

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-R-HI3500-25-EL1-2-HD-FLR-2-NIC

Trim Model:

FLR-2-WH

Date:

8/10/2022



Light efficiency:

50 Lumen/Watt

Light quality:

CRI: 94.4

Color temperature:

3484 K

CIE 1931:

**x: 0.405
y: 0.388**

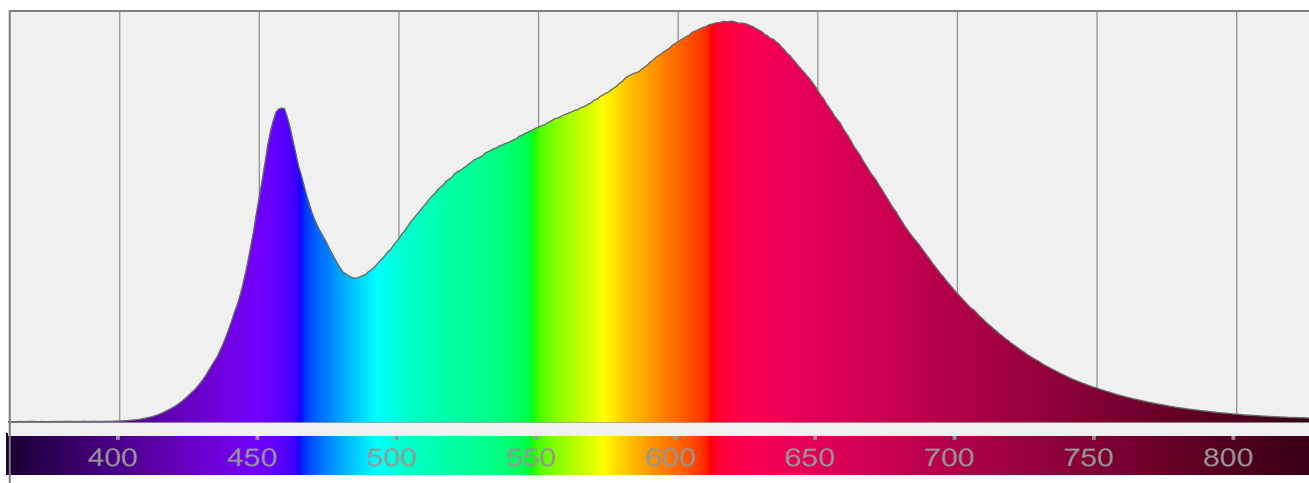
Output: 1302 lm

Peak: 4938 cd

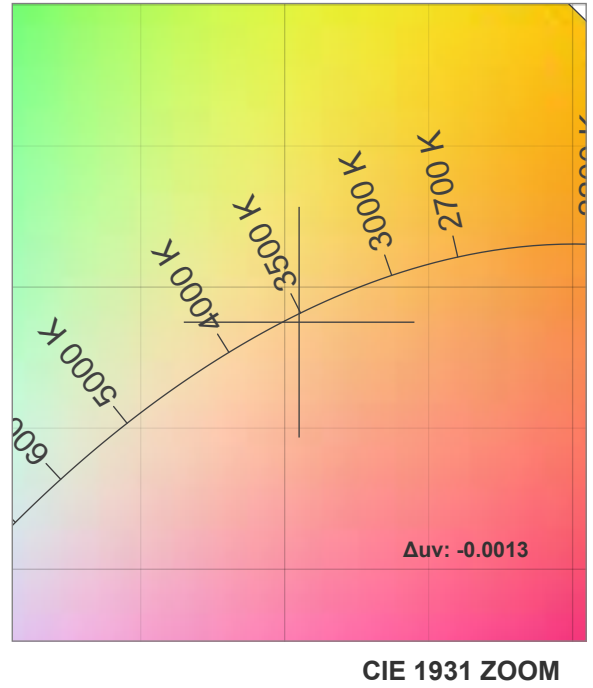
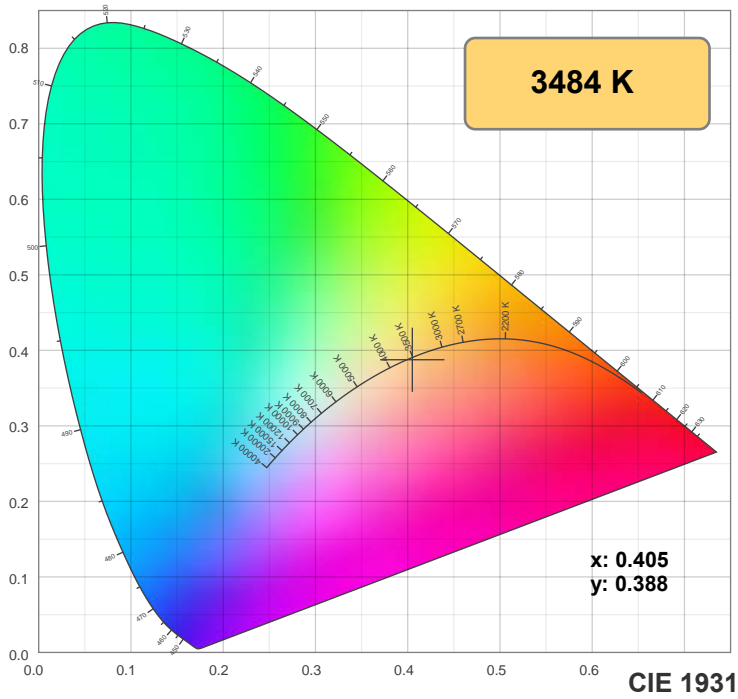
Power: 26.2 W

