

## Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-R-HI3500-60-EL1-2-HD-FLR-2-NIC

Trim Model:

FLR-2-WH

Date:

8/10/2022



Light efficiency:

45 Lumen/Watt

Light quality:

CRI: 94.4

Color temperature:

3500 K

CIE 1931:

x: 0.404  
y: 0.387

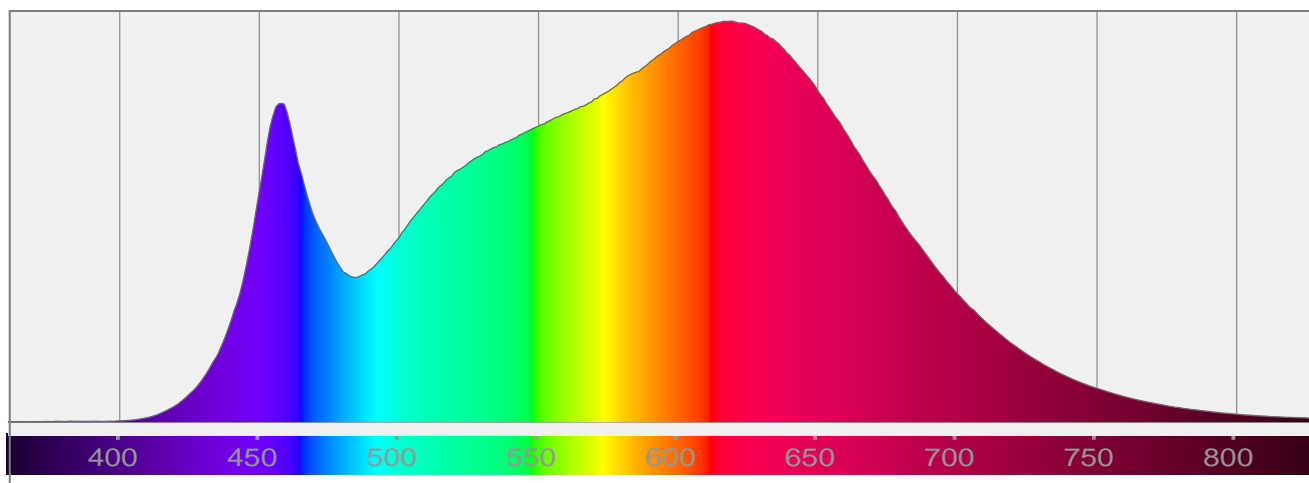
Output: 1185 lm

Peak: 2009 cd

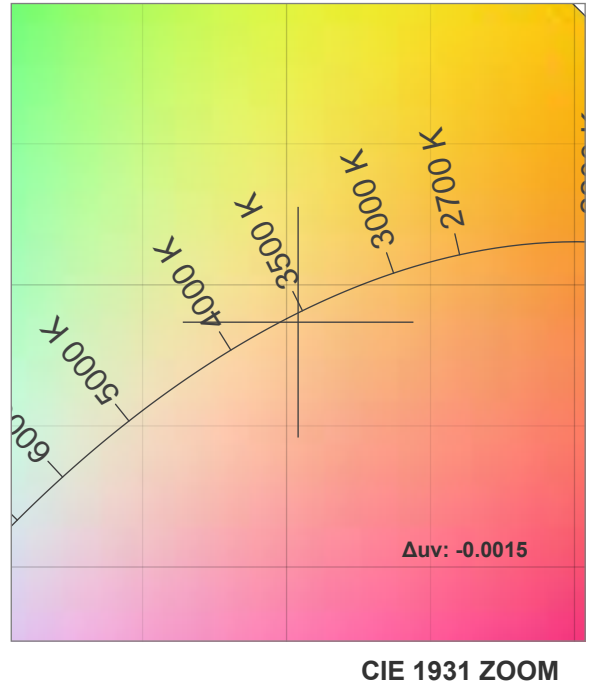
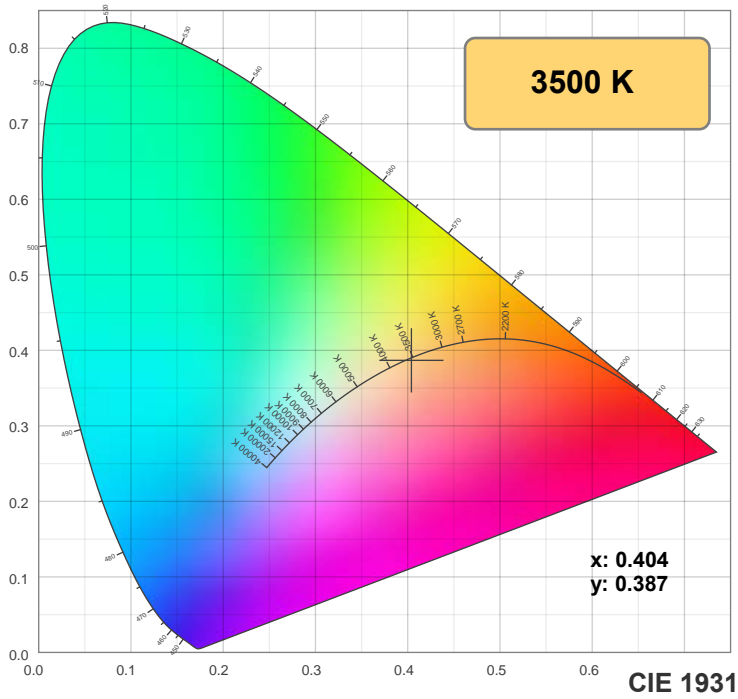
Power: 26.2 W

