

Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

FLR-2-WH

Date:

2/24/2022



Light efficiency:

37 Lumen/Watt

Light quality:

CRI: 96.8

Color temperature:

3107 K

CIE 1931:

x: 0.428
y: 0.398

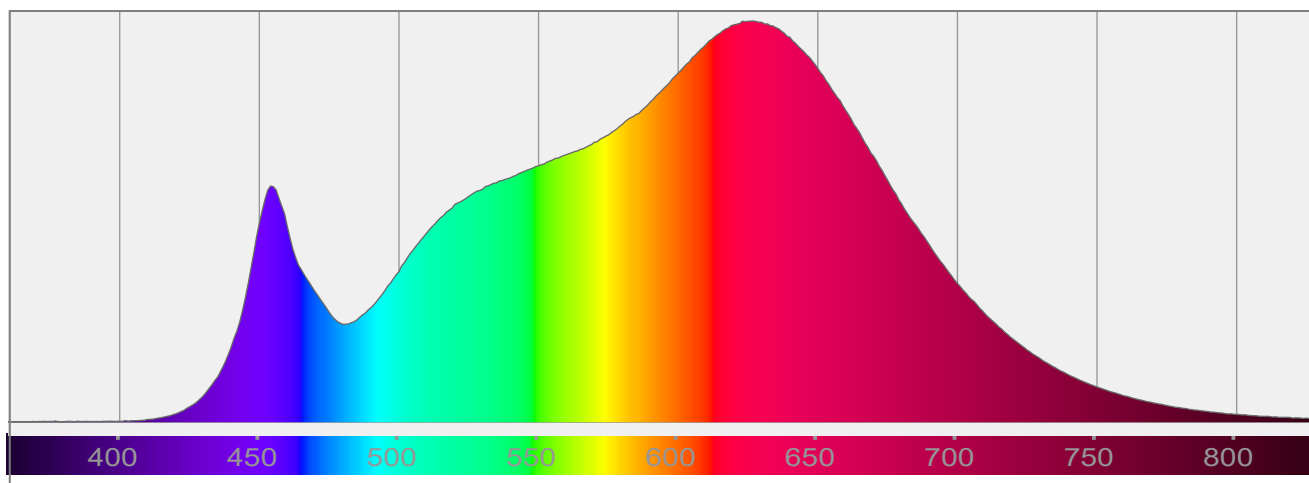
Output: 546 lm

Peak: 1235 cd

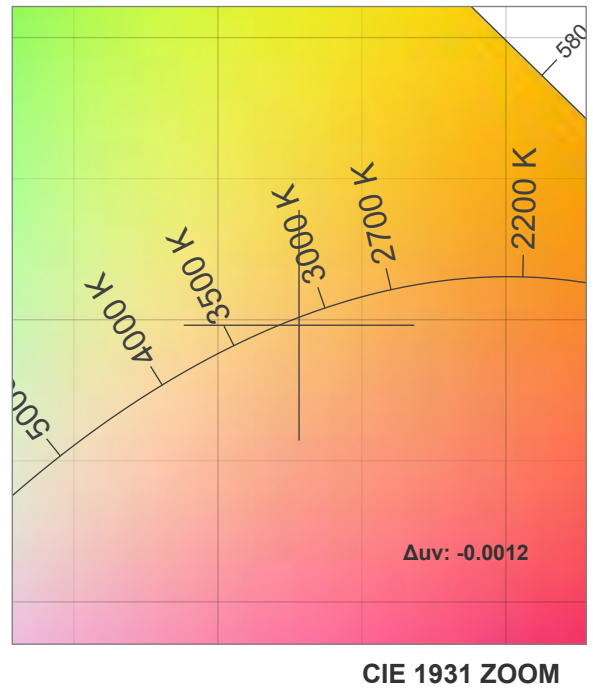
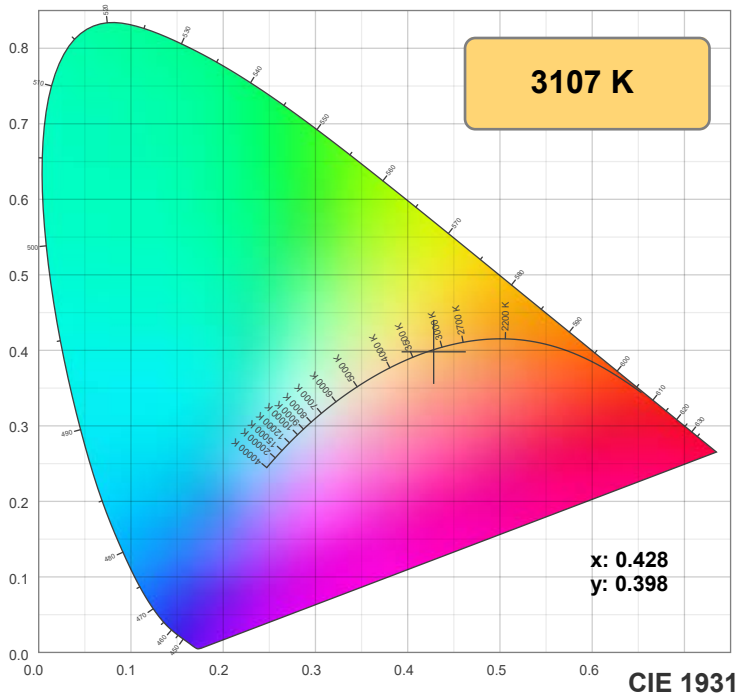
Power: 14.6 W