PF: 0.98

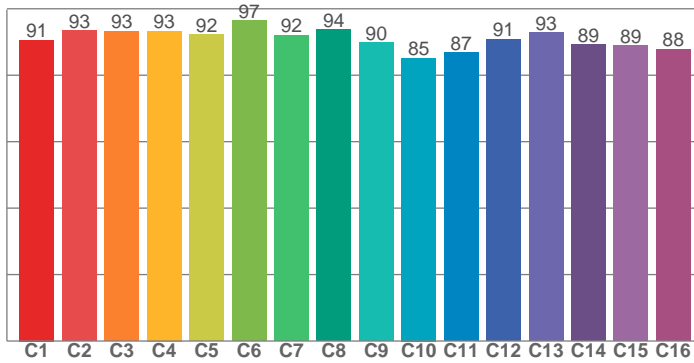
Spectra:



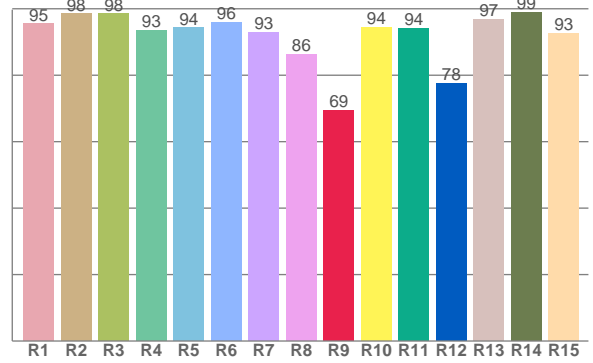
Color Details



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
95.4	98.4	98.5	93.5	94.2	95.8	92.9	86.3	69.3	94.4	94.1	77.5	96.8	98.9	92.6

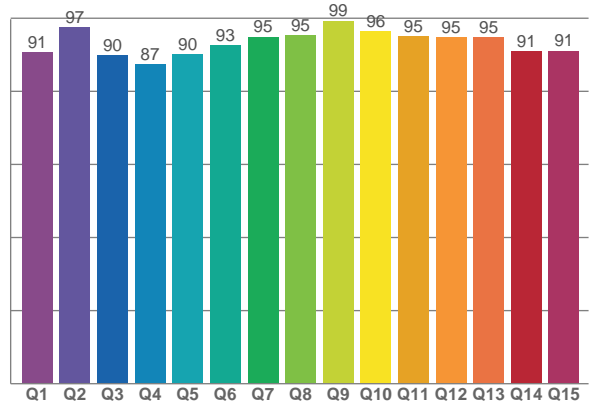
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.6	93.4	93.3	93.3	92.3	96.5	92.1	93.7	89.9	85.2	86.9	90.9	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
90.7	97.5	89.9	87.3	90.2	92.7	94.9	95.2	99.3	96.5	95.1	94.8	94.8	90.9	91.1

