

Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

FLR-2-BV-WH

Date:

8/10/2022



Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 94.4

Color temperature:

3492 K

CIE 1931:

x: 0.404
y: 0.387

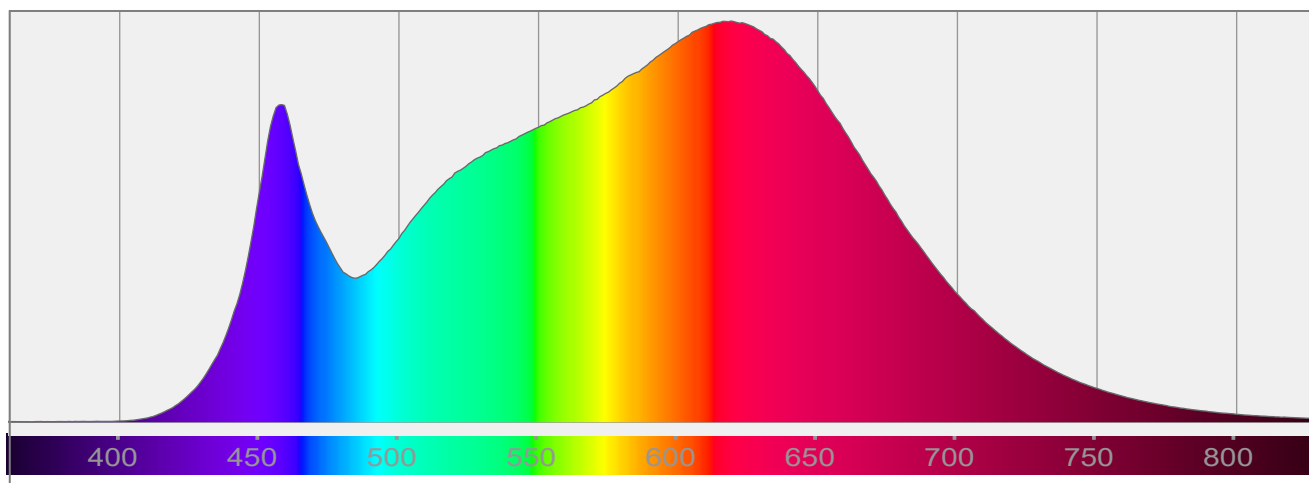
Output: 1645 lm

Peak: 9603 cd

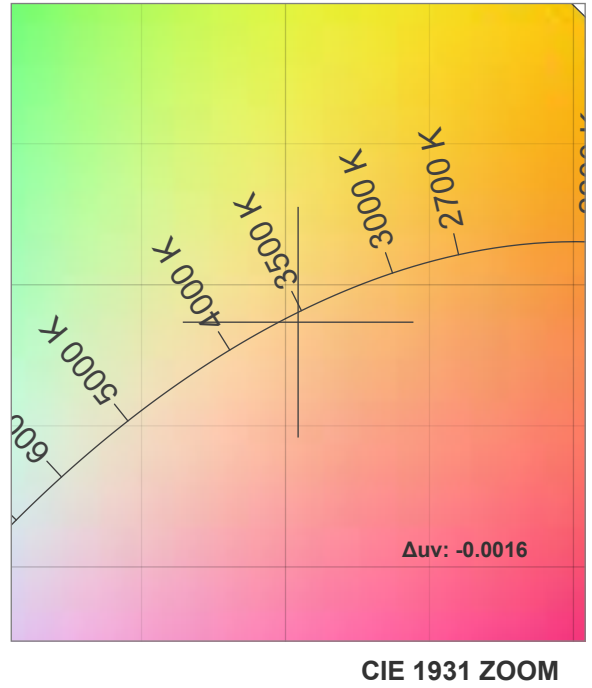
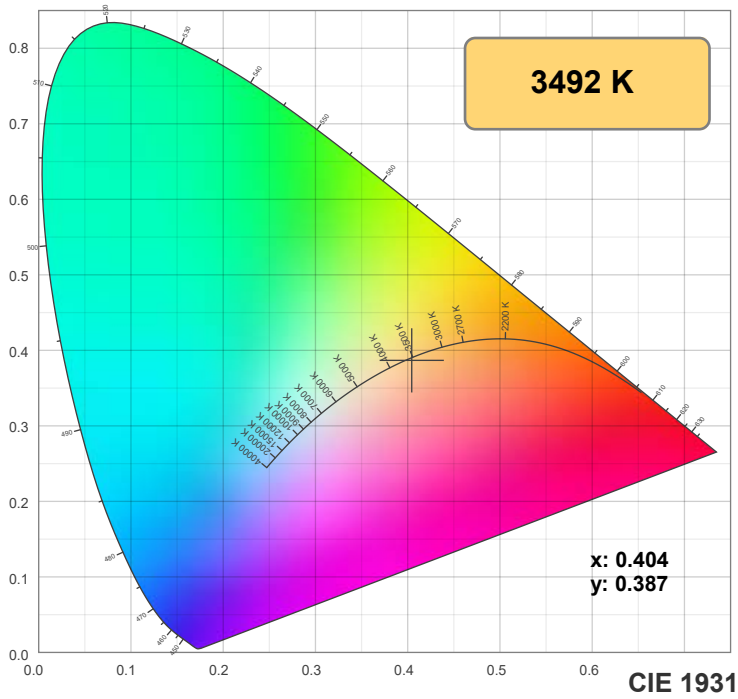
Power: 26.3 W

