

## Photometric / Colorimetric / Electric Report

Fixture Model:

**200-HD-R-HI3500-15-EL1-2-650-FLR-2-NIC**

Trim Model:

**FLR-2-WH**

Date:

**8/10/2022**



Light efficiency:

**49 Lumen/Watt**

Light quality:

**CRI: 94.4**

Color temperature:

**3499 K**

CIE 1931:

**x: 0.404  
y: 0.387**

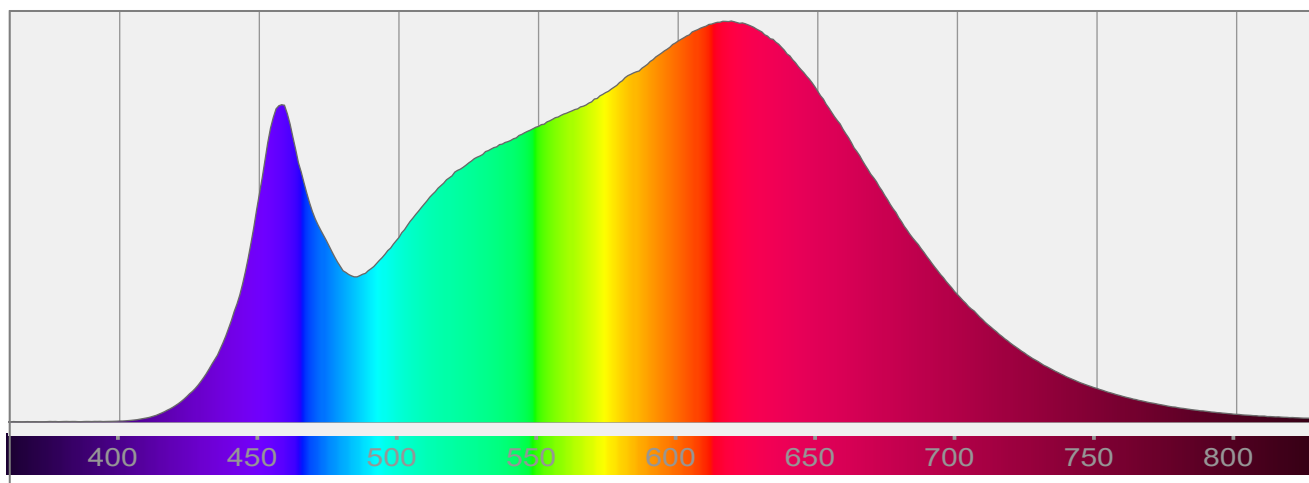
**Output: 1290 lm**

**Peak: 9329 cd**

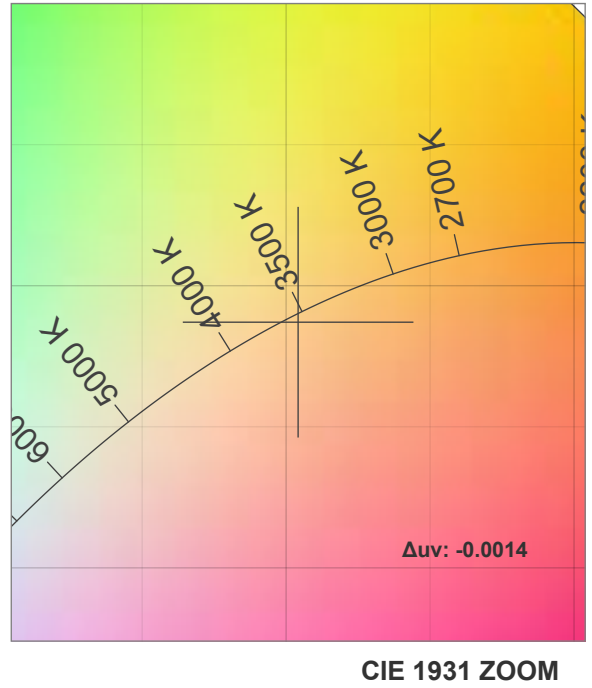
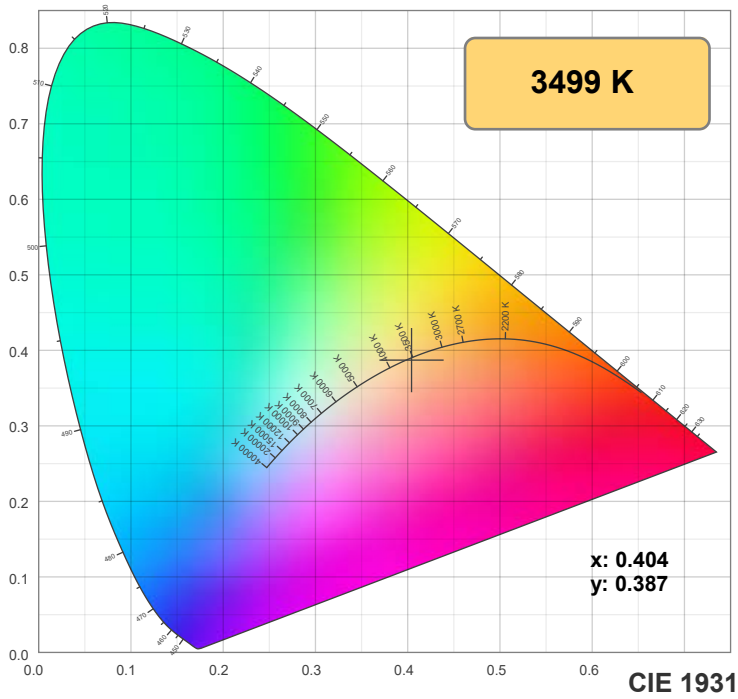
**Power: 26.2 W**

**PF: 0.98**

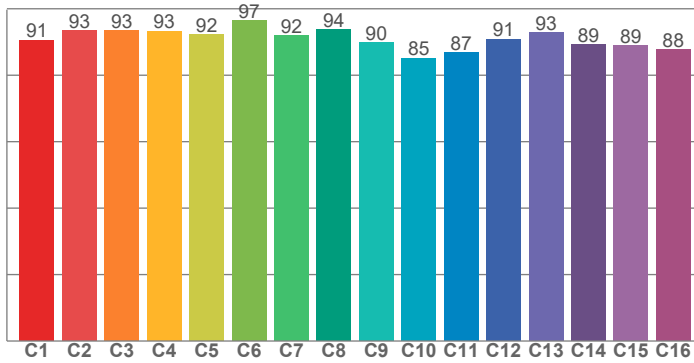