PF: 1.0

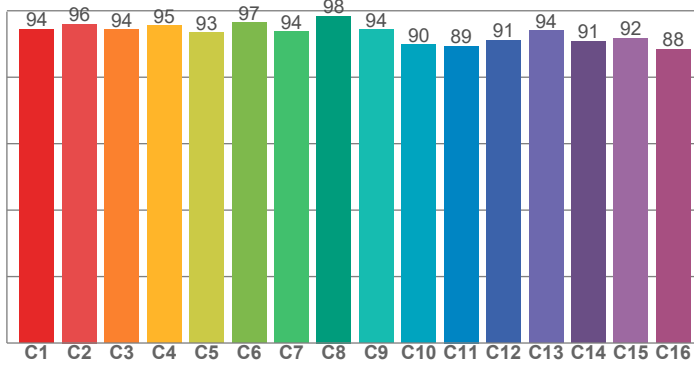
Spectra:



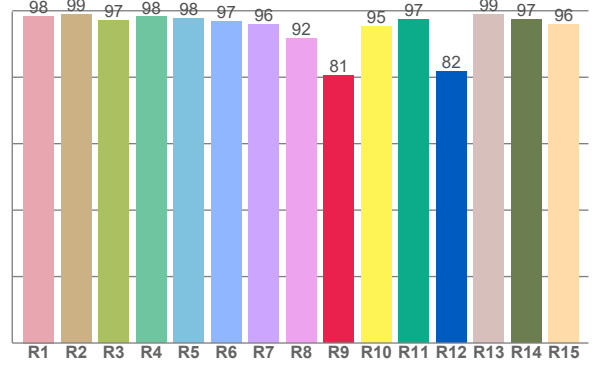
Color Details



TM-30: 93.4



CRI: 96.8 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.4	98.8	97.0	98.1	97.6	96.9	95.9	91.7	80.6	95.4	97.4	81.8	99.0	97.4	95.9

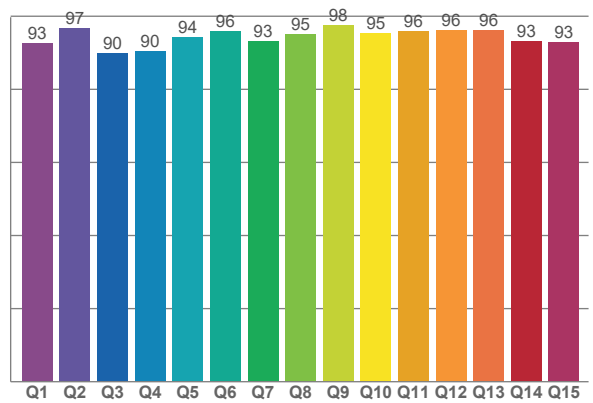
TM30 C Values:

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	91.2	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
92.6	96.8	89.8	90.3	94.2	95.9	93.2	95.1	97.5	95.4	95.8	96.1	96.3	93.2	93.0

CQS: 93.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3107 K	96.8	80.6	93.4	100.6	93.8	0.428	0.398	0.247	0.345	-0.0012

TM-30 Details

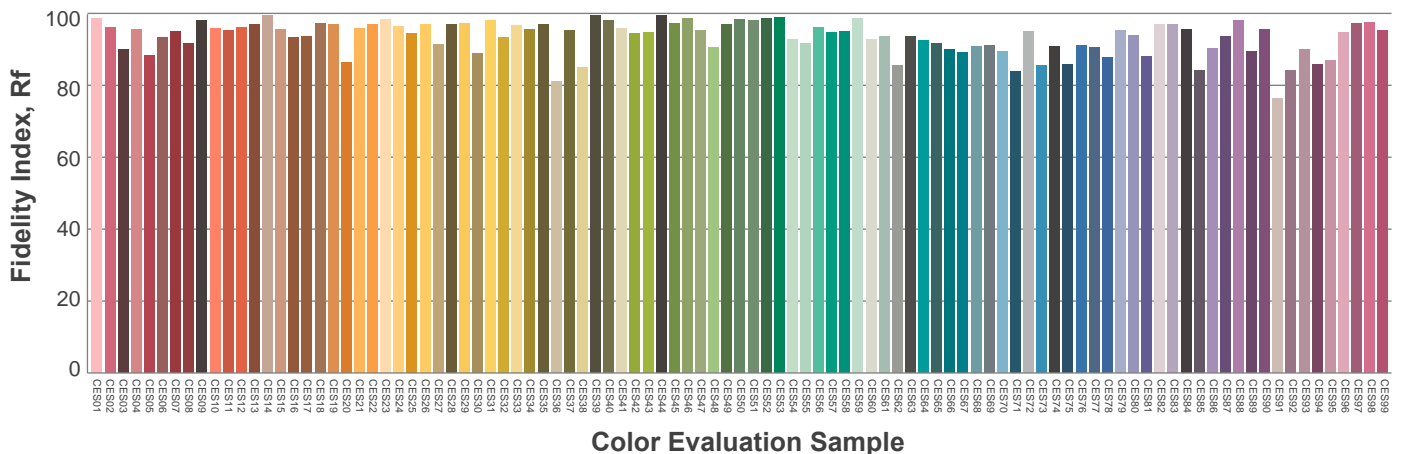
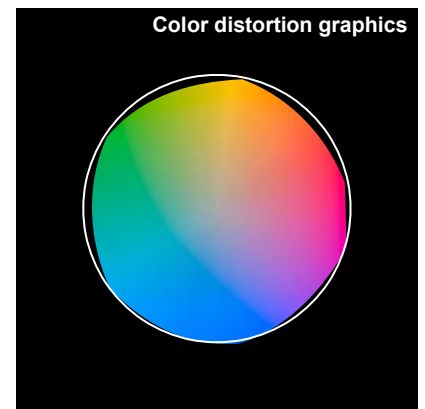
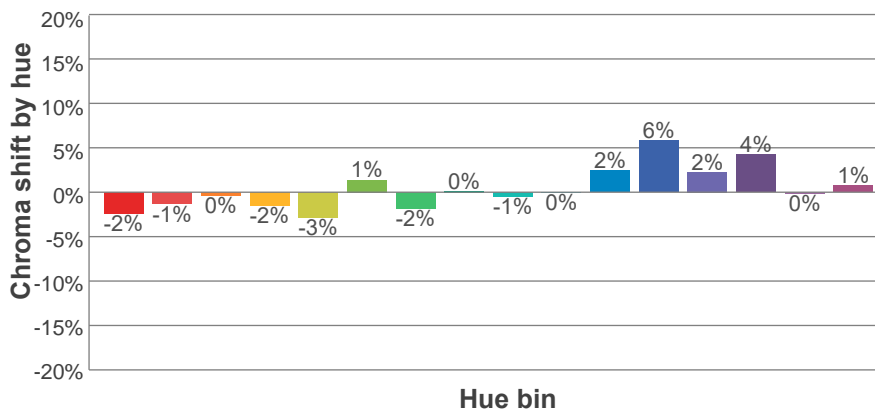
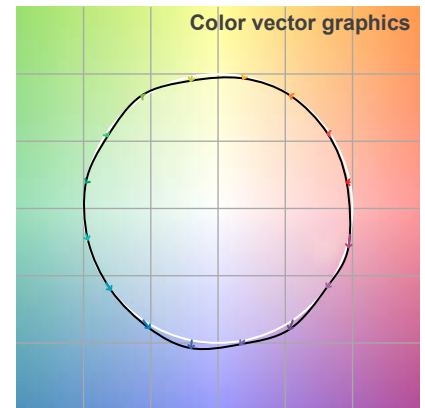
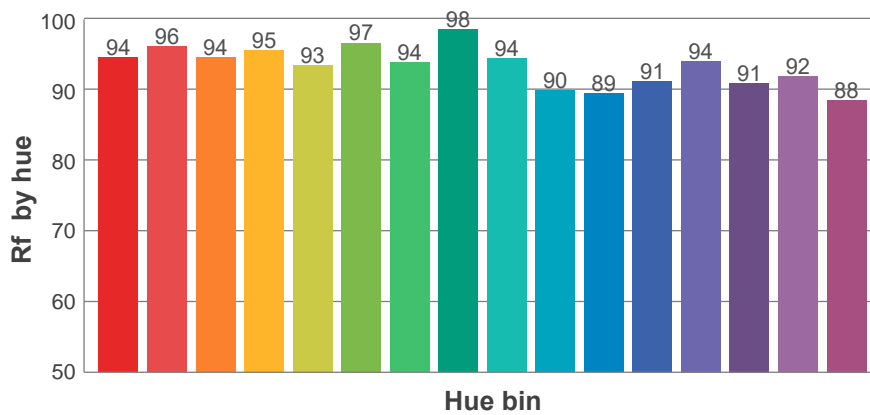
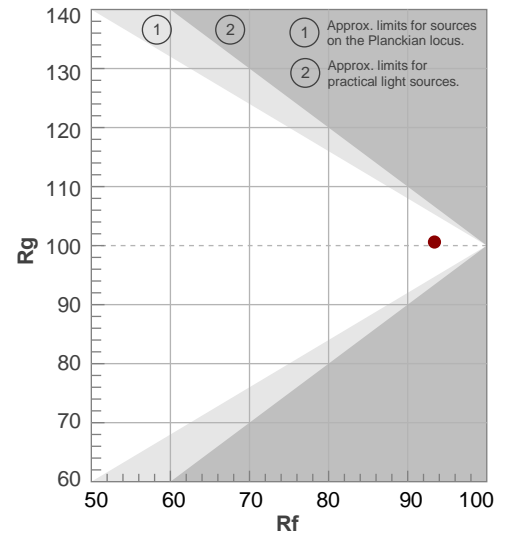
Rf 93.4