PF: 0.98

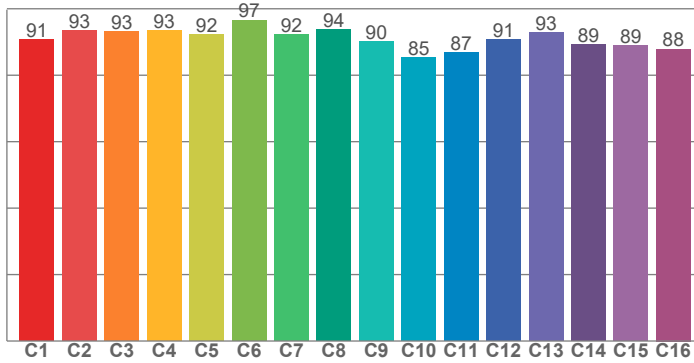
Spectra:



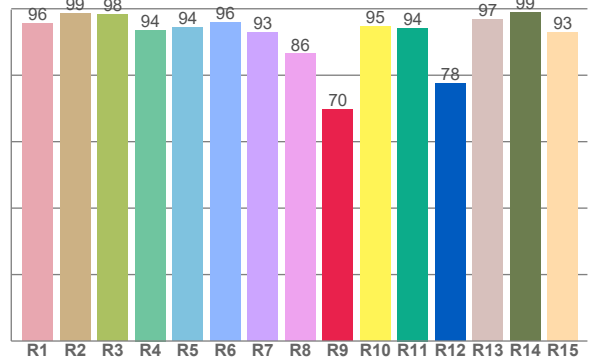
Color Details



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	94.4	95.8	92.9	86.4	69.7	94.6	94.2	77.6	96.9	98.9	92.8

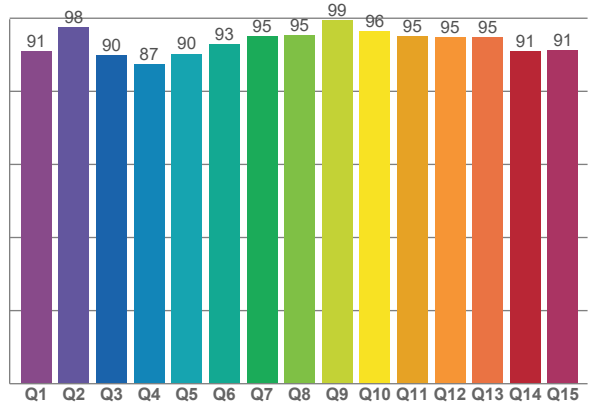
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	93.5	93.2	93.4	92.3	96.6	92.2	93.9	90.0	85.3	86.9	90.8	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	89.8	87.3	90.3	92.9	95.0	95.2	99.4	96.4	95.1	94.7	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
3492 K	94.4	69.7	91.0	97.8	92.7	0.404	0.387	0.237	0.340	-0.0016

