

## Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-R-HI3500-40-EL1-2-650-FLR-2-BV-NIC

Trim Model:

FLR-2-BV-WH

Date:

8/10/2022



Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 94.4

Color temperature:

3499 K

CIE 1931:

x: 0.404  
y: 0.387

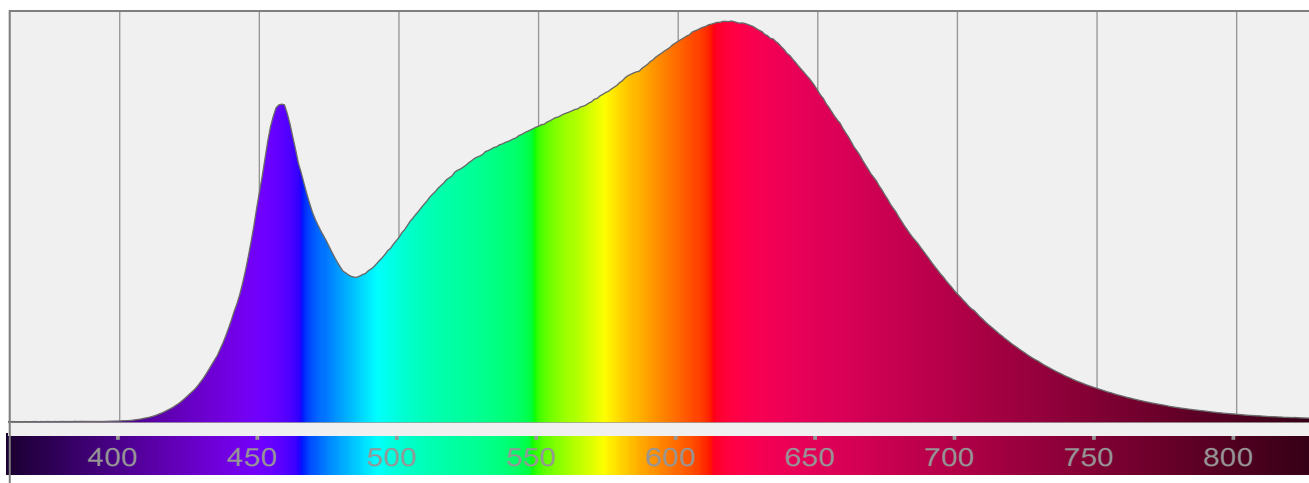
Output: 1884 lm

Peak: 3771 cd

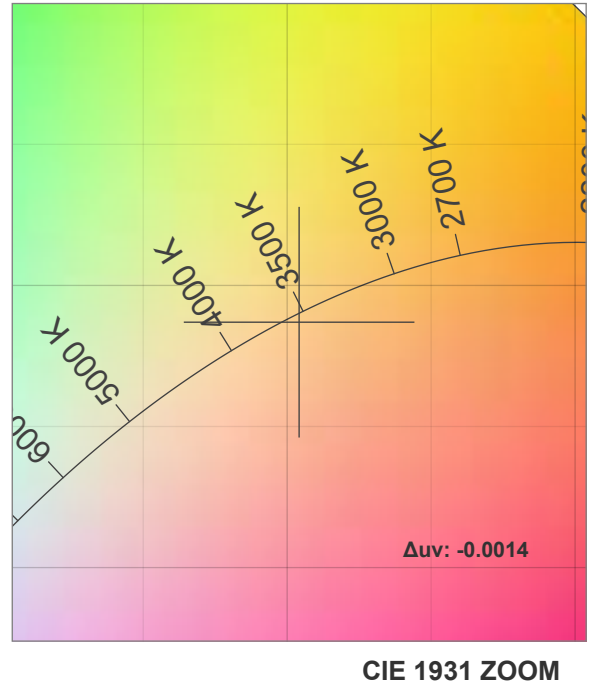
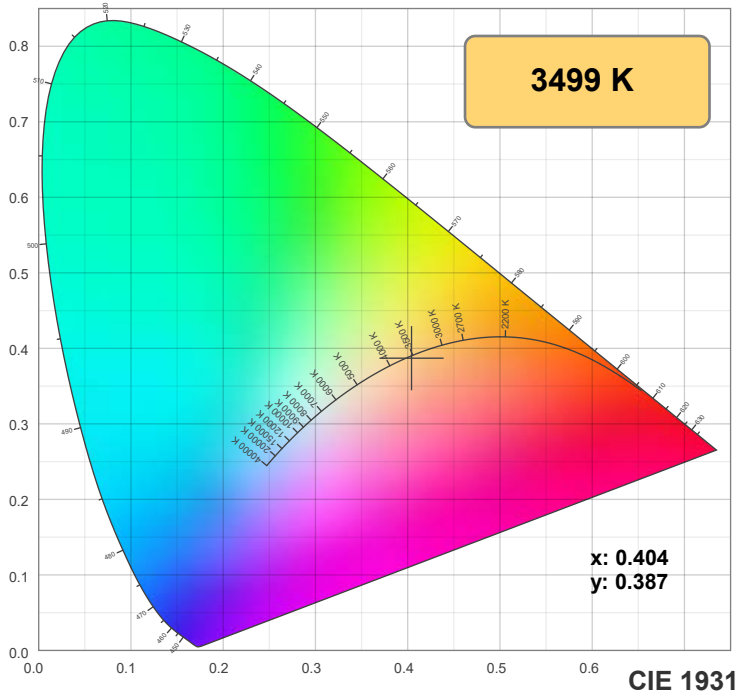
Power: 26.1 W

