

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-WD-R-WD-40-NFL-DIM1-2-350-FLR-2-BV

Trim Model:

FLR-2-BV-WH

Date:

2/23/2022



Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 96.9

Color temperature:

3130 K

CIE 1931:

x: 0.426
y: 0.397

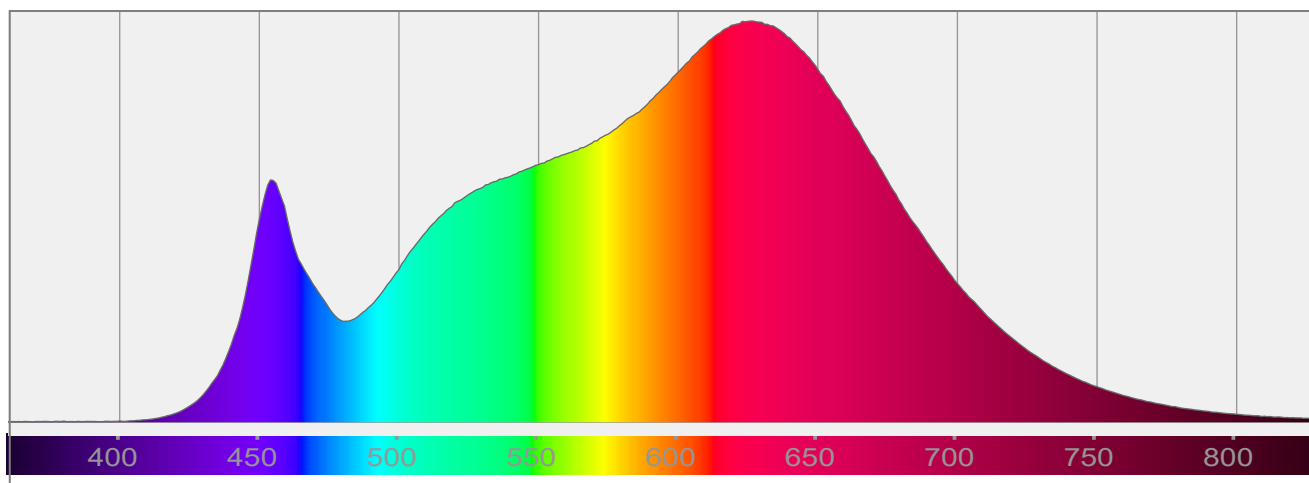
Output: 753 lm

Peak: 1296 cd

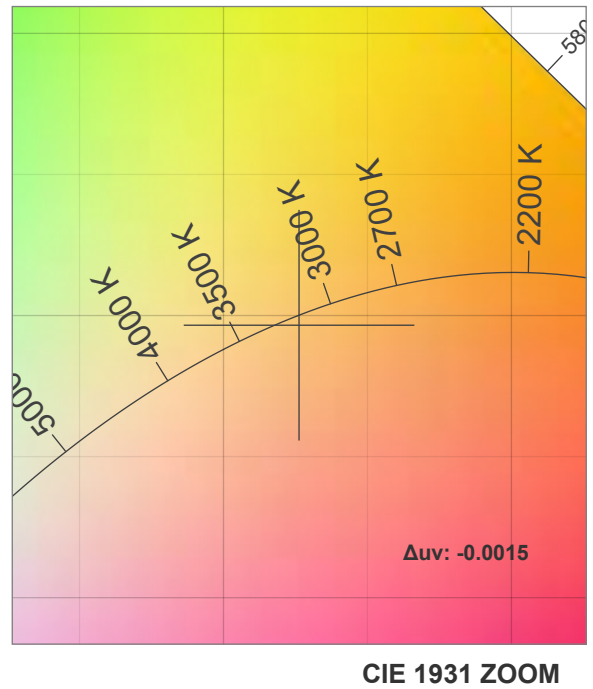
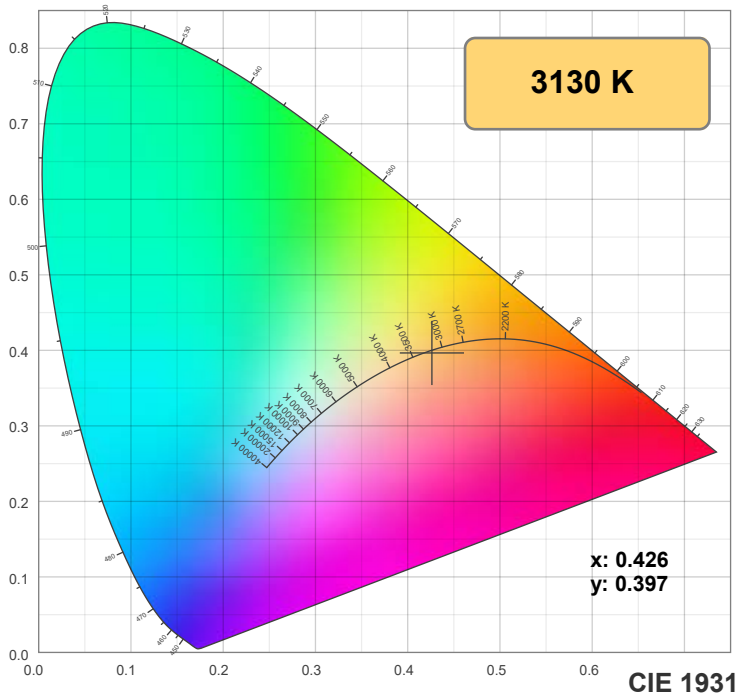
Power: 14.6 W

