

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-R-HI3500-60-EL1-2-650-FLR-2-BV-NIC

Trim Model:

FLR-2-BV-WH

Date:

8/10/2022



Light efficiency:

76 Lumen/Watt

Light quality:

CRI: 94.5

Color temperature:

3503 K

CIE 1931:

x: 0.404
y: 0.387

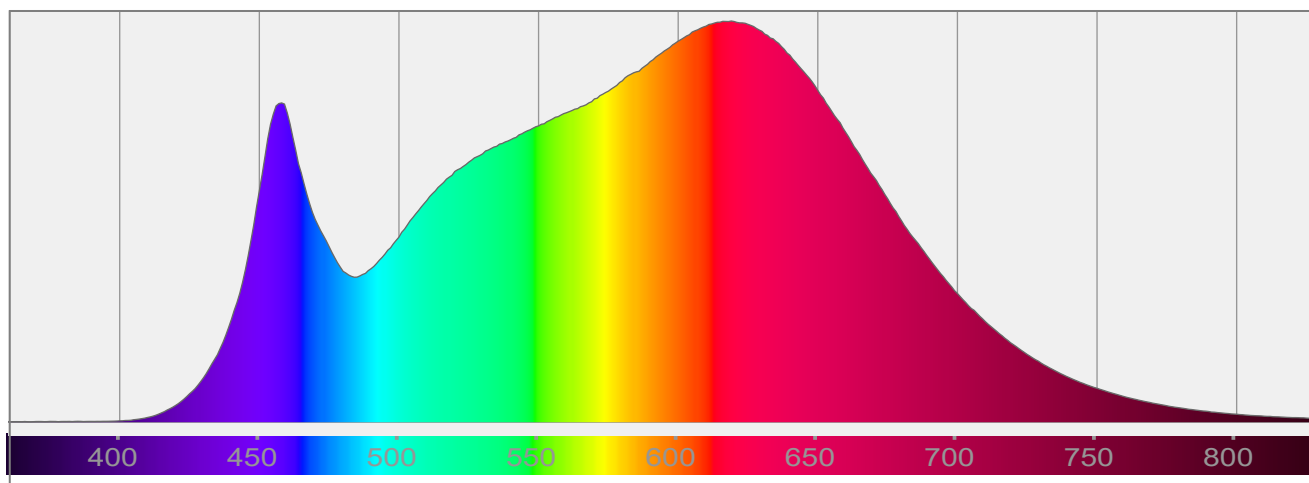
Output: 1990 lm

Peak: 2095 cd

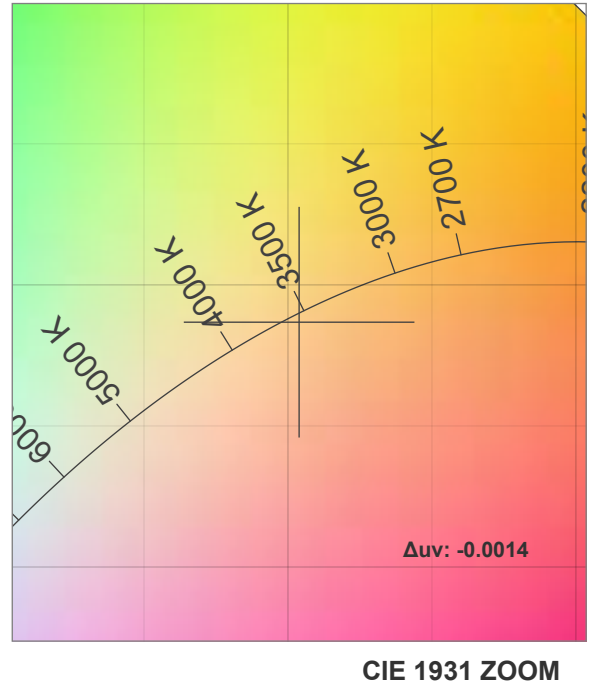
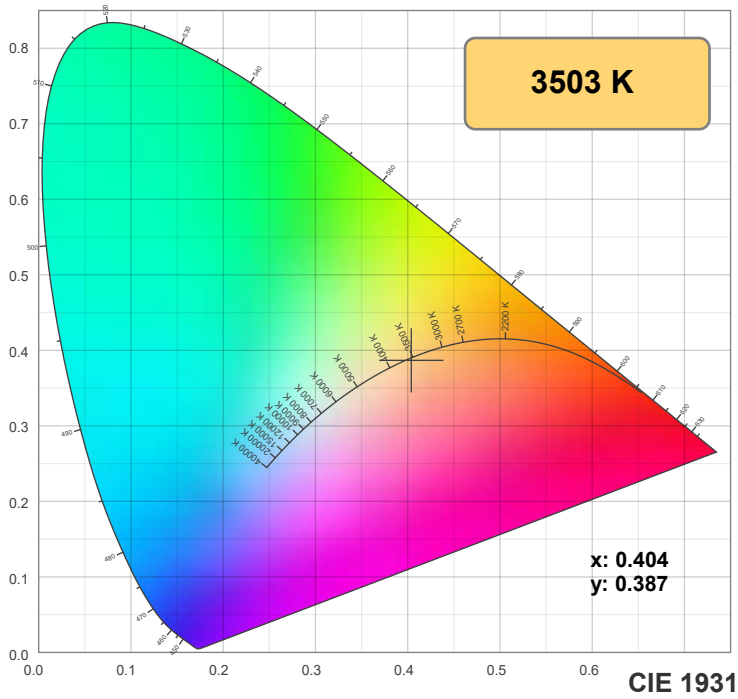
Power: 26.3 W