Spectra:



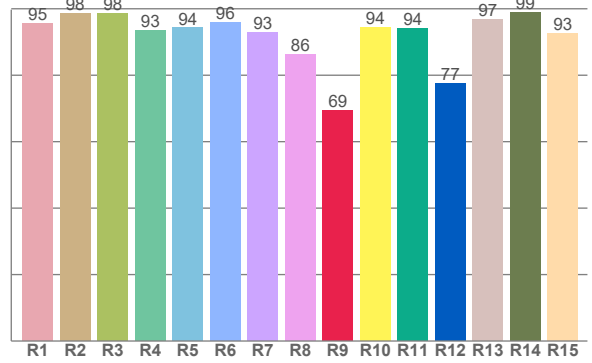
## Color Details



**TM-30: 90.9**



**CRI: 94.4 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.4	98.5	98.5	93.5	94.2	95.8	92.9	86.3	69.3	94.5	94.1	77.5	96.8	98.9	92.6

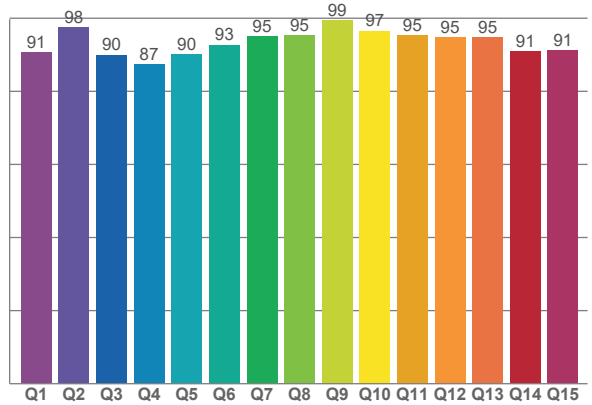
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.6	93.4	93.3	93.3	92.3	96.5	92.0	93.7	89.9	85.1	86.9	90.9	92.9	89.2	88.8	87.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.7	97.6	90.0	87.4	90.2	92.7	95.0	95.3	99.4	96.6	95.2	94.9	94.9	91.0	91.2

