

## Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-IC-R-HI3500-40-EL1-2-500-FLR-2

Trim Model:

FLR-2-WH

Date:

8/10/2022



Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3459 K

CIE 1931:

x: 0.407  
y: 0.389

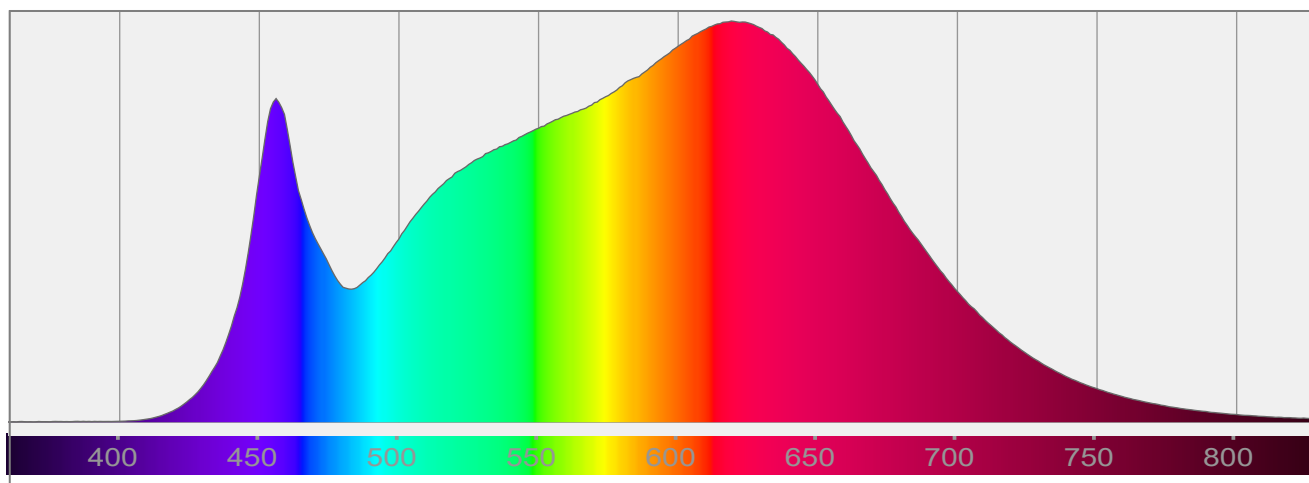
Output: 1228 lm

Peak: 3069 cd

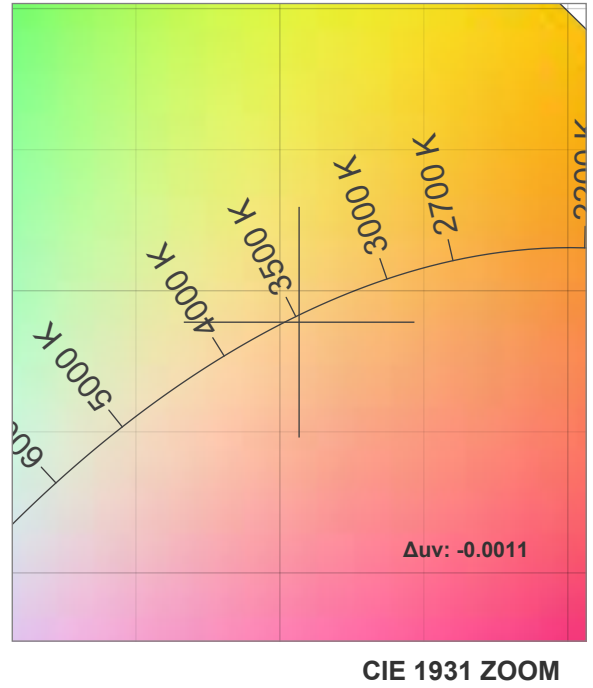
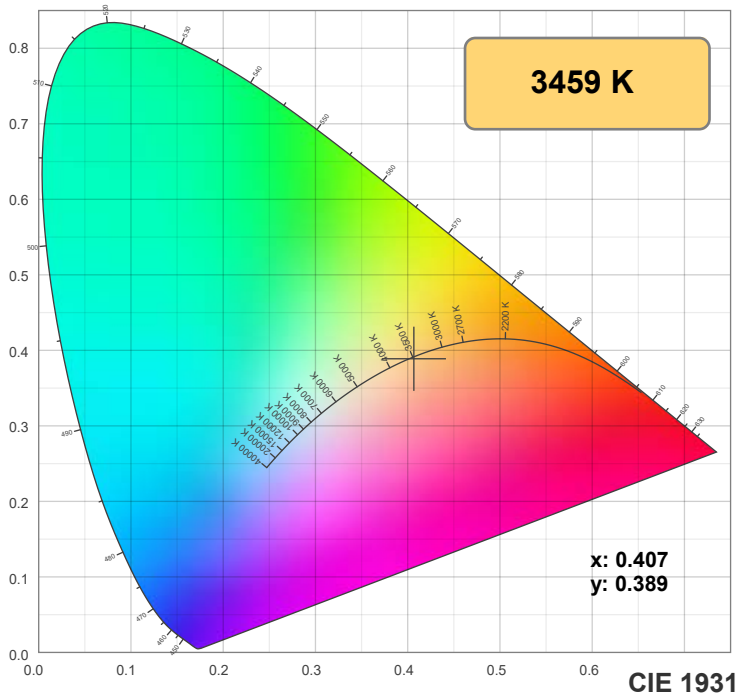
Power: 19.5 W