PF: 0.98

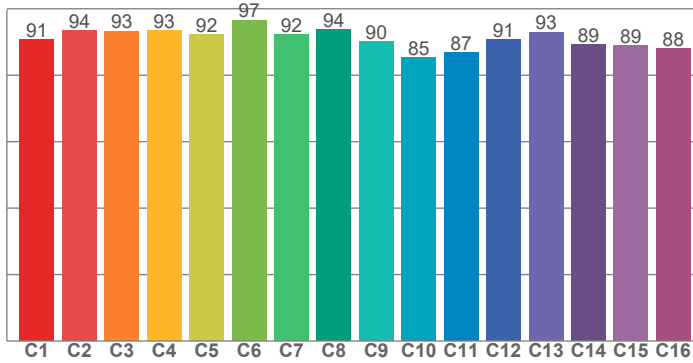
Spectra:



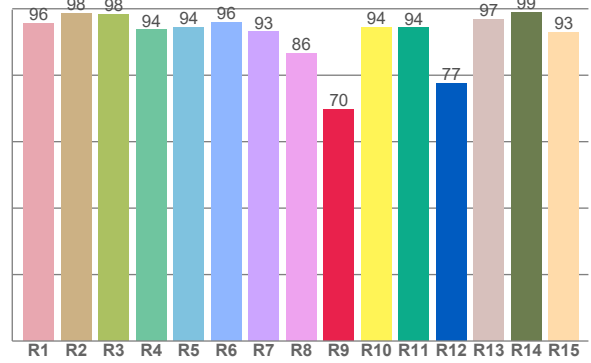
Color Details



TM-30: 91.0



CRI: 94.5 (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	69.8	94.5	94.2	77.5	96.9	98.9	92.8

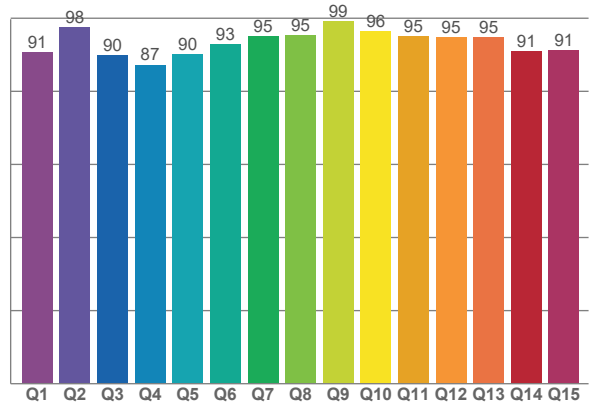
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	93.5	93.3	93.3	92.3	96.6	92.2	93.8	90.0	85.3	86.9	90.9	93.0	89.3	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	87.3	90.2	92.8	94.9	95.2	99.3	96.4	95.1	94.8	94.8	91.1	91.2