TM-30 Details

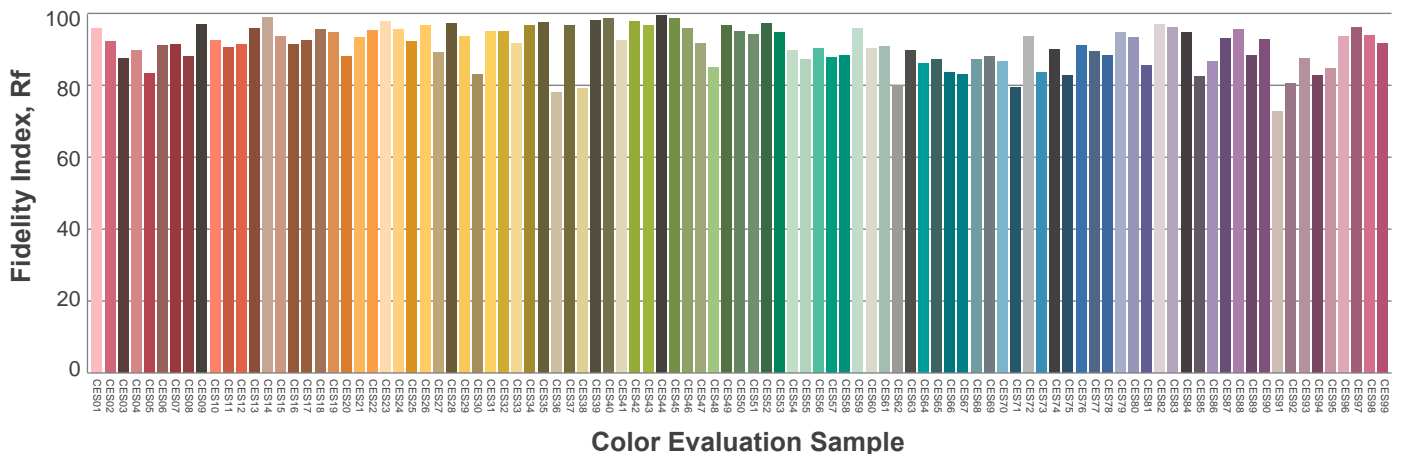
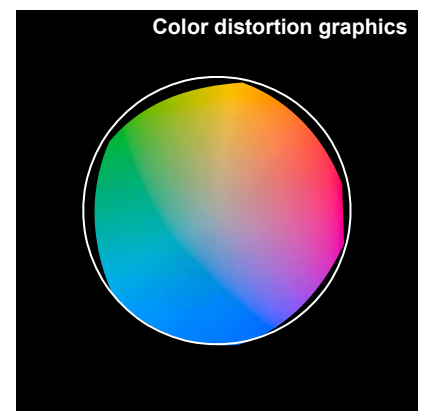
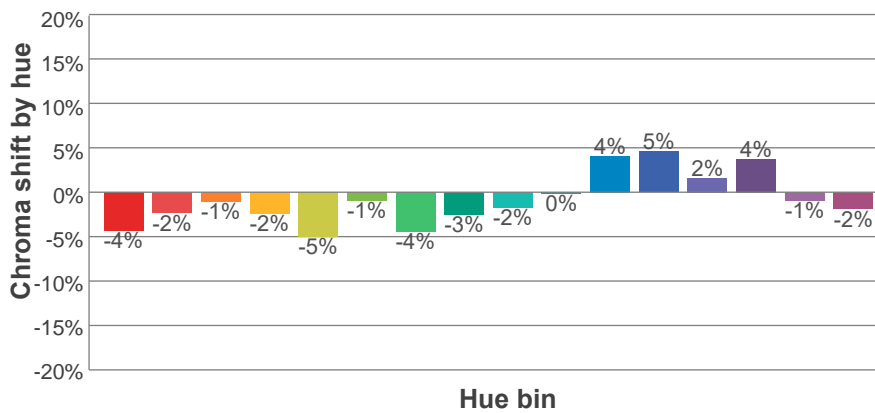