**CQS: 92.8**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3499 K	94.4	69.3	90.9	97.7	92.8	0.404	0.387	0.236	0.340	-0.0014

# TM-30 Details

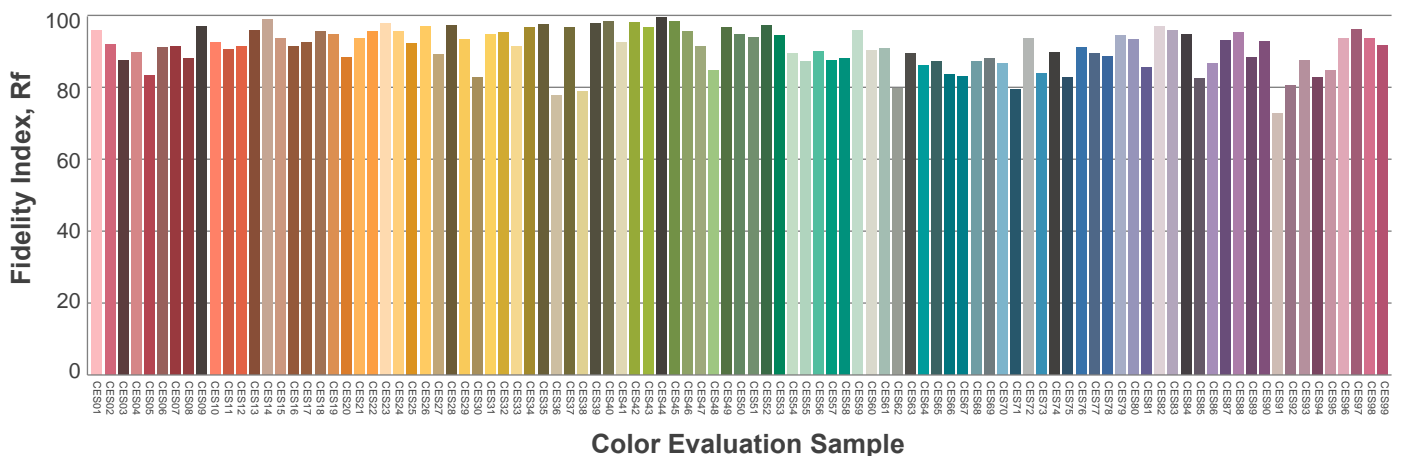