CQS: 92.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3503 K	94.5	69.8	91.0	97.8	92.7	0.404	0.387	0.236	0.340	-0.0014

TM-30 Details

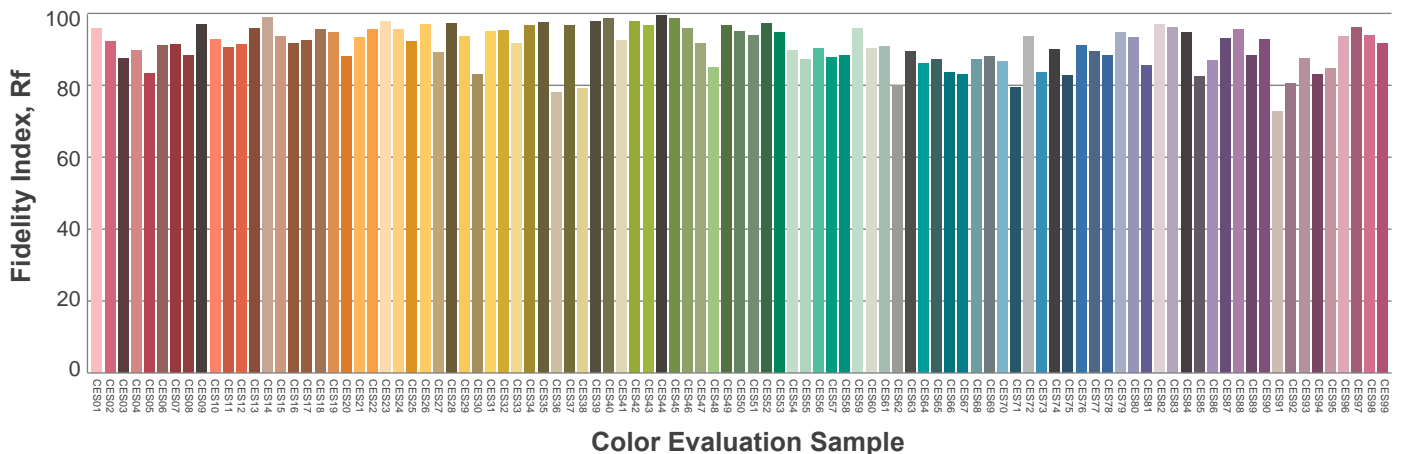