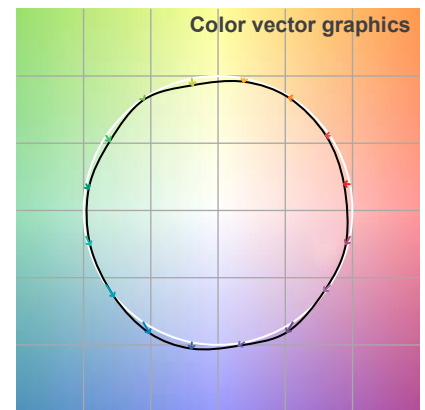
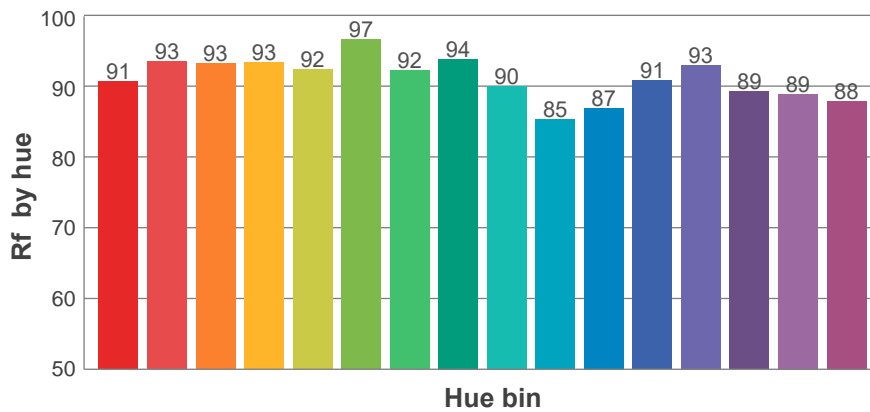
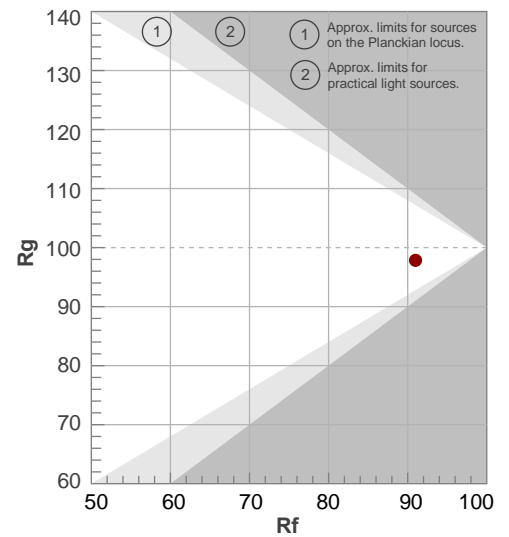
Rf 91.0

