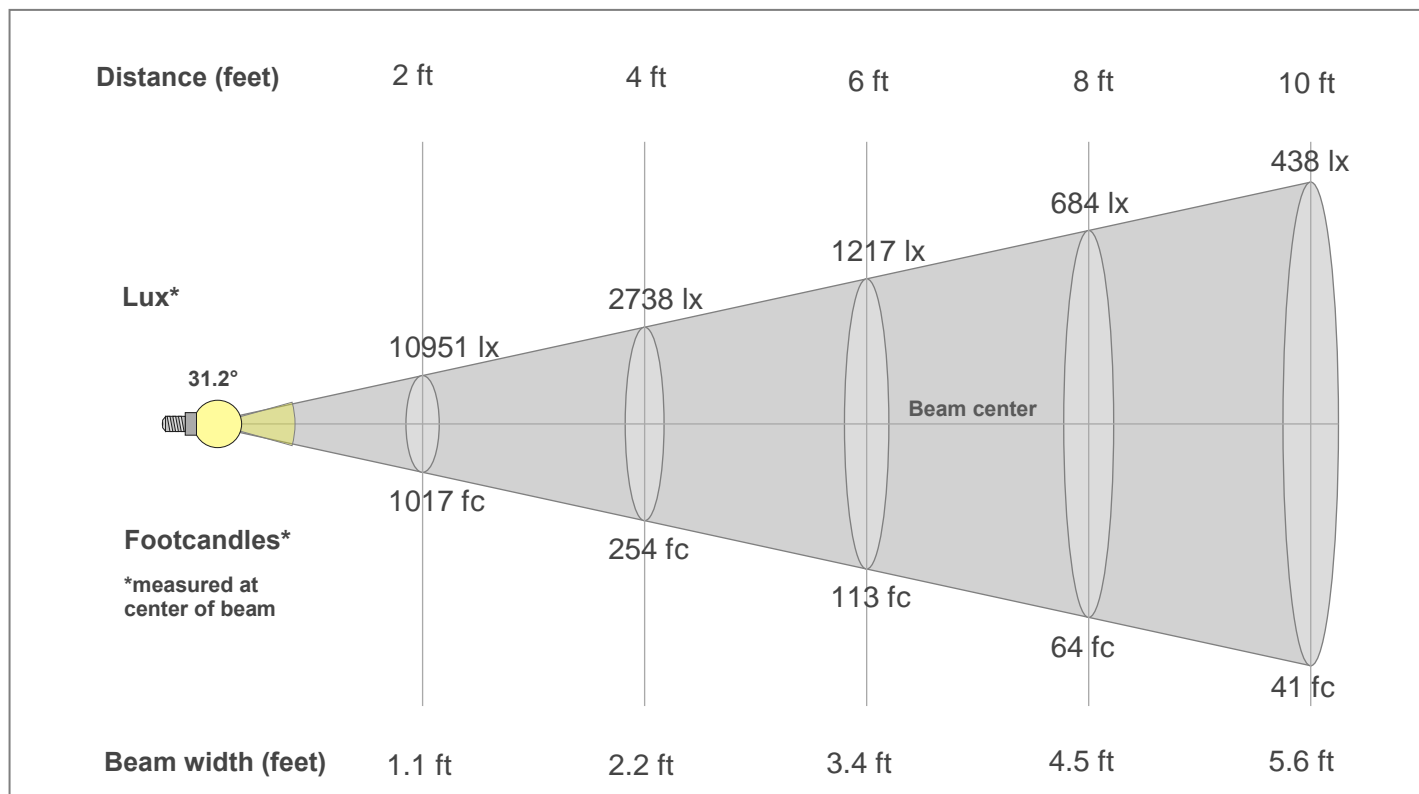
**Rg 98.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	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
4070lx	1017lx	452lx	254lx	163lx	113lx	83lx	64lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
378.1fc	94.5fc	42fc	23.6fc	15.1fc	10.5fc	7.7fc	5.9fc	4.7fc	3.8fc	3.1fc	2.6fc	2.2fc	1.9fc	1.7fc	1.5fc	1.3fc	1.2fc	1fc	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°
4070	4033	3923	3743	3496	3184	2811	2392	1951	1524	1149	849	628	472	362	282	220	168	124	89
100%	99%	96%	92%	86%	78%	69%	59%	48%	37%	28%	21%	15%	12%	9%	7%	5%	4%	3%	2%

### 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°
4070	4033	3923	3743	3496	3184	2811	2392	1951	1524	1149	849	628	472	362	282	220	168	124	89
100%	99%	96%	92%	86%	78%	69%	59%	48%	37%	28%	21%	15%	12%	9%	7%	5%	4%	3%	2%

### 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°
4070	4033	3923	3743	3496	3184	2811	2392	1951	1524	1149	849	628	472	362	282	220	168	124	89
100%	99%	96%	92%	86%	78%	69%	59%	48%	37%	28%	21%	15%	12%	9%	7%	5%	4%	3%	2%

### 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°
4070	4033	3923	3743	3496	3184	2811	2392	1951	1524	1149	849	628	472	362	282	220	168	124	89
100%	99%	96%	92%	86%	78%	69%	59%	48%	37%	28%	21%	15%	12%	9%	7%	5%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
31.2°	54.2°	74.3°	99.0%	97.8%