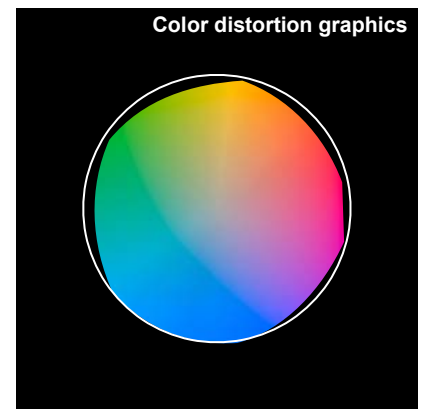
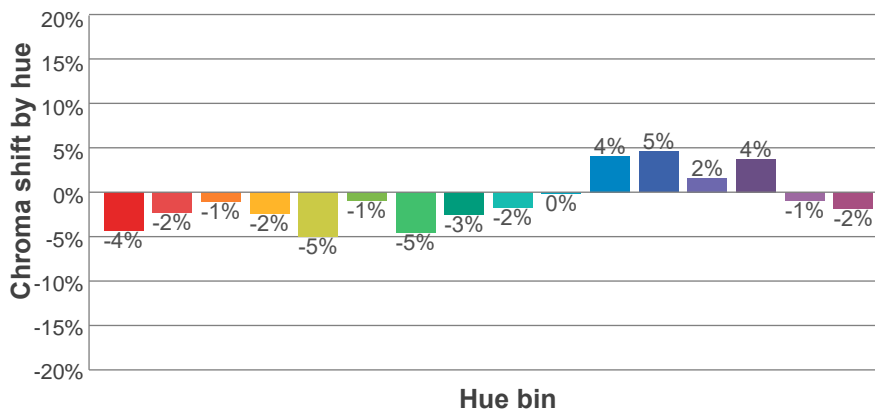
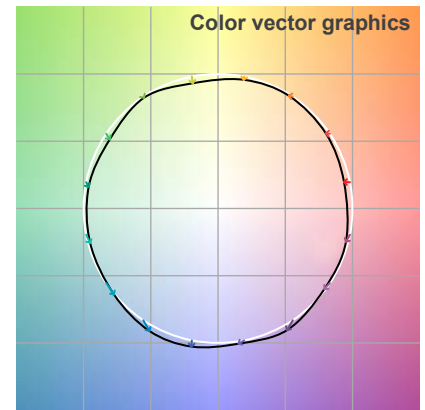
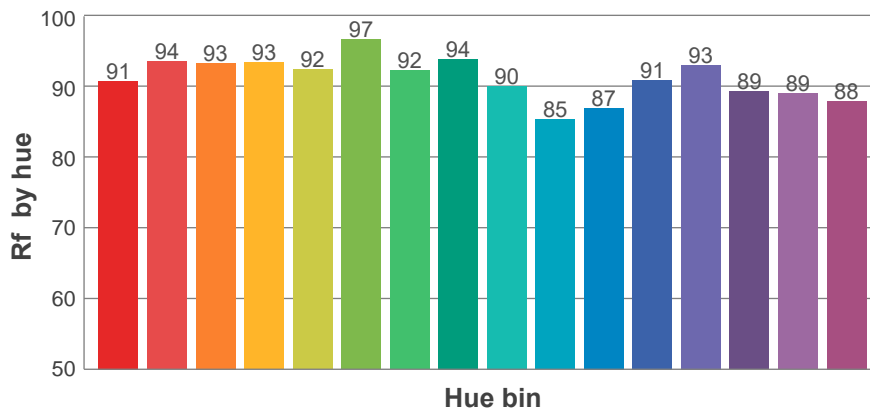
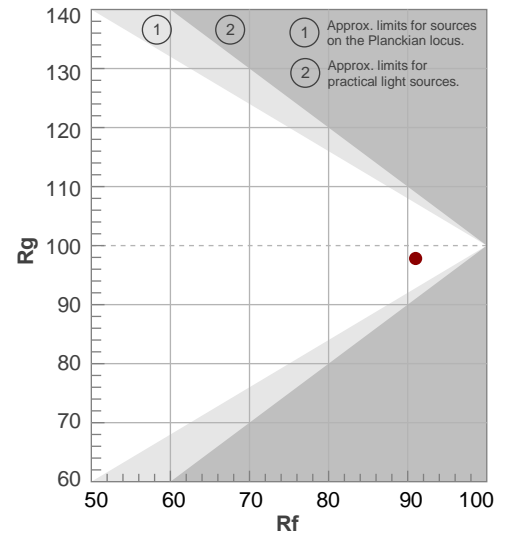
Rf 91.0