CQS: 92.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3484 K	94.4	69.3	91.0	97.7	92.7	0.405	0.388	0.237	0.340	-0.0013

TM-30 Details

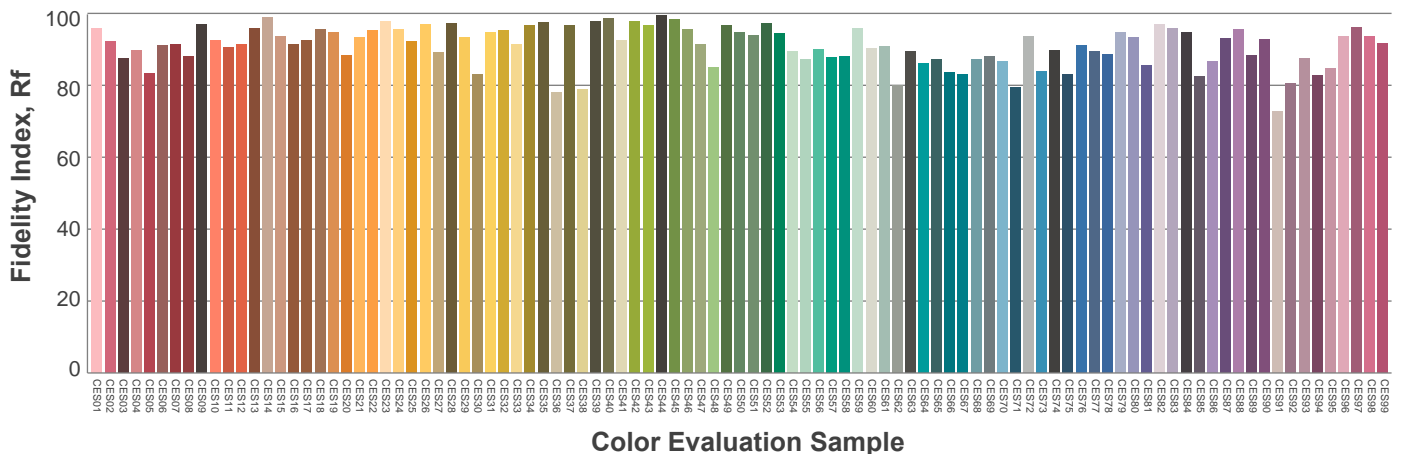