PF: 0.98

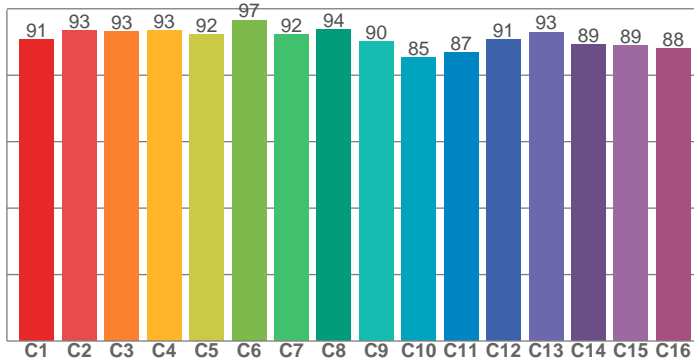
Spectra:



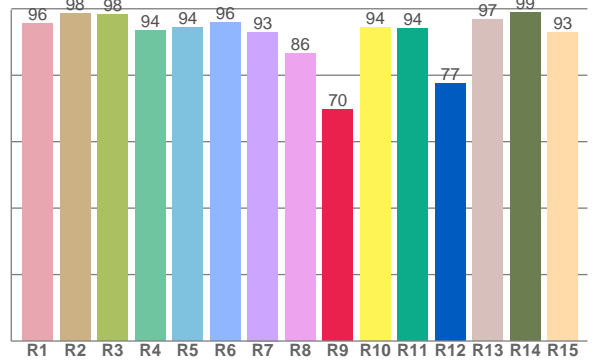
## Color Details



TM-30: 91.0



CRI: 94.4 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.5	98.5	98.4	93.6	94.3	95.8	93.0	86.5	69.7	94.5	94.2	77.5	96.8	98.9	92.8

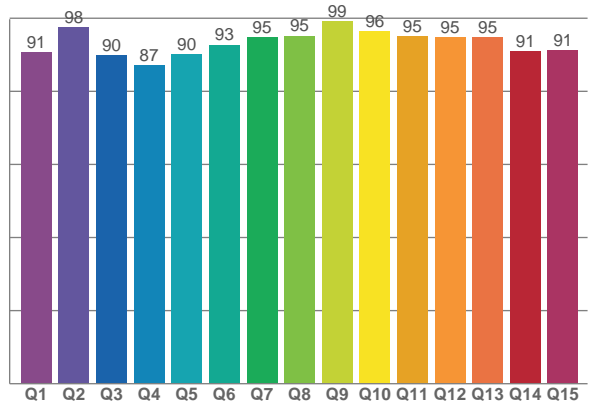
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	93.5	93.2	93.3	92.3	96.6	92.2	93.8	90.0	85.2	86.9	90.8	93.0	89.2	88.9	87.9