PF: 0.99

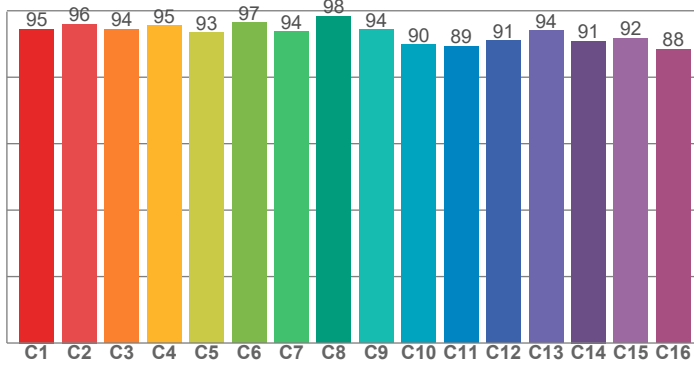
Spectra:



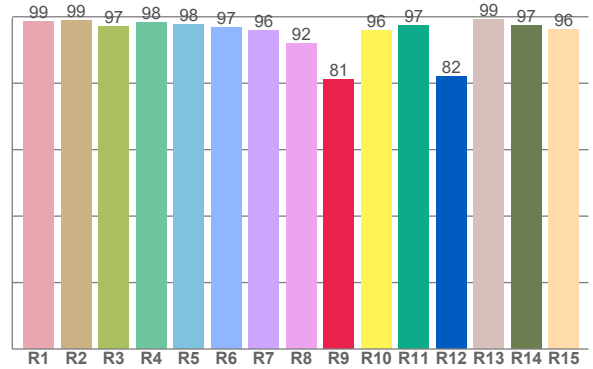
Color Details



TM-30: 93.4



CRI: 96.9 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.6	98.9	97.2	98.2	97.8	96.8	95.8	91.9	81.2	95.9	97.3	81.9	99.2	97.5	96.2

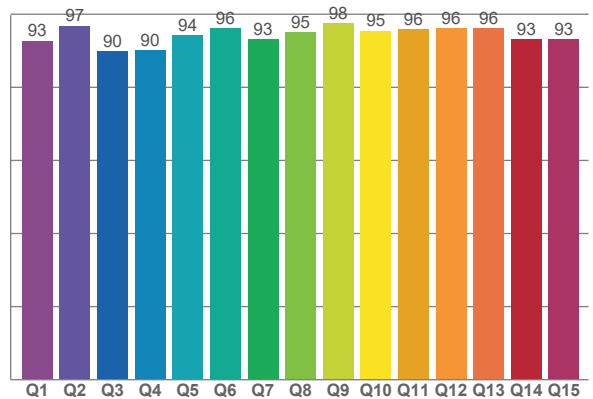
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.5	96.0	94.5	95.5	93.4	96.5	93.7	98.4	94.3	89.8	89.4	91.1	94.0	90.9	91.8	88.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.7	96.9	89.8	90.2	94.2	96.1	93.2	95.1	97.6	95.5	95.8	96.1	96.2	93.3	93.1