PF: 0.98

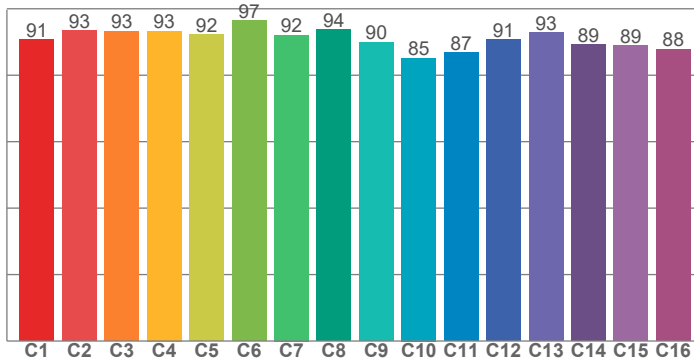
Spectra:



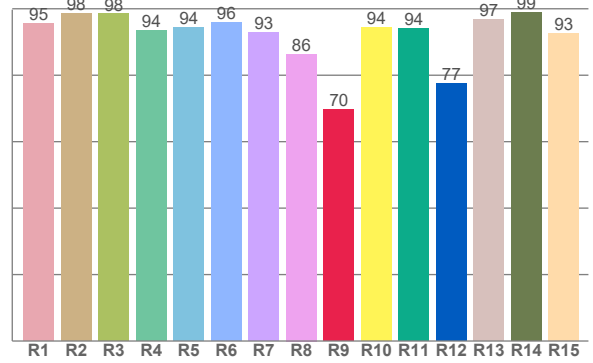
## Color Details



**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	86.4	69.6	94.5	94.2	77.5	96.8	98.9	92.7

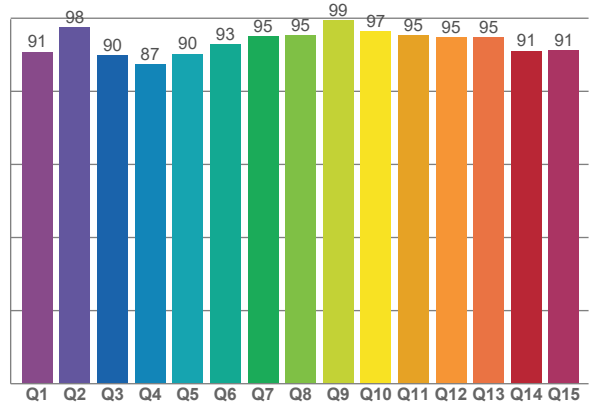
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.6	93.5	93.3	93.3	92.3	96.6	92.1	93.8	90.0	85.2	86.9	90.9	92.9	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	97.6	90.0	87.4	90.3	92.8	95.1	95.3	99.4	96.5	95.2	94.9	94.9	91.1	91.3

