

Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

FLR-2-WH

Date:

8/10/2022



Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 94.4

Color temperature:

3498 K

CIE 1931:

x: 0.404
y: 0.387

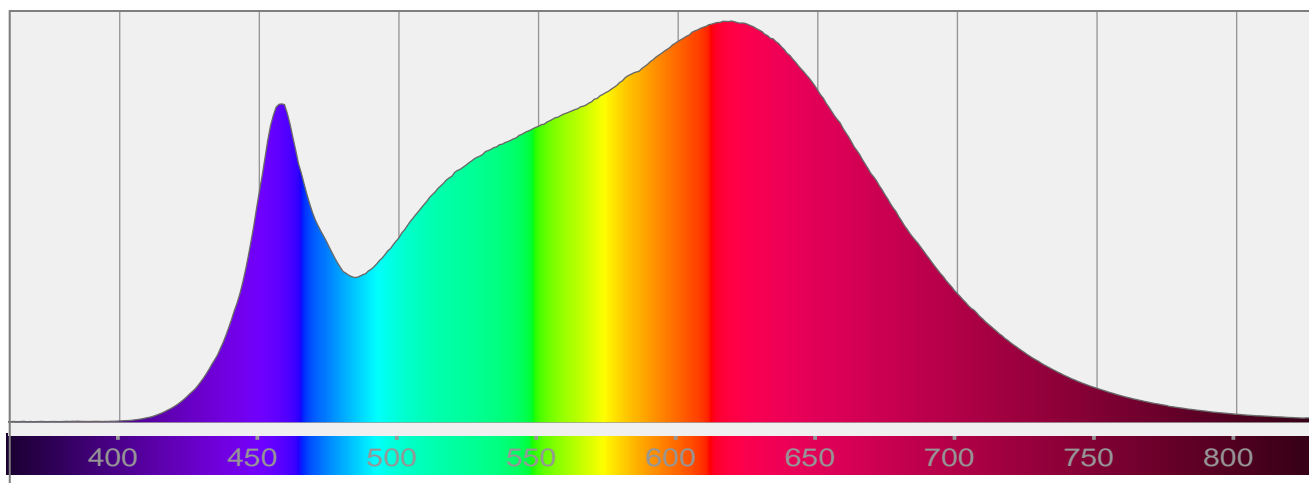
Output: 1497 lm

Peak: 3700 cd

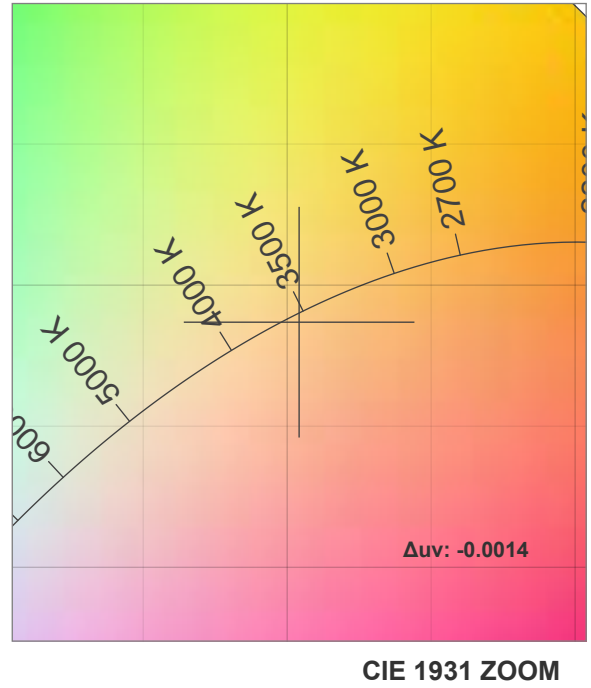
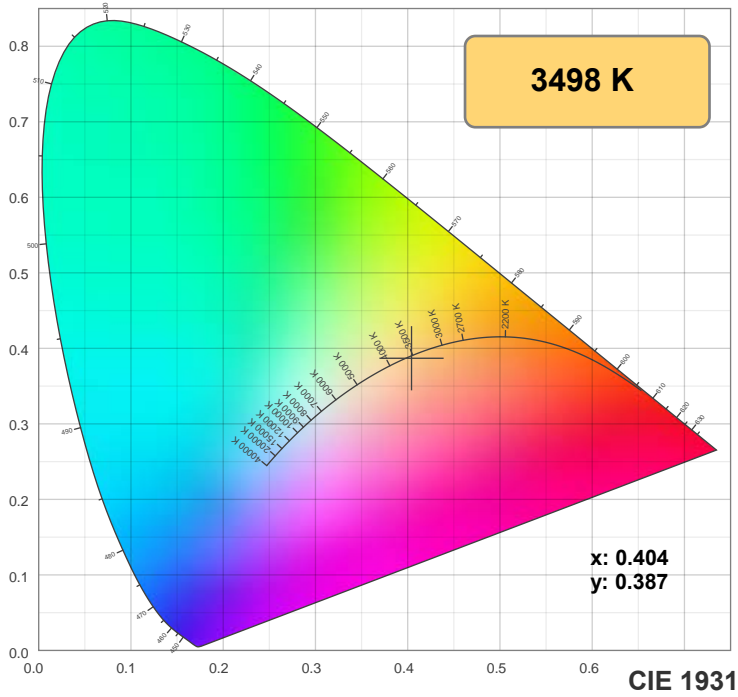
Power: 26.2 W