PF: 0.98

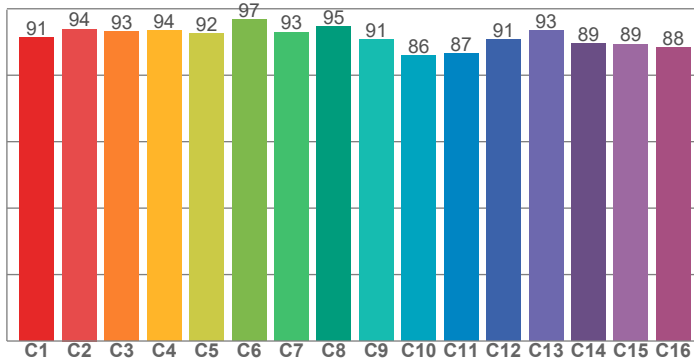
Spectra:



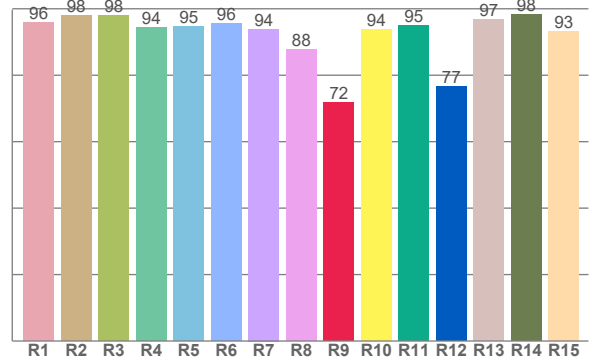
## Color Details



**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	94.5	94.6	95.6	93.9	87.7	71.9	93.7	95.1	76.7	96.9	98.4	93.2

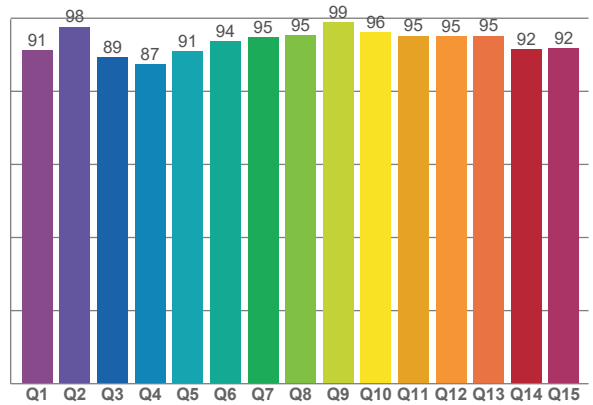
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.3	93.9	93.2	93.5	92.4	96.9	93.0	94.6	90.8	85.9	86.6	90.7	93.4	89.5	89.4	88.3