**CQS: 92.8**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3499 K	94.4	69.6	91.0	97.8	92.8	0.404	0.387	0.237	0.340	-0.0014

# TM-30 Details

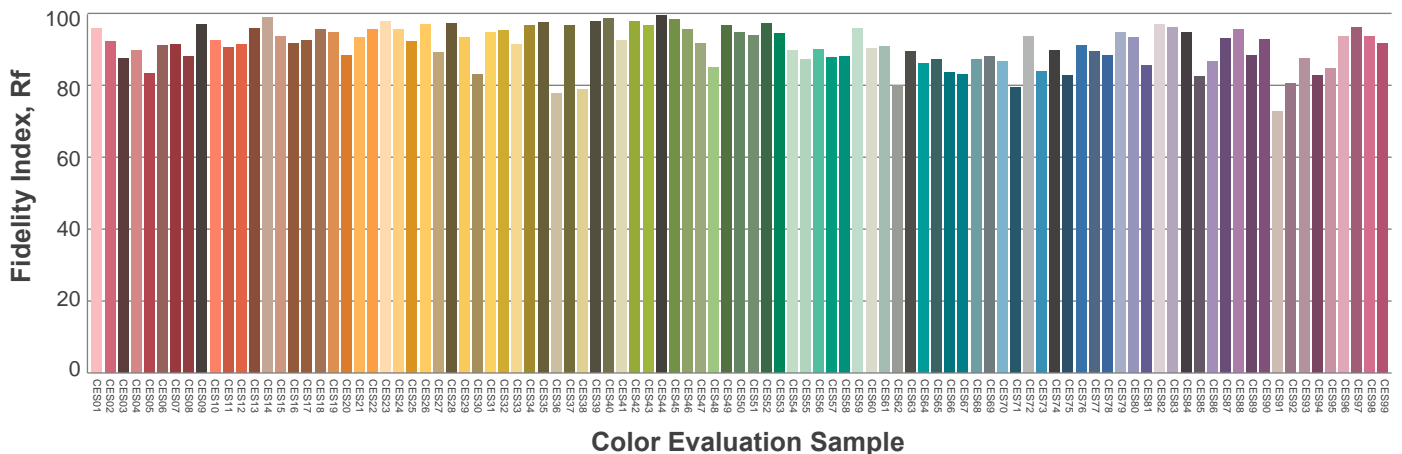