PF: 0.98

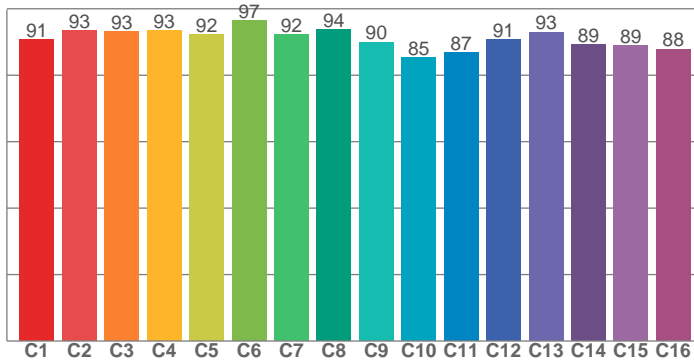
Spectra:



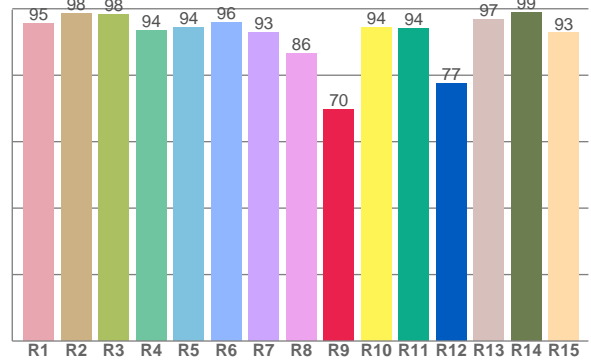
Color Details



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	94.1	77.4	96.8	98.9	92.7

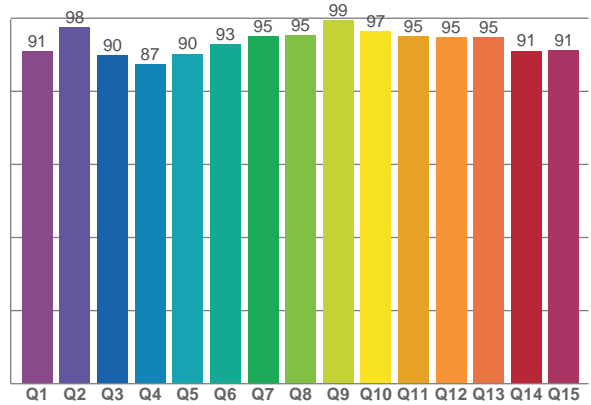
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	93.5	93.3	93.3	92.3	96.6	92.1	93.8	90.0	85.2	86.9	90.8	93.0	89.2	88.9	87.9

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.9	97.6	89.9	87.3	90.3	92.8	95.0	95.3	99.4	96.5	95.2	94.8	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
3498 K	94.4	69.6	91.0	97.8	92.8	0.404	0.387	0.237	0.340	-0.0014

