

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-IC-R-HI3500-25-EL1-2-500-FLR-2

Trim Model:

FLR-2-WH

Date:

8/8/2022



Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 94.6

Color temperature:

3468 K

CIE 1931:

x: 0.406
y: 0.389

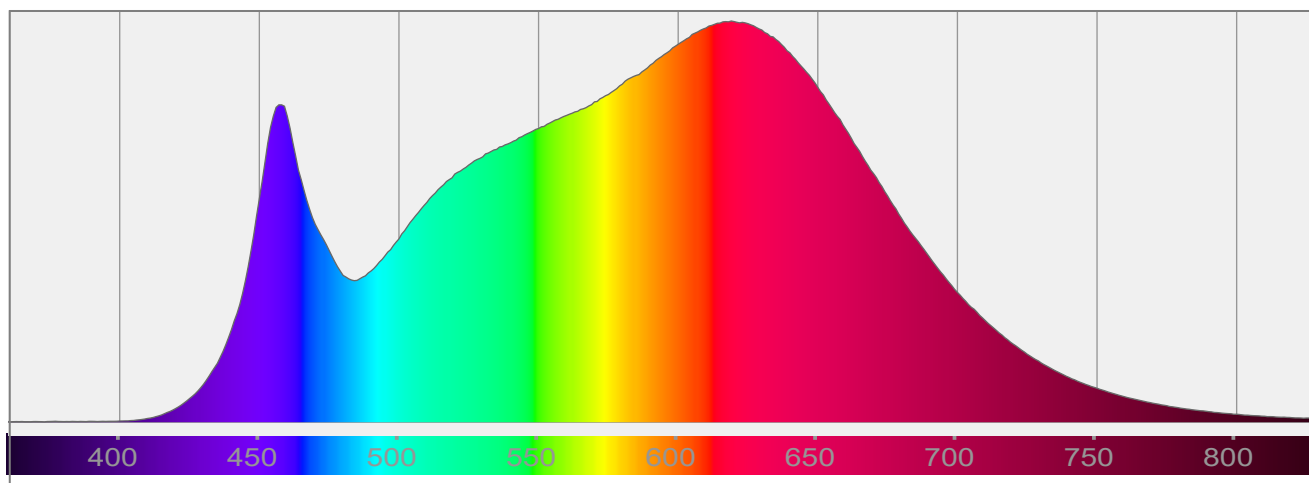
Output: 1075 lm

Peak: 4047 cd

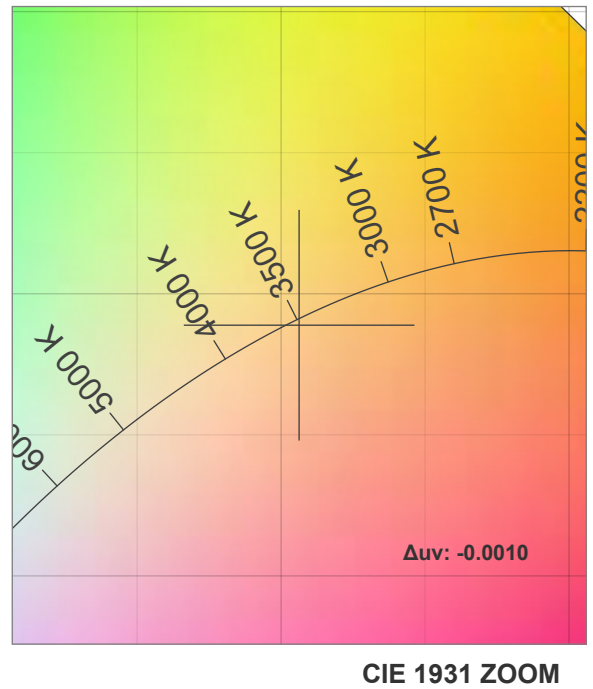