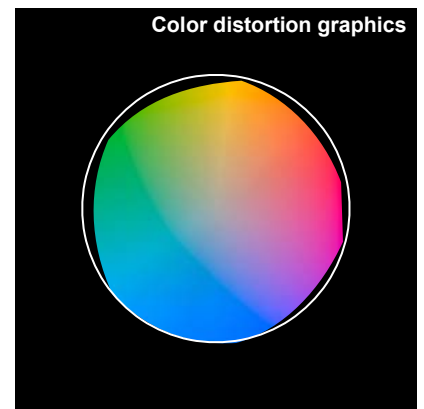
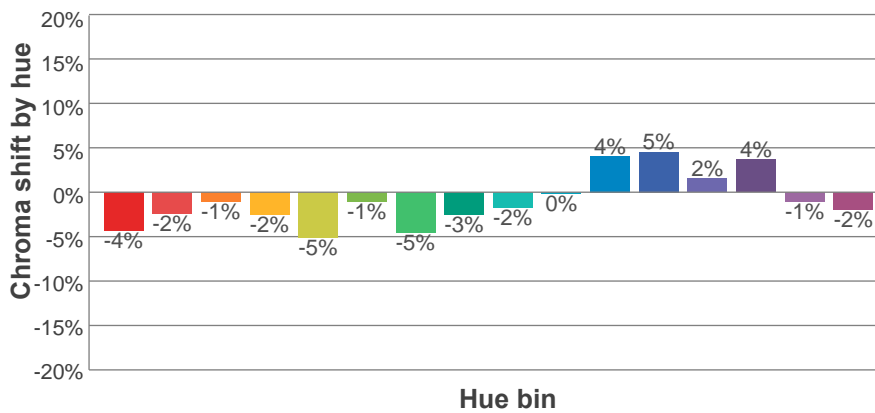
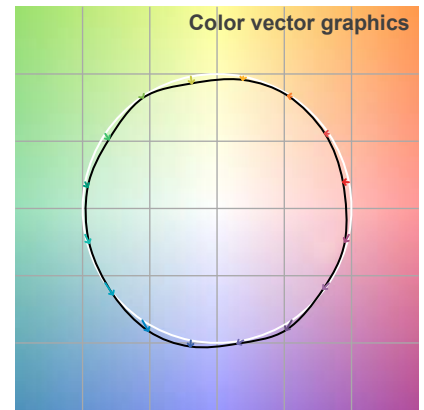
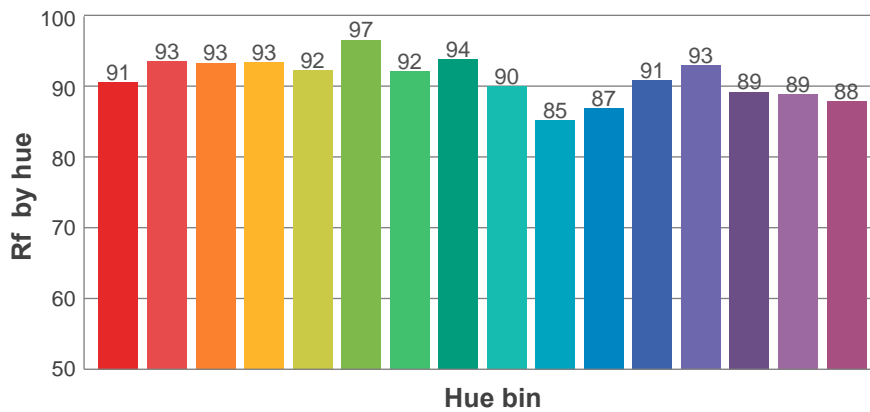
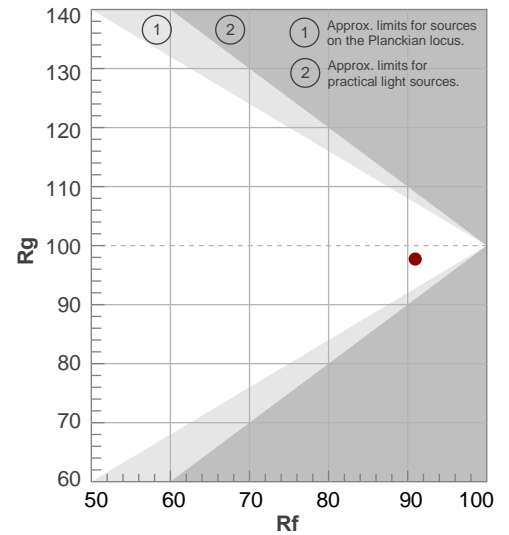
Rf 91.0