TM-30 Details

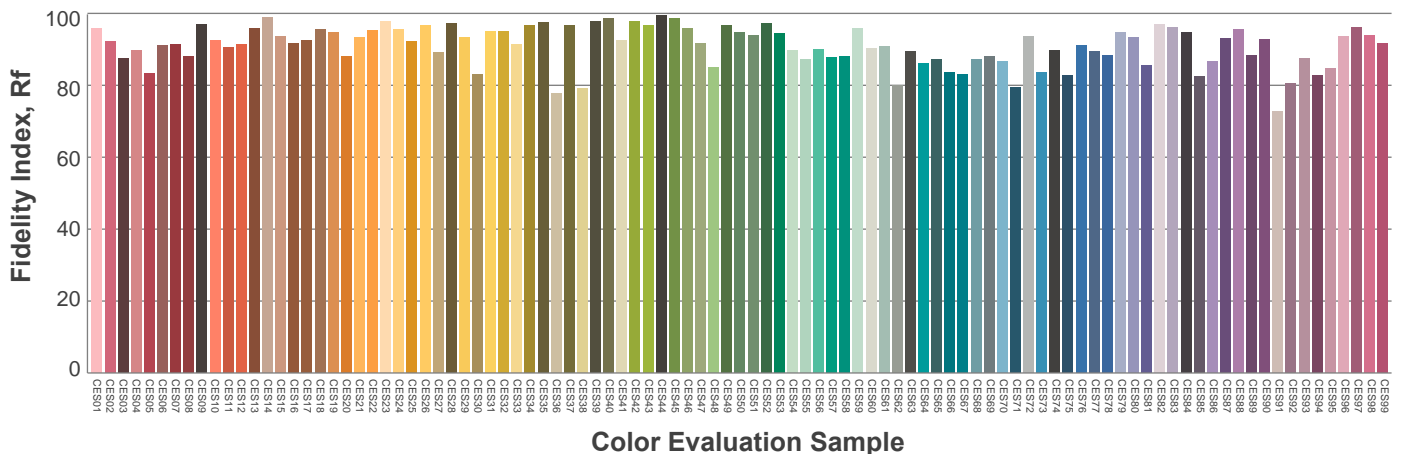
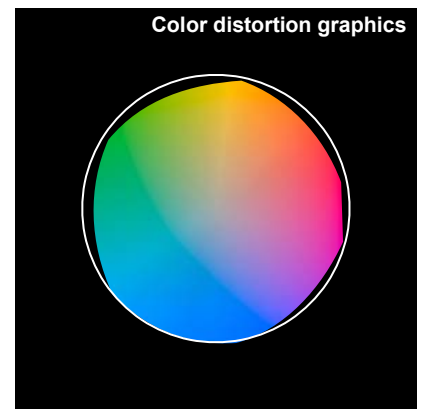
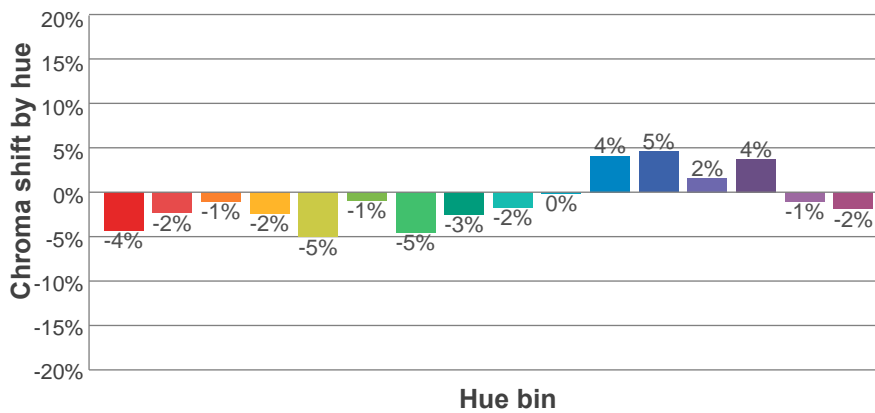