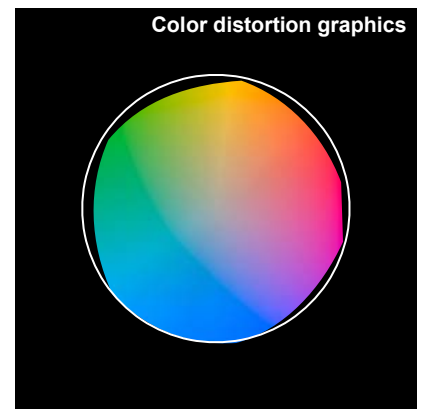
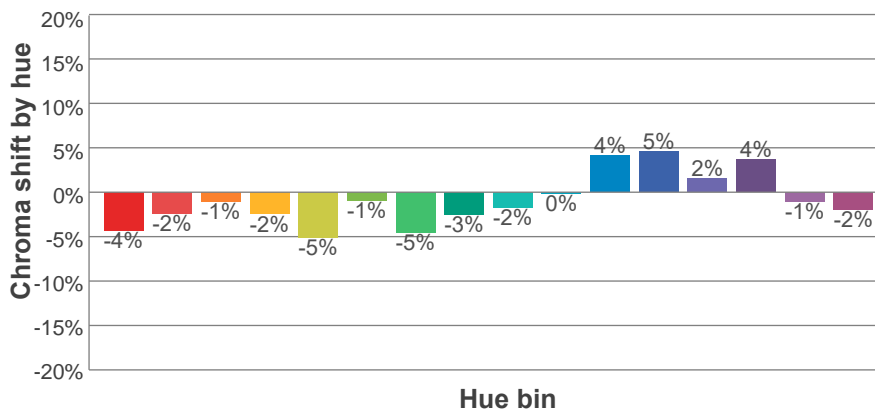
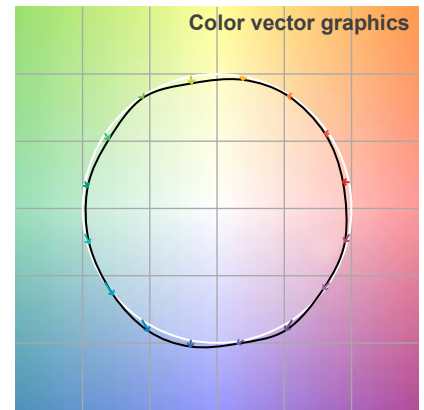
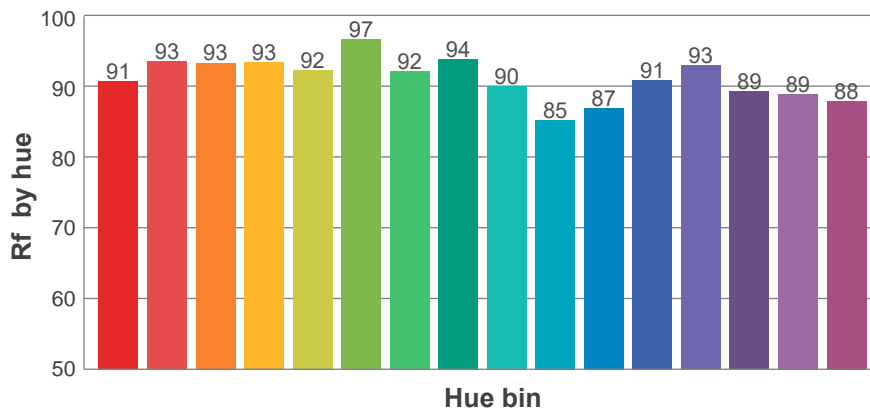
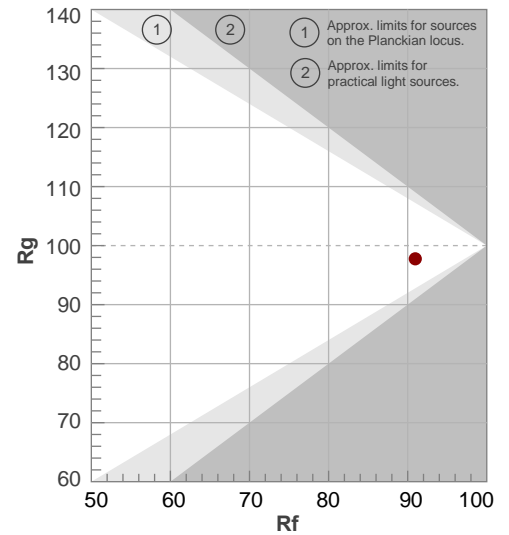
**Rf 91.0**