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.3	97.7	89.2	87.5	91.0	93.6	94.8	95.3	99.0	96.1	95.2	95.1	95.2	91.6	91.7

**CQS: 92.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3459 K	94.8	71.9	91.3	98.4	92.9	0.407	0.389	0.237	0.340	-0.0011

# TM-30 Details

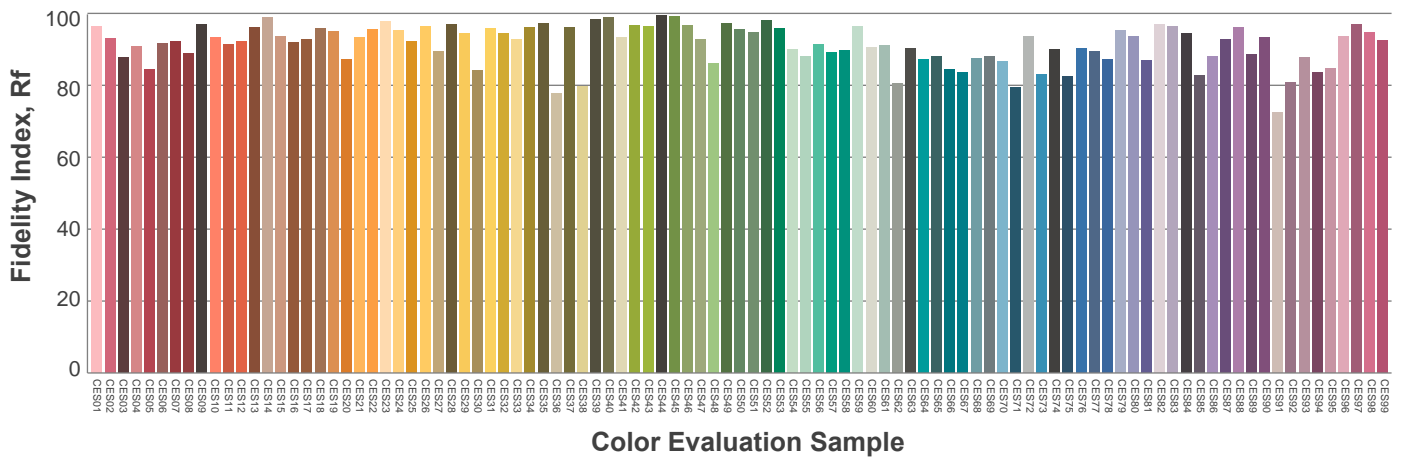
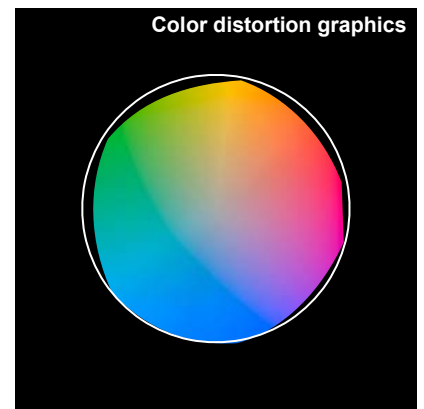
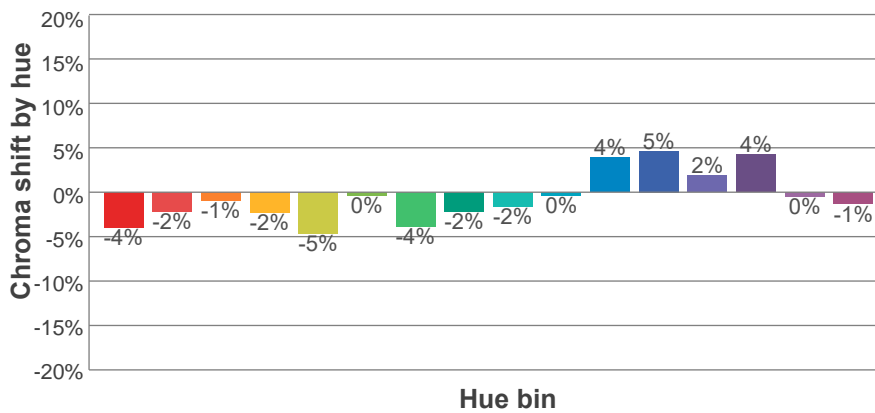
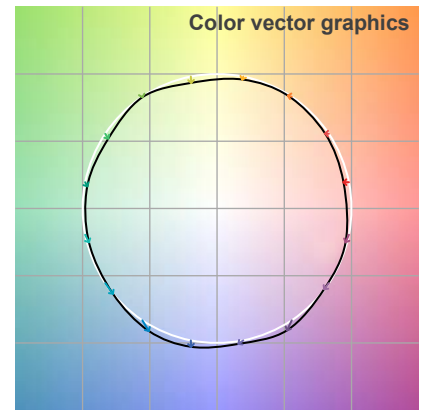
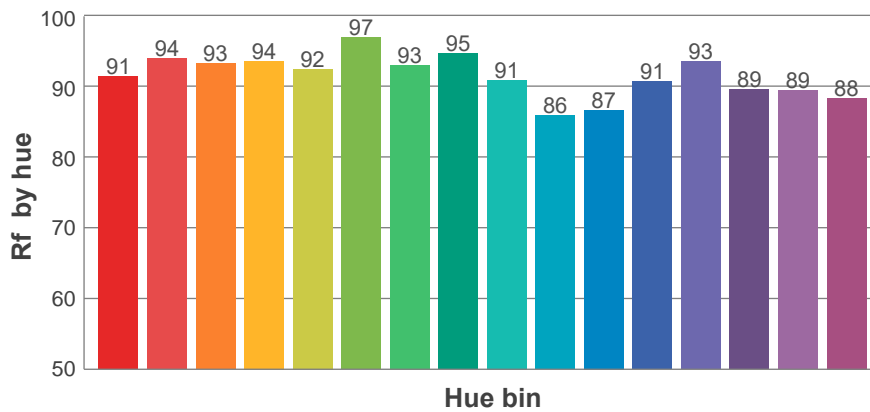
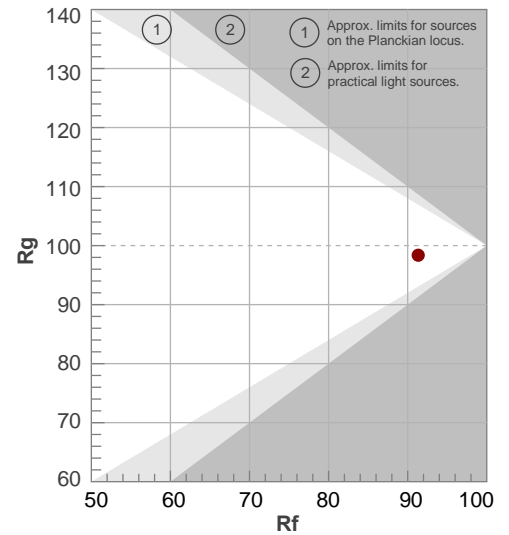
**Rf 91.3**