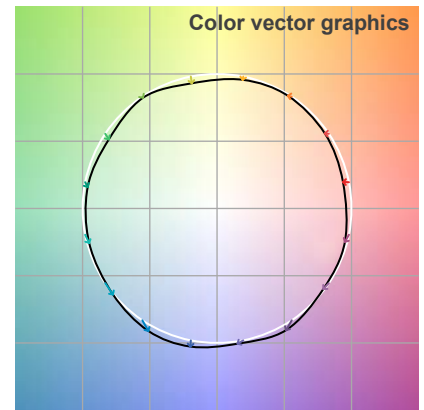
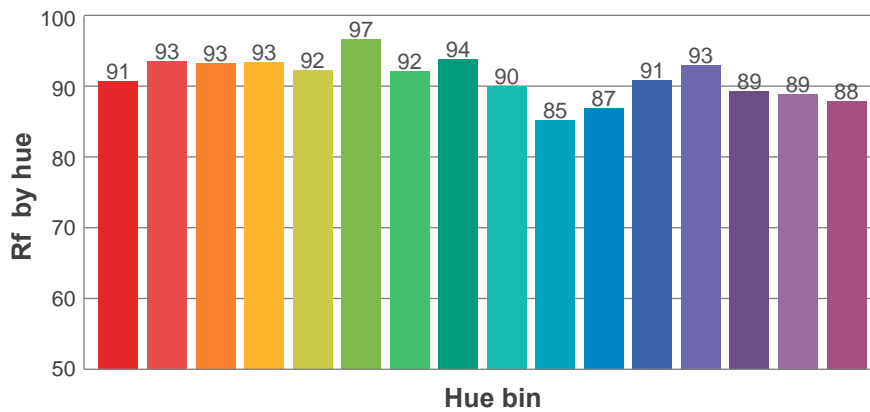
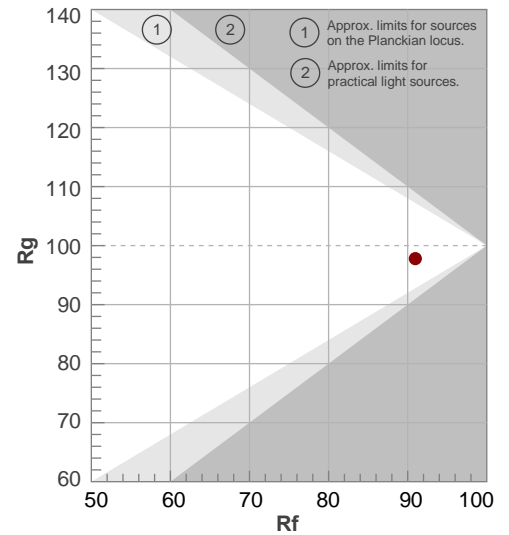
Rf 91.0