Fidelity index Rf

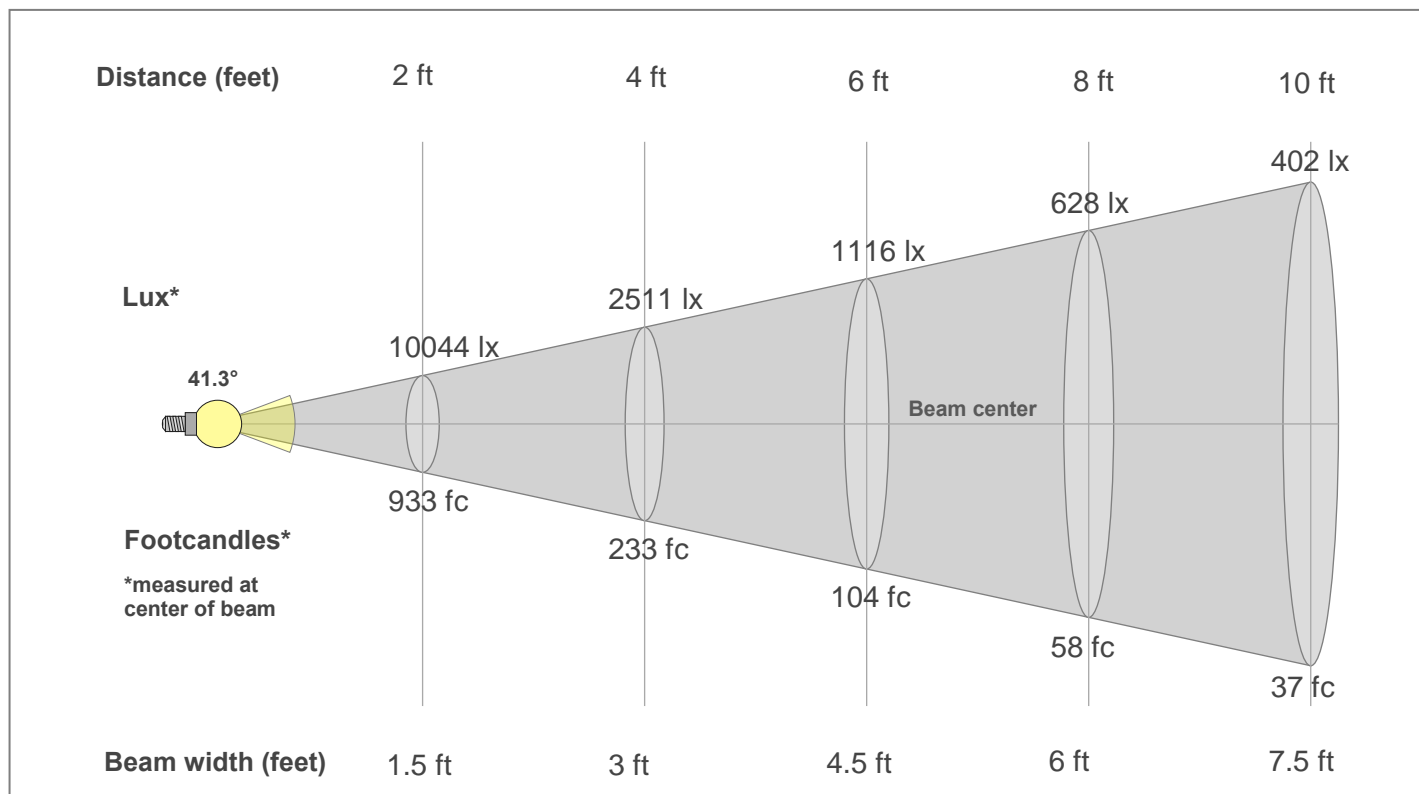
**Rg 97.8**

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
3732lx	933lx	415lx	233lx	149lx	104lx	76lx	58lx	46lx	37lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
346.7fc	86.7fc	38.5fc	21.7fc	13.9fc	9.6fc	7.1fc	5.4fc	4.3fc	3.5fc	2.9fc	2.4fc	2.1fc	1.8fc	1.5fc	1.4fc	1.2fc	1.1fc	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°
3732	3745	3767	3766	3733	3639	3452	3183	2842	2446	2022	1612	1242	928	688	517	393	292	200	123
100%	100%	101%	101%	100%	98%	92%	85%	76%	66%	54%	43%	33%	25%	18%	14%	11%	8%	5%	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°
3732	3745	3767	3766	3733	3639	3452	3183	2842	2446	2022	1612	1242	928	688	517	393	292	200	123
100%	100%	101%	101%	100%	98%	92%	85%	76%	66%	54%	43%	33%	25%	18%	14%	11%	8%	5%	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°
3732	3745	3767	3766	3733	3639	3452	3183	2842	2446	2022	1612	1242	928	688	517	393	292	200	123
100%	100%	101%	101%	100%	98%	92%	85%	76%	66%	54%	43%	33%	25%	18%	14%	11%	8%	5%	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°
3732	3745	3767	3766	3733	3639	3452	3183	2842	2446	2022	1612	1242	928	688	517	393	292	200	123
100%	100%	101%	101%	100%	98%	92%	85%	76%	66%	54%	43%	33%	25%	18%	14%	11%	8%	5%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
41.3°	64.6°	78.1°	99.0%	98.2%