Fidelity index Rf

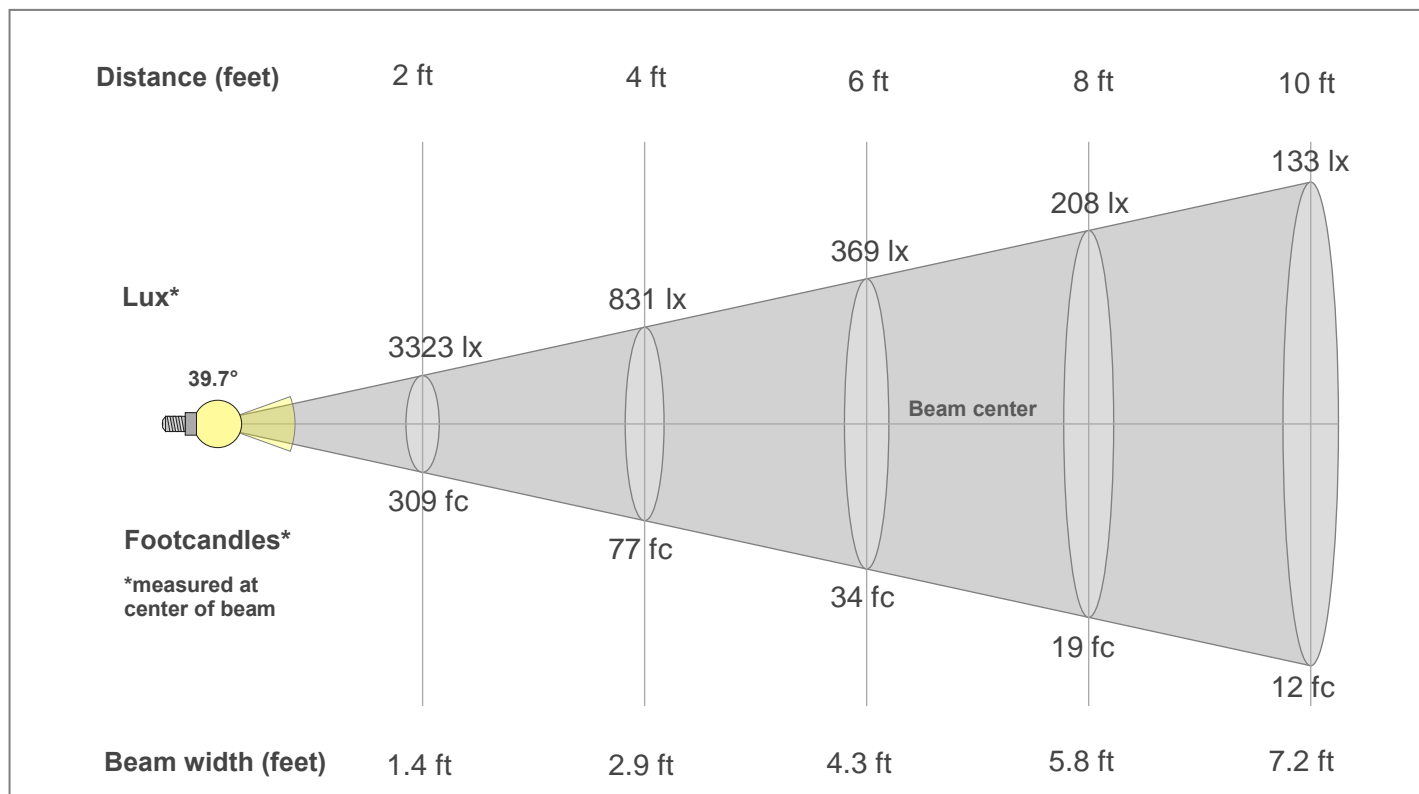
Rg 100.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-2%	0%
2	96	-1%	1%
3	94	0%	2%
4	95	-2%	0%
5	93	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	0%	0%
9	94	-1%	4%
10	90	0%	6%
11	89	2%	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
1235lx	309lx	137lx	77lx	49lx	34lx	25lx	19lx	15lx	12lx	10lx	9lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
114.7fc	28.7fc	12.7fc	7.2fc	4.6fc	3.2fc	2.3fc	1.8fc	1.4fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.4fc	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°
1235	1226	1194	1150	1093	1029	966	893	809	717	608	490	377	286	217	166	124	88	54	27
100%	99%	97%	93%	88%	83%	78%	72%	66%	58%	49%	40%	31%	23%	18%	13%	10%	7%	4%	2%

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°
1235	1226	1194	1150	1093	1029	966	893	809	717	608	490	377	286	217	166	124	88	54	27
100%	99%	97%	93%	88%	83%	78%	72%	66%	58%	49%	40%	31%	23%	18%	13%	10%	7%	4%	2%

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°
1235	1226	1194	1150	1093	1029	966	893	809	717	608	490	377	286	217	166	124	88	54	27
100%	99%	97%	93%	88%	83%	78%	72%	66%	58%	49%	40%	31%	23%	18%	13%	10%	7%	4%	2%

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°
1235	1226	1194	1150	1093	1029	966	893	809	717	608	490	377	286	217	166	124	88	54	27
100%	99%	97%	93%	88%	83%	78%	72%	66%	58%	49%	40%	31%	23%	18%	13%	10%	7%	4%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
39.7°	64.1°	75.3°	99.5%	99.4%