Fidelity index Rf

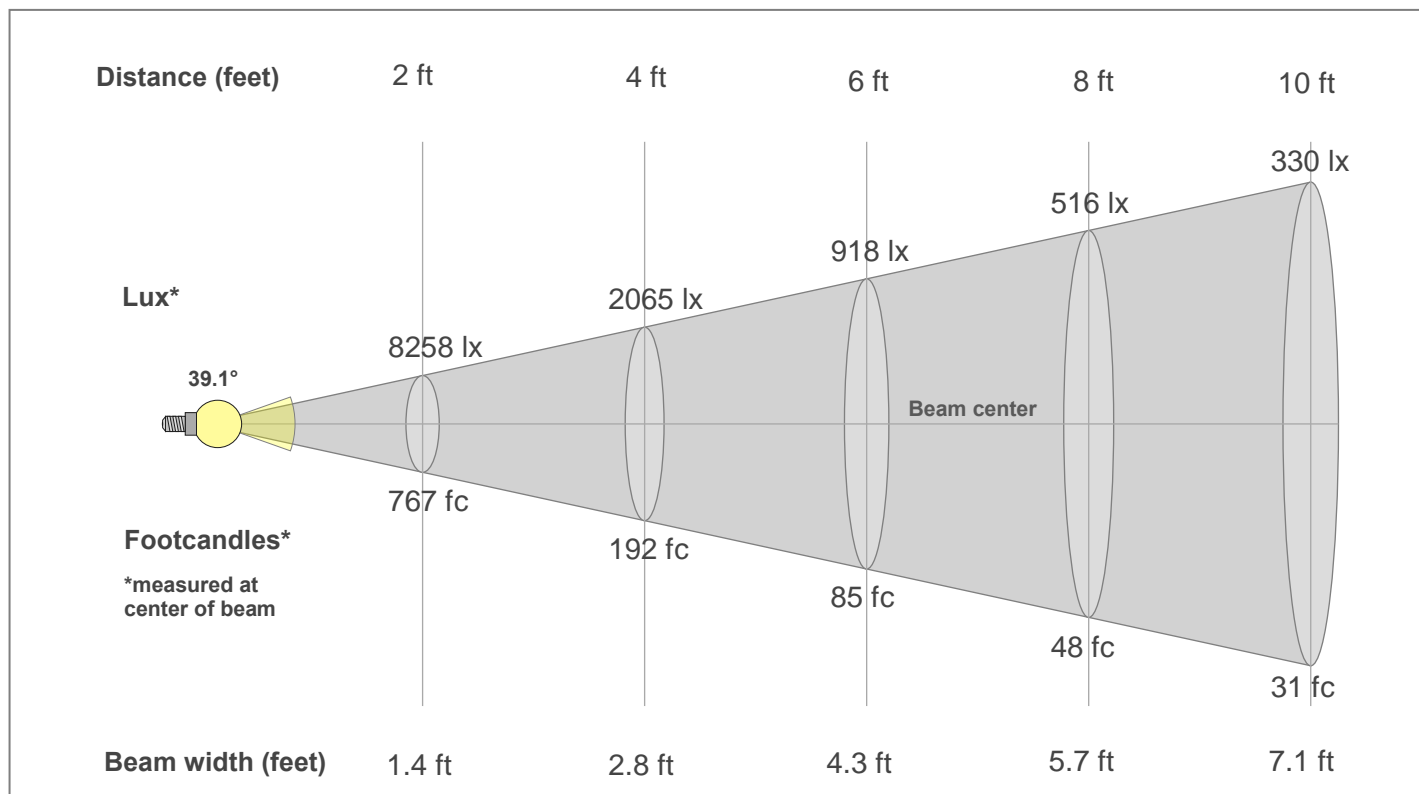
**Rg 98.4**

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	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
3069lx	767lx	341lx	192lx	123lx	85lx	63lx	48lx	38lx	31lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	9lx	9lx	8lx
285.1fc	71.3fc	31.7fc	17.8fc	11.4fc	7.9fc	5.8fc	4.5fc	3.5fc	2.9fc	2.4fc	2fc	1.7fc	1.5fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc

### 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°
3069	3068	3064	3041	2997	2912	2756	2525	2225	1859	1431	1001	646	404	257	162	102	59	28	12
100%	100%	100%	99%	98%	95%	90%	82%	72%	61%	47%	33%	21%	13%	8%	5%	3%	2%	1%	0%

### 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°
3069	3068	3064	3041	2997	2912	2756	2525	2225	1859	1431	1001	646	404	257	162	102	59	28	12
100%	100%	100%	99%	98%	95%	90%	82%	72%	61%	47%	33%	21%	13%	8%	5%	3%	2%	1%	0%

### 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°
3069	3068	3064	3041	2997	2912	2756	2525	2225	1859	1431	1001	646	404	257	162	102	59	28	12
100%	100%	100%	99%	98%	95%	90%	82%	72%	61%	47%	33%	21%	13%	8%	5%	3%	2%	1%	0%

### 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°
3069	3068	3064	3041	2997	2912	2756	2525	2225	1859	1431	1001	646	404	257	162	102	59	28	12
100%	100%	100%	99%	98%	95%	90%	82%	72%	61%	47%	33%	21%	13%	8%	5%	3%	2%	1%	0%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
39.1°	54.4°	66.2°	99.5%	99.4%