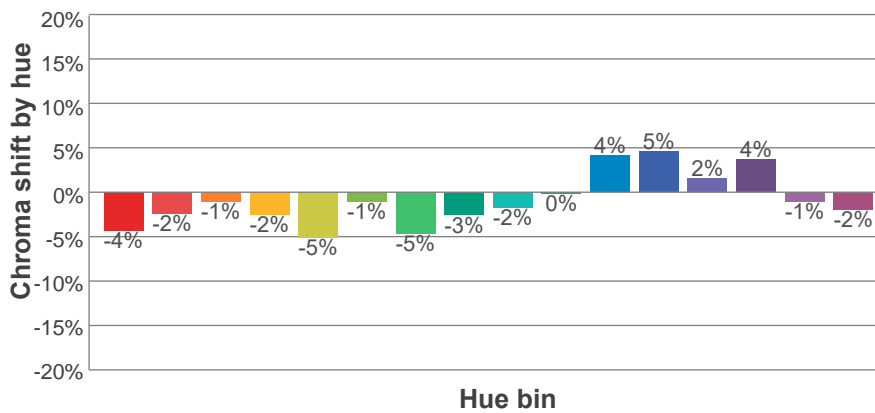
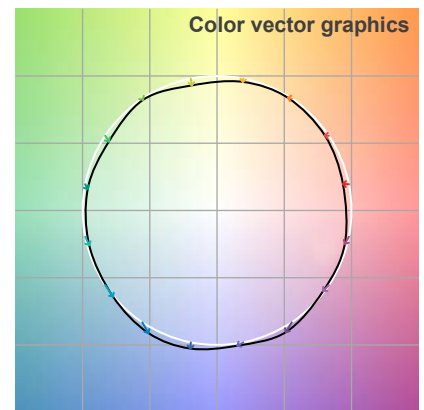
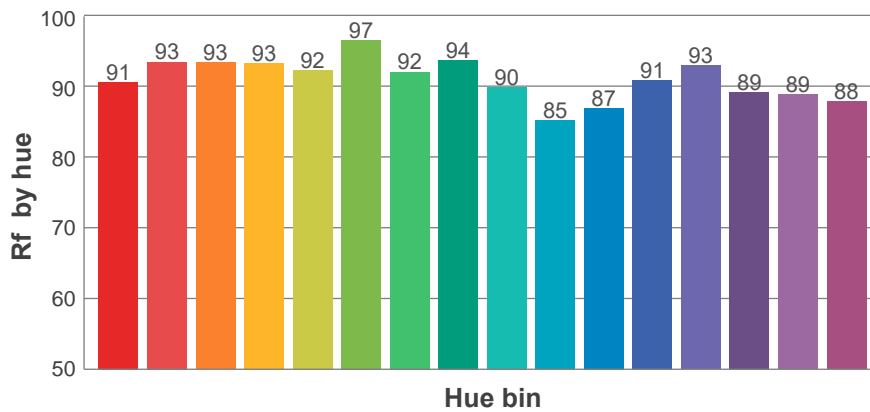
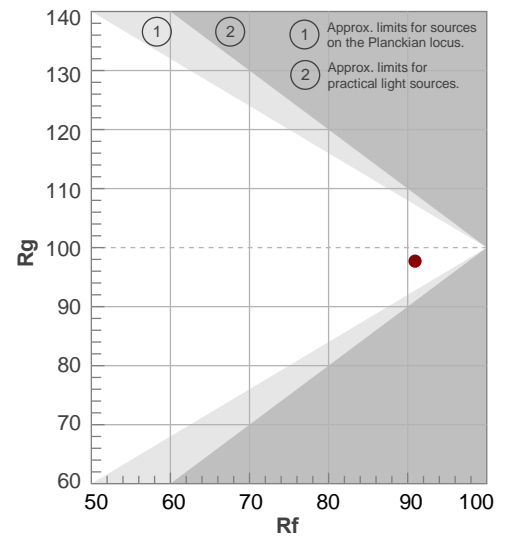
**Rf 90.9**