CQS: 93.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3130 K	96.9	81.2	93.4	100.7	93.8	0.426	0.397	0.247	0.345	-0.0015

TM-30 Details

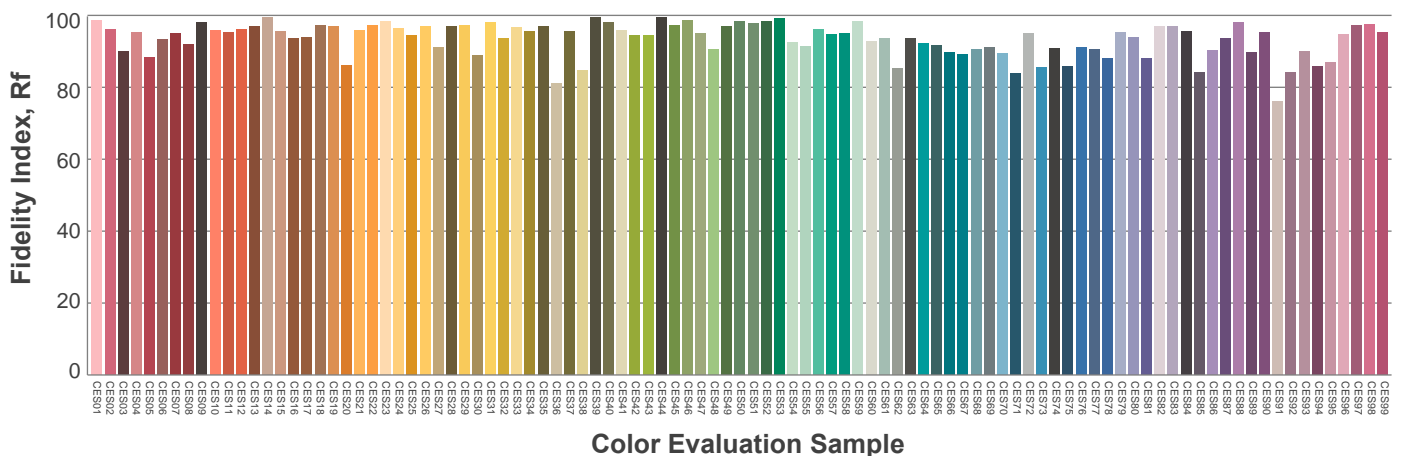