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.8	97.5	89.8	87.2	90.2	92.7	94.9	95.2	99.3	96.4	95.1	94.7	94.8	91.0	91.2

CQS: 92.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3500 K	94.4	69.7	91.0	97.8	92.7	0.404	0.387	0.237	0.340	-0.0015

# TM-30 Details

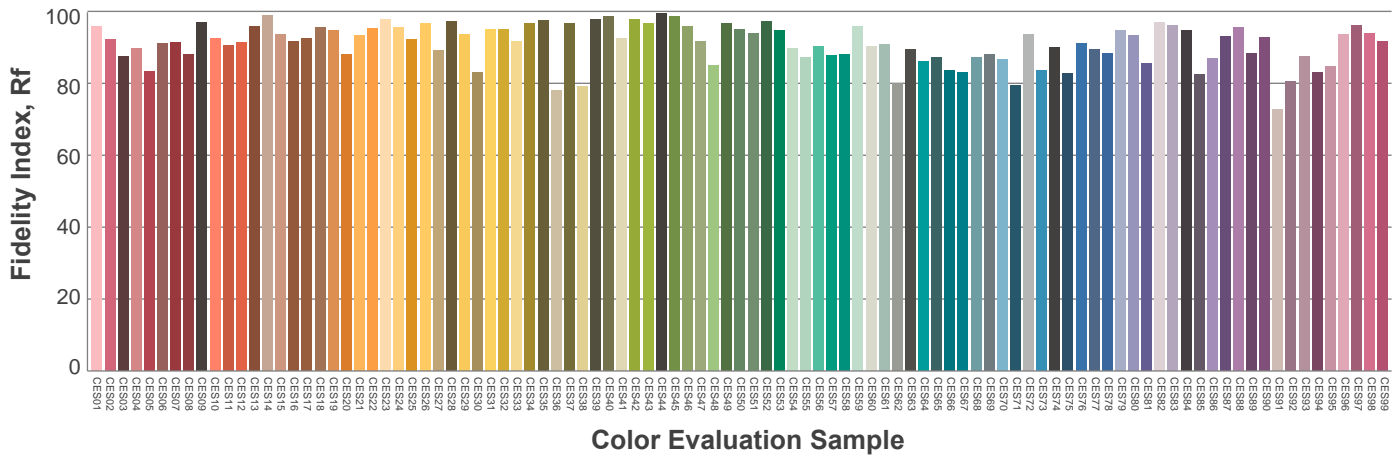
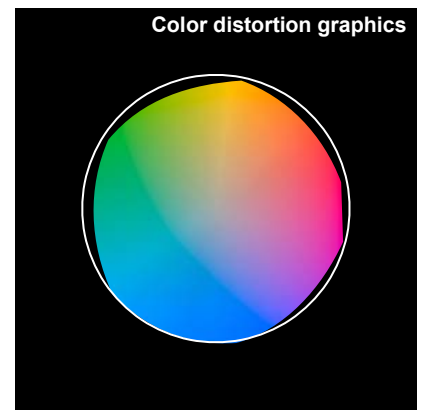
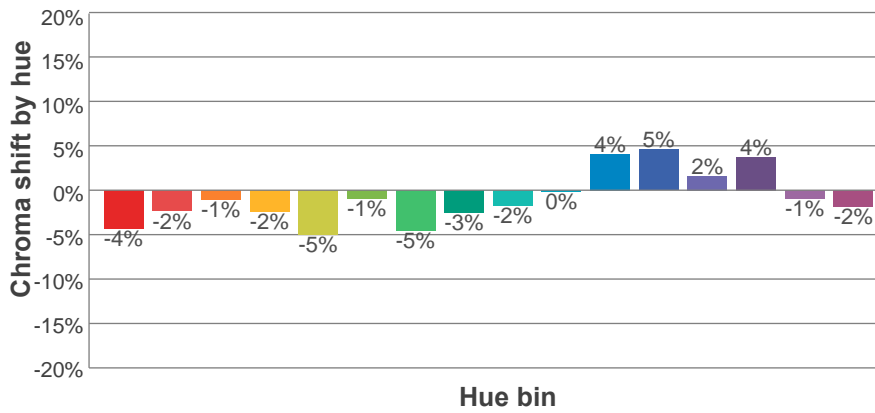
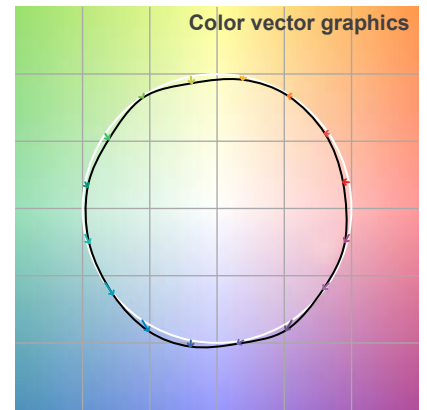
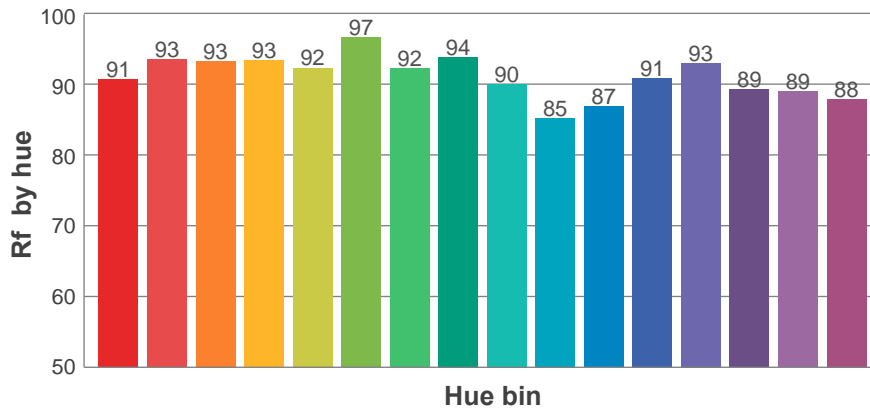
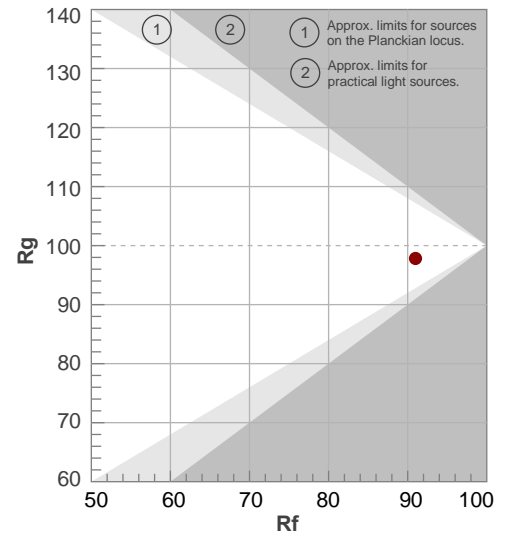
**Rf 91.0**