Fidelity index Rf

Rg 97.7

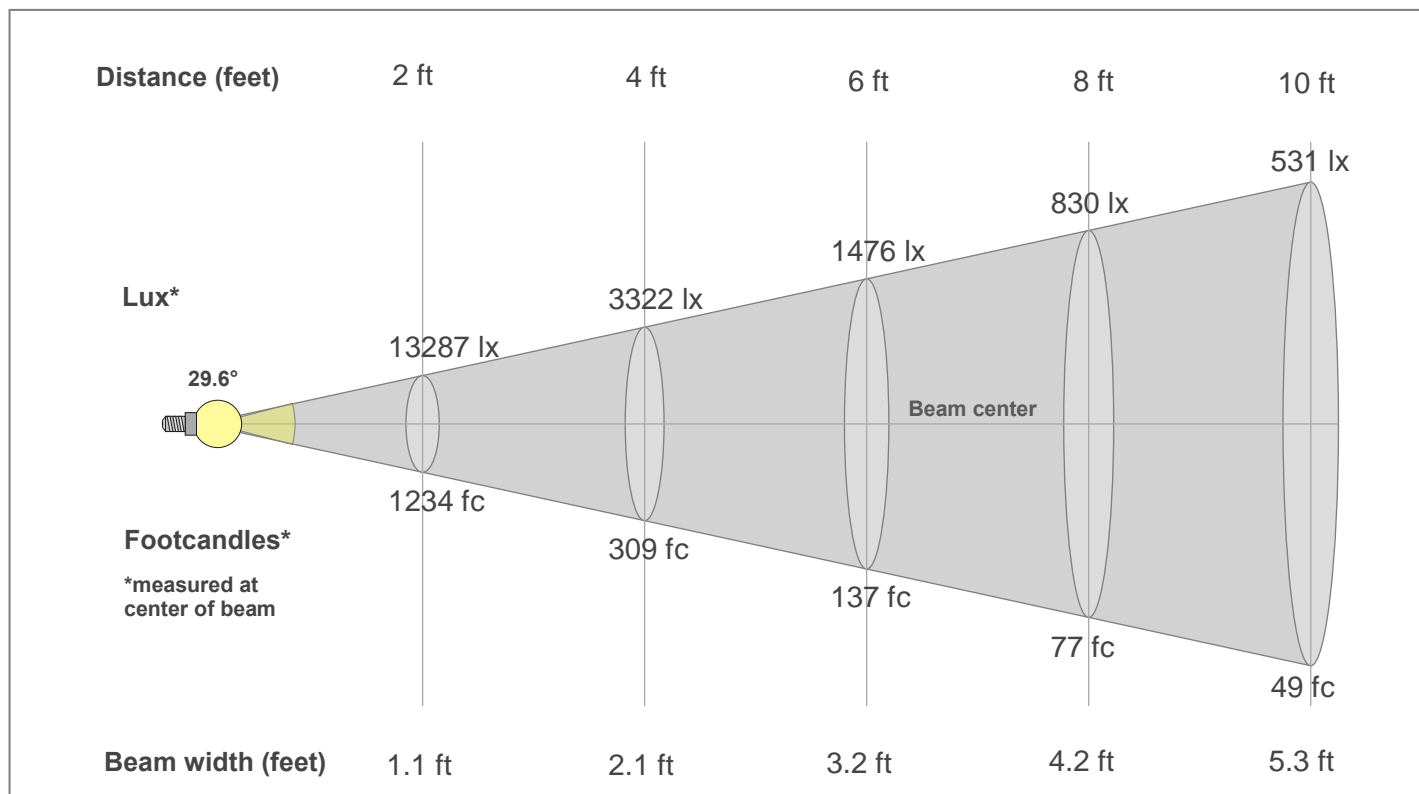
Gamut index Rg

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%



Color Evaluation Sample

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
4938lx	1234lx	549lx	309lx	198lx	137lx	101lx	77lx	61lx	49lx	41lx	34lx	29lx	25lx	22lx	19lx	17lx	15lx	14lx	12lx
458.7fc	114.7fc	51fc	28.7fc	18.3fc	12.7fc	9.4fc	7.2fc	5.7fc	4.6fc	3.8fc	3.2fc	2.7fc	2.3fc	2fc	1.8fc	1.6fc	1.4fc	1.3fc	1.1fc

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°
4938	4873	4697	4429	4088	3688	3221	2692	2133	1594	1130	764	499	319	203	129	83	54	36	24
100%	99%	95%	90%	83%	75%	65%	55%	43%	32%	23%	15%	10%	6%	4%	3%	2%	1%	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°
4938	4873	4697	4429	4088	3688	3221	2692	2133	1594	1130	764	499	319	203	129	83	54	36	24
100%	99%	95%	90%	83%	75%	65%	55%	43%	32%	23%	15%	10%	6%	4%	3%	2%	1%	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°
4938	4873	4697	4429	4088	3688	3221	2692	2133	1594	1130	764	499	319	203	129	83	54	36	24
100%	99%	95%	90%	83%	75%	65%	55%	43%	32%	23%	15%	10%	6%	4%	3%	2%	1%	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°
4938	4873	4697	4429	4088	3688	3221	2692	2133	1594	1130	764	499	319	203	129	83	54	36	24
100%	99%	95%	90%	83%	75%	65%	55%	43%	32%	23%	15%	10%	6%	4%	3%	2%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.6°	48.1°	60.4°	99.5%	99.2%