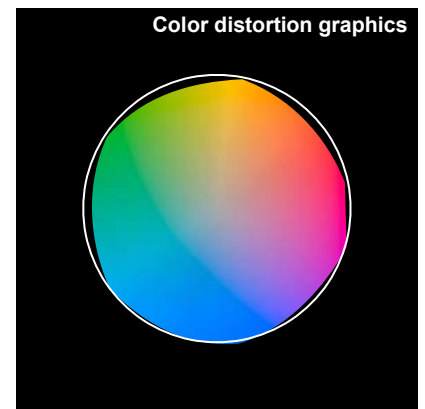
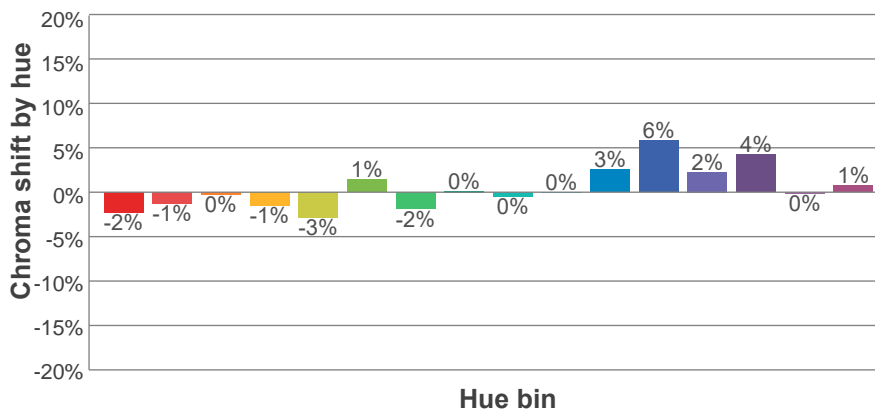
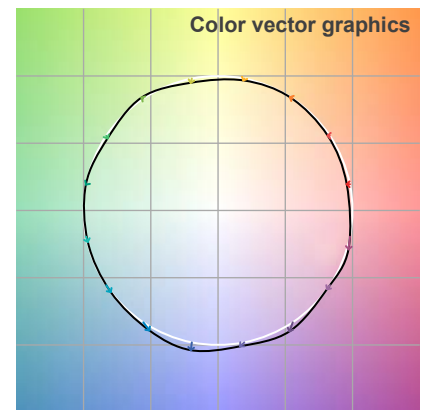
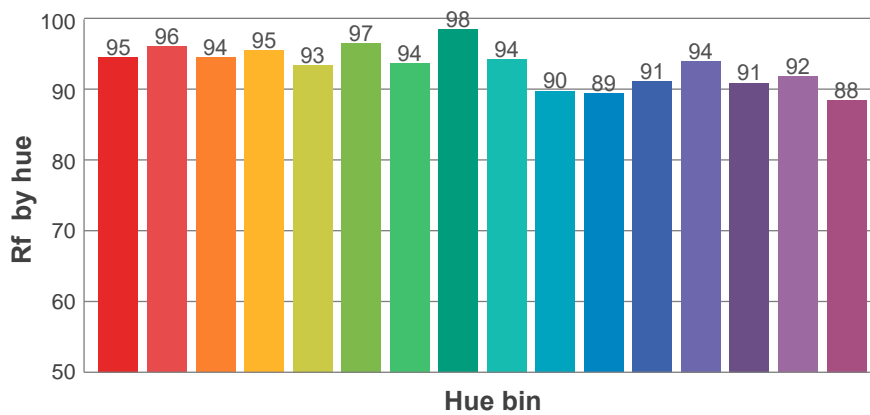
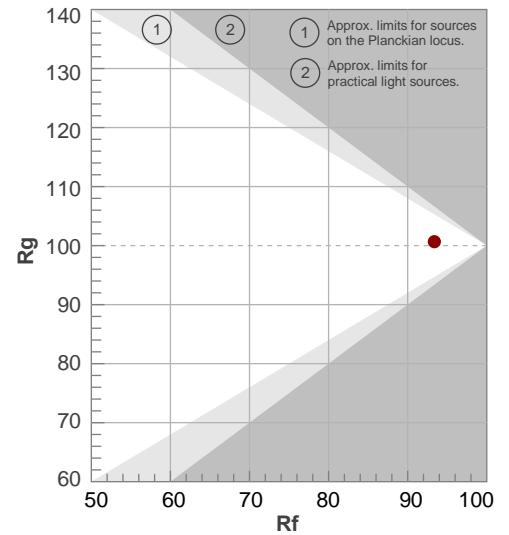
Rf 93.4