Fidelity index Rf

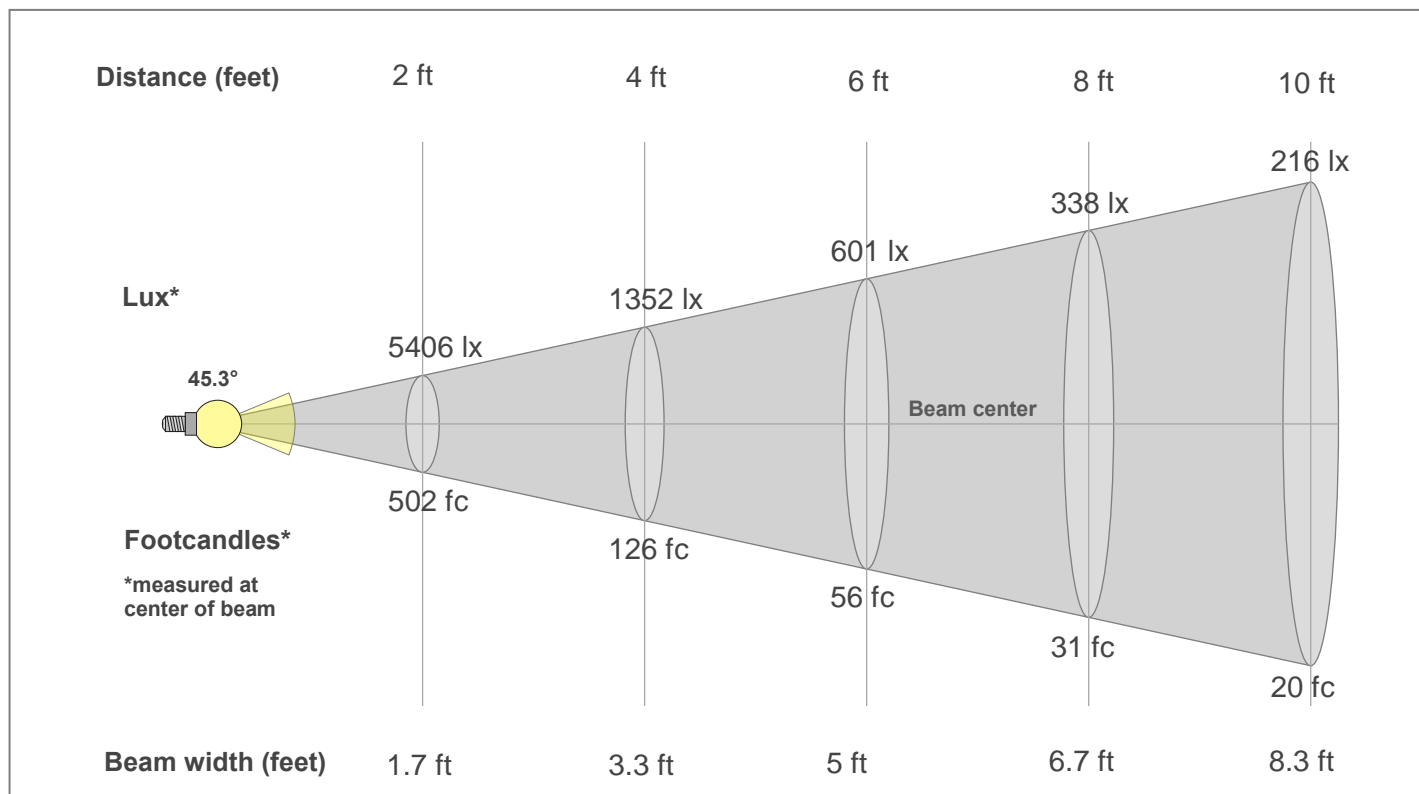
**Rg 97.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	93	-2%	2%
3	93	-1%	3%
4	93	-2%	0%
5	92	-5%	0%
6	97	-1%	0%
7	92	-5%	2%
8	94	-3%	3%
9	90	-2%	7%
10	85	0%	10%
11	87	4%	8%
12	91	5%	1%
13	93	2%	-5%
14	89	4%	-8%
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
2009lx	502lx	223lx	126lx	80lx	56lx	41lx	31lx	25lx	20lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx	5lx
186.6fc	46.7fc	20.7fc	11.7fc	7.5fc	5.2fc	3.8fc	2.9fc	2.3fc	1.9fc	1.5fc	1.3fc	1.1fc	1fc	0.8fc	0.7fc	0.6fc	0.6fc	0.5fc	0.5fc

### 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°
2009	2009	2008	2003	1994	1989	1966	1927	1848	1658	1390	1094	820	637	532	438	341	244	138	53
100%	100%	100%	100%	99%	99%	98%	96%	92%	83%	69%	54%	41%	32%	26%	22%	17%	12%	7%	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°
2009	2009	2008	2003	1994	1989	1966	1927	1848	1658	1390	1094	820	637	532	438	341	244	138	53
100%	100%	100%	100%	99%	99%	98%	96%	92%	83%	69%	54%	41%	32%	26%	22%	17%	12%	7%	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°
2009	2009	2008	2003	1994	1989	1966	1927	1848	1658	1390	1094	820	637	532	438	341	244	138	53
100%	100%	100%	100%	99%	99%	98%	96%	92%	83%	69%	54%	41%	32%	26%	22%	17%	12%	7%	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°
2009	2009	2008	2003	1994	1989	1966	1927	1848	1658	1390	1094	820	637	532	438	341	244	138	53
100%	100%	100%	100%	99%	99%	98%	96%	92%	83%	69%	54%	41%	32%	26%	22%	17%	12%	7%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
45.3°	69.6°	76.4°	99.5%	99.3%