Fidelity index Rf

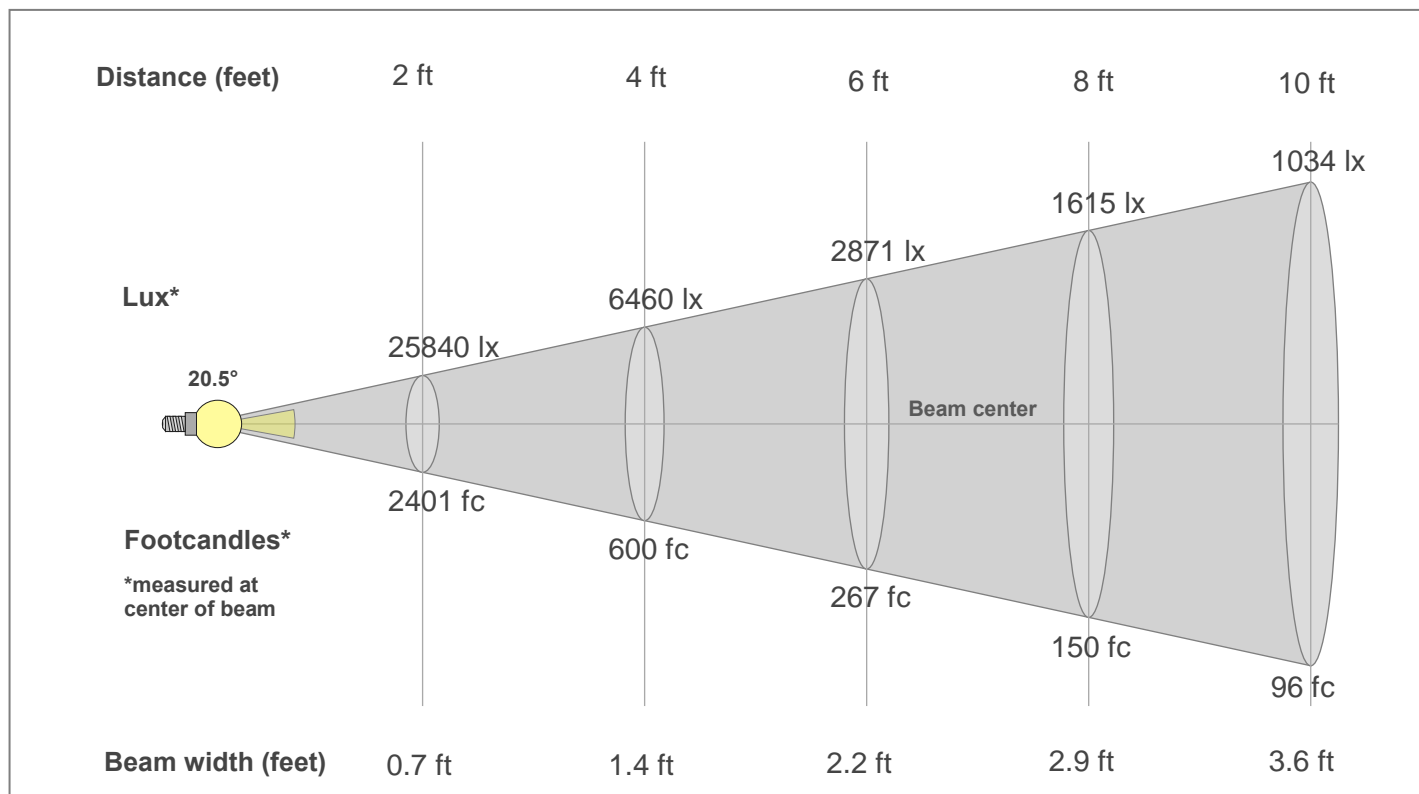
Rg 97.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	93	-2%	2%
3	93	-1%	3%
4	93	-2%	0%
5	92	-5%	0%
6	97	-1%	0%
7	92	-4%	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
9603lx	2401lx	1067lx	600lx	384lx	267lx	196lx	150lx	119lx	96lx	79lx	67lx	57lx	49lx	43lx	38lx	33lx	30lx	27lx	24lx
892.1fc	223fc	99.1fc	55.8fc	35.7fc	24.8fc	18.2fc	13.9fc	11fc	8.9fc	7.4fc	6.2fc	5.3fc	4.6fc	4fc	3.5fc	3.1fc	2.8fc	2.5fc	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°
9603	9545	9379	9089	8676	8163	7554	6890	6229	5582	4946	4325	3733	3193	2721	2308	1940	1614	1332	1093
100%	99%	98%	95%	90%	85%	79%	72%	65%	58%	52%	45%	39%	33%	28%	24%	20%	17%	14%	11%

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°
9603	9545	9379	9089	8676	8163	7554	6890	6229	5582	4946	4325	3733	3193	2721	2308	1940	1614	1332	1093
100%	99%	98%	95%	90%	85%	79%	72%	65%	58%	52%	45%	39%	33%	28%	24%	20%	17%	14%	11%

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°
9603	9545	9379	9089	8676	8163	7554	6890	6229	5582	4946	4325	3733	3193	2721	2308	1940	1614	1332	1093
100%	99%	98%	95%	90%	85%	79%	72%	65%	58%	52%	45%	39%	33%	28%	24%	20%	17%	14%	11%

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°
9603	9545	9379	9089	8676	8163	7554	6890	6229	5582	4946	4325	3733	3193	2721	2308	1940	1614	1332	1093
100%	99%	98%	95%	90%	85%	79%	72%	65%	58%	52%	45%	39%	33%	28%	24%	20%	17%	14%	11%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
20.5°	39.3°	58.6°	99.0%	98.1%