Fidelity index Rf

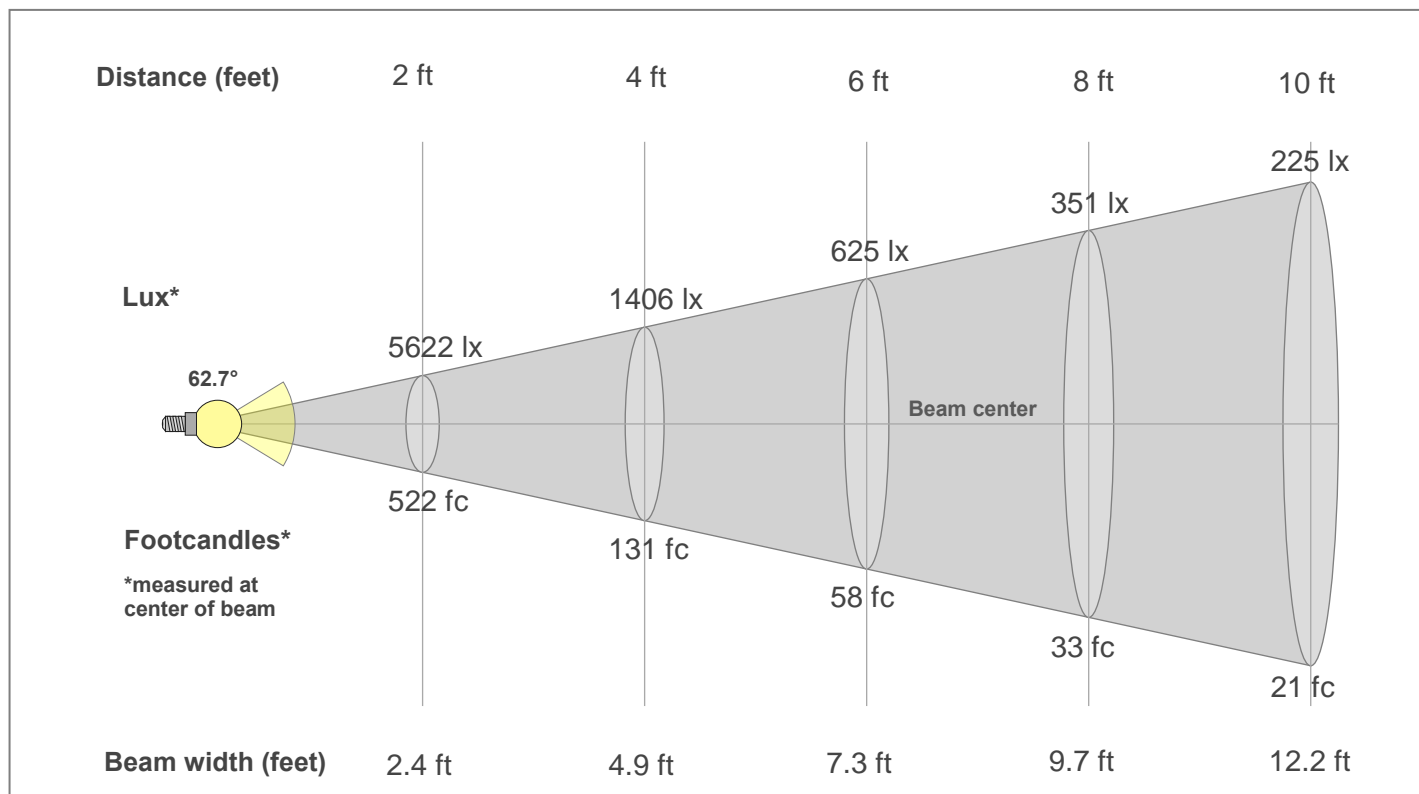
Rg 97.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	94	-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
2089lx	522lx	232lx	131lx	84lx	58lx	43lx	33lx	26lx	21lx	17lx	15lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
194.1fc	48.5fc	21.6fc	12.1fc	7.8fc	5.4fc	4fc	3fc	2.4fc	1.9fc	1.6fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	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°
2089	2089	2088	2090	2093	2094	2092	2081	2057	2009	1942	1852	1738	1598	1423	1209	952	673	419	266
100%	100%	100%	100%	100%	100%	100%	100%	98%	96%	93%	89%	83%	76%	68%	58%	46%	32%	20%	13%

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°
2089	2089	2088	2090	2093	2094	2092	2081	2057	2009	1942	1852	1738	1598	1423	1209	952	673	419	266
100%	100%	100%	100%	100%	100%	100%	100%	98%	96%	93%	89%	83%	76%	68%	58%	46%	32%	20%	13%

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°
2089	2089	2088	2090	2093	2094	2092	2081	2057	2009	1942	1852	1738	1598	1423	1209	952	673	419	266
100%	100%	100%	100%	100%	100%	100%	100%	98%	96%	93%	89%	83%	76%	68%	58%	46%	32%	20%	13%

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°
2089	2089	2088	2090	2093	2094	2092	2081	2057	2009	1942	1852	1738	1598	1423	1209	952	673	419	266
100%	100%	100%	100%	100%	100%	100%	100%	98%	96%	93%	89%	83%	76%	68%	58%	46%	32%	20%	13%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
62.7°	78.1°	93.2°	98.6%	97.1%