Fidelity index Rf

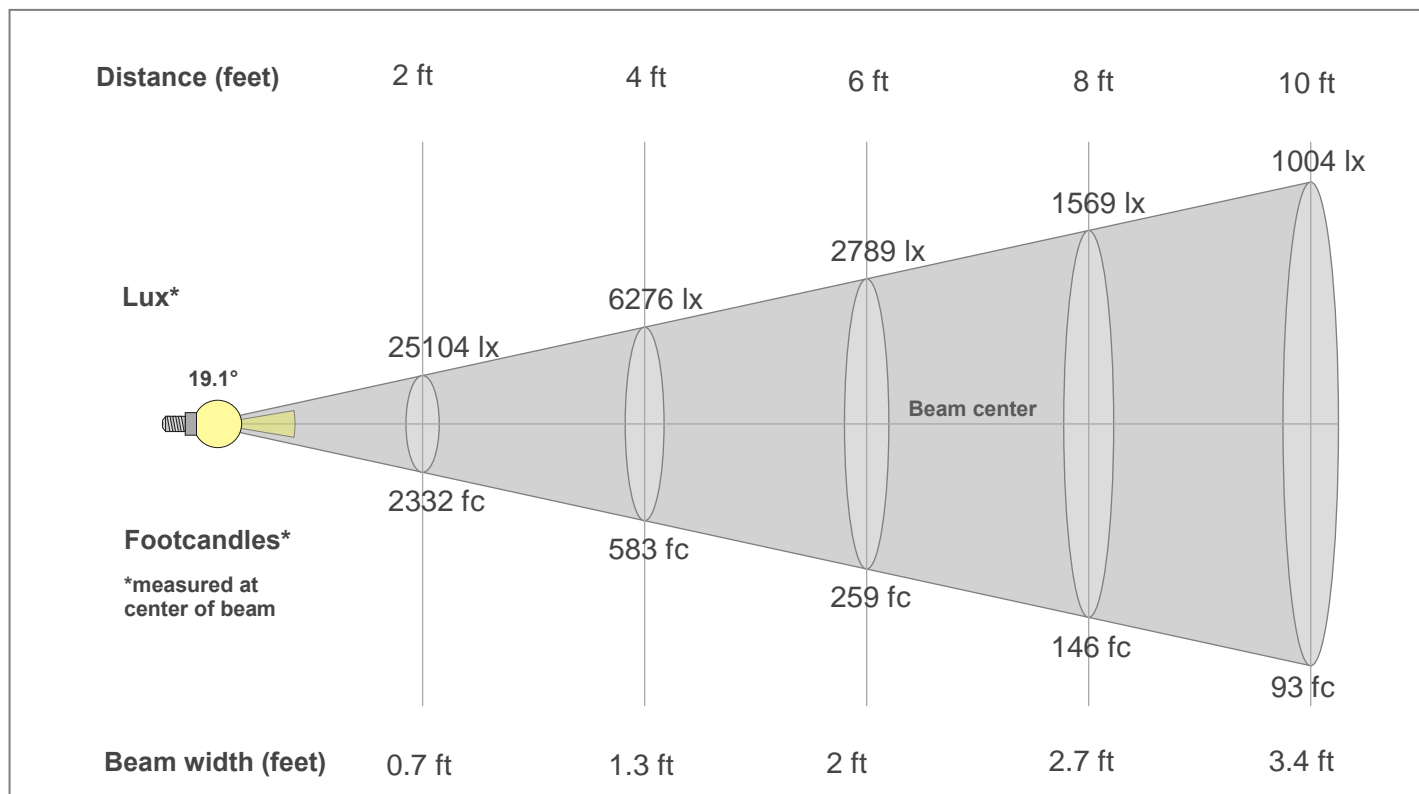
**Rg 97.7**

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%	0%
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
9329lx	2332lx	1037lx	583lx	373lx	259lx	190lx	146lx	115lx	93lx	77lx	65lx	55lx	48lx	41lx	36lx	32lx	29lx	26lx	23lx
866.7fc	216.7fc	96.3fc	54.2fc	34.7fc	24.1fc	17.7fc	13.5fc	10.7fc	8.7fc	7.2fc	6fc	5.1fc	4.4fc	3.9fc	3.4fc	3fc	2.7fc	2.4fc	2.2fc

### 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°
9329	9230	8954	8523	7982	7387	6762	6138	5549	4975	4403	3841	3296	2796	2355	1970	1628	1327	1066	845
100%	99%	96%	91%	86%	79%	72%	66%	59%	53%	47%	41%	35%	30%	25%	21%	17%	14%	11%	9%

### 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°
9329	9230	8954	8523	7982	7387	6762	6138	5549	4975	4403	3841	3296	2796	2355	1970	1628	1327	1066	845
100%	99%	96%	91%	86%	79%	72%	66%	59%	53%	47%	41%	35%	30%	25%	21%	17%	14%	11%	9%

### 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°
9329	9230	8954	8523	7982	7387	6762	6138	5549	4975	4403	3841	3296	2796	2355	1970	1628	1327	1066	845
100%	99%	96%	91%	86%	79%	72%	66%	59%	53%	47%	41%	35%	30%	25%	21%	17%	14%	11%	9%

### 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°
9329	9230	8954	8523	7982	7387	6762	6138	5549	4975	4403	3841	3296	2796	2355	1970	1628	1327	1066	845
100%	99%	96%	91%	86%	79%	72%	66%	59%	53%	47%	41%	35%	30%	25%	21%	17%	14%	11%	9%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
19.1°	37.1°	48.3°	99.5%	99.3%