Fidelity index Rf

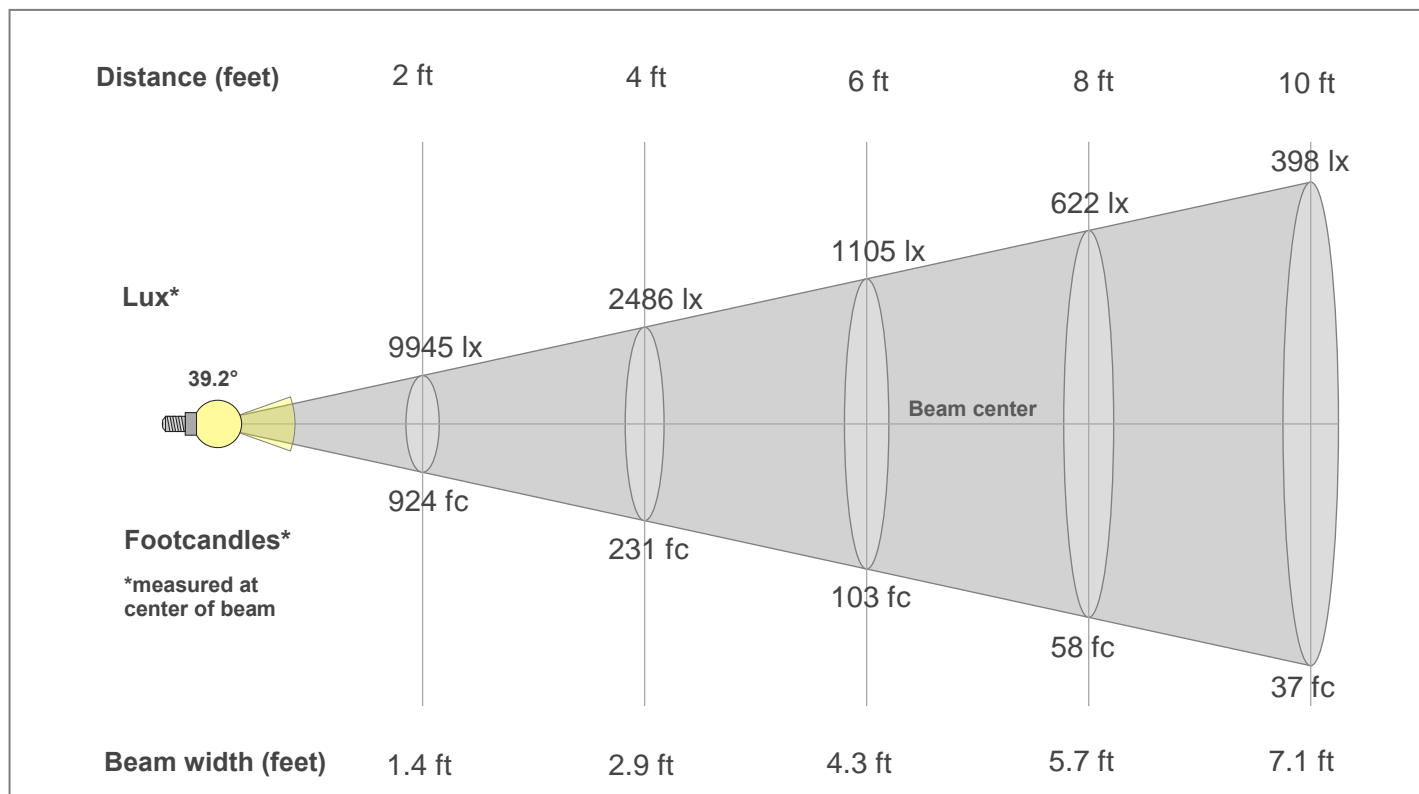
Rg 97.8

Gamut index Rg

Hue Bin	R _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	-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
3696lx	924lx	411lx	231lx	148lx	103lx	75lx	58lx	46lx	37lx	31lx	26lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
343.3fc	85.8fc	38.1fc	21.5fc	13.7fc	9.5fc	7fc	5.4fc	4.2fc	3.4fc	2.8fc	2.4fc	2fc	1.8fc	1.5fc	1.3fc	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°
3696	3695	3698	3679	3635	3535	3350	3072	2706	2265	1748	1228	795	499	318	201	126	72	34	15
100%	100%	100%	100%	98%	96%	91%	83%	73%	61%	47%	33%	22%	14%	9%	5%	3%	2%	1%	0%

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°
3696	3695	3698	3679	3635	3535	3350	3072	2706	2265	1748	1228	795	499	318	201	126	72	34	15
100%	100%	100%	100%	98%	96%	91%	83%	73%	61%	47%	33%	22%	14%	9%	5%	3%	2%	1%	0%

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°
3696	3695	3698	3679	3635	3535	3350	3072	2706	2265	1748	1228	795	499	318	201	126	72	34	15
100%	100%	100%	100%	98%	96%	91%	83%	73%	61%	47%	33%	22%	14%	9%	5%	3%	2%	1%	0%

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°
3696	3695	3698	3679	3635	3535	3350	3072	2706	2265	1748	1228	795	499	318	201	126	72	34	15
100%	100%	100%	100%	98%	96%	91%	83%	73%	61%	47%	33%	22%	14%	9%	5%	3%	2%	1%	0%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
39.2°	54.6°	66.3°	99.5%	99.3%