Fidelity index Rf

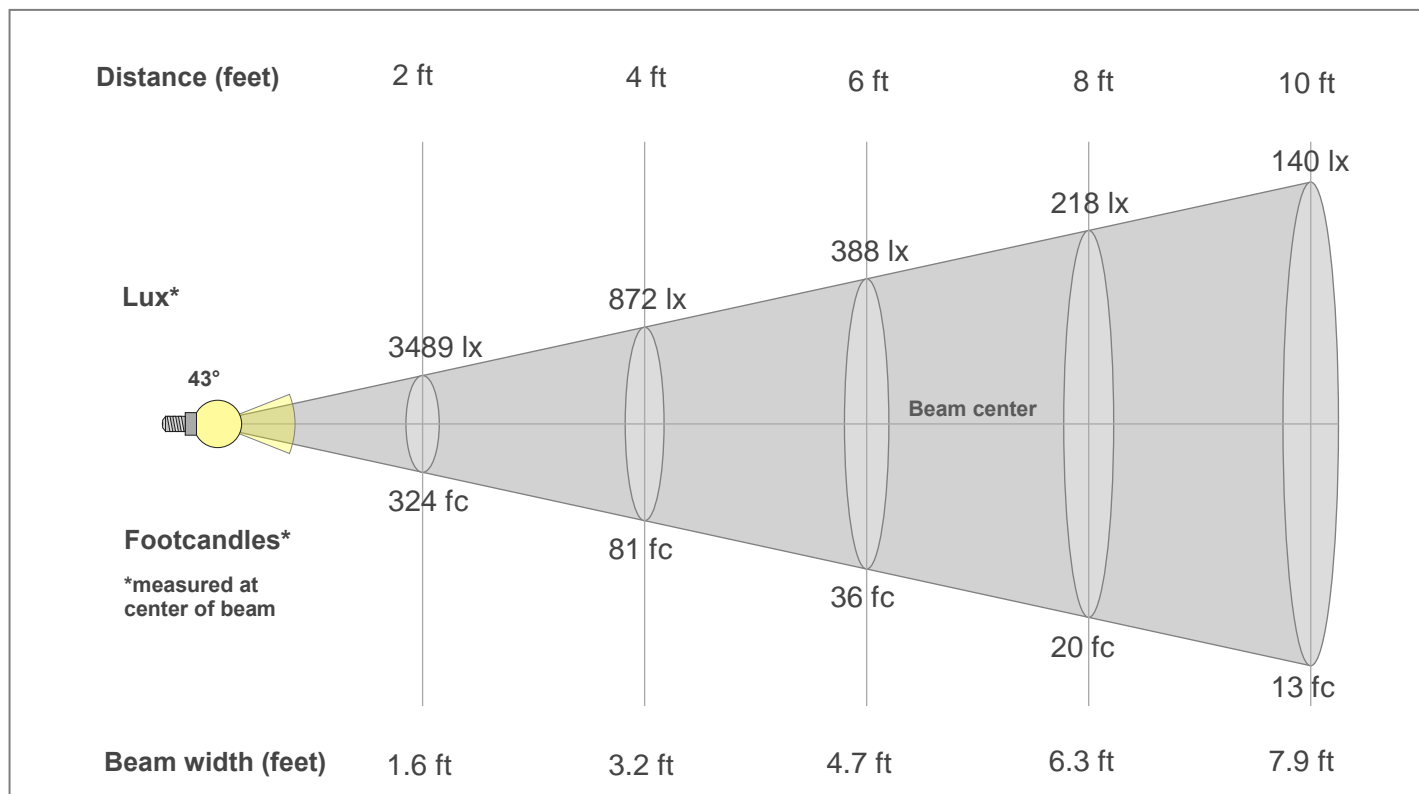
Rg 100.7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	94	0%	2%
4	95	-1%	0%
5	93	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	0%	0%
9	94	0%	4%
10	90	0%	6%
11	89	3%	7%
12	91	6%	0%
13	94	2%	-4%
14	91	4%	-6%
15	92	0%	-4%
16	88	1%	-9%



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
1296lx	324lx	144lx	81lx	52lx	36lx	26lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx
120.4fc	30.1fc	13.4fc	7.5fc	4.8fc	3.3fc	2.5fc	1.9fc	1.5fc	1.2fc	1fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc	0.4fc	0.3fc	0.3fc

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°
1296	1289	1267	1233	1189	1132	1064	987	902	812	719	626	537	453	378	311	253	202	156	111
100%	99%	98%	95%	92%	87%	82%	76%	70%	63%	55%	48%	41%	35%	29%	24%	19%	16%	12%	9%

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°
1296	1289	1267	1233	1189	1132	1064	987	902	812	719	626	537	453	378	311	253	202	156	111
100%	99%	98%	95%	92%	87%	82%	76%	70%	63%	55%	48%	41%	35%	29%	24%	19%	16%	12%	9%

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°
1296	1289	1267	1233	1189	1132	1064	987	902	812	719	626	537	453	378	311	253	202	156	111
100%	99%	98%	95%	92%	87%	82%	76%	70%	63%	55%	48%	41%	35%	29%	24%	19%	16%	12%	9%

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°
1296	1289	1267	1233	1189	1132	1064	987	902	812	719	626	537	453	378	311	253	202	156	111
100%	99%	98%	95%	92%	87%	82%	76%	70%	63%	55%	48%	41%	35%	29%	24%	19%	16%	12%	9%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
43°	74.3°	89.8°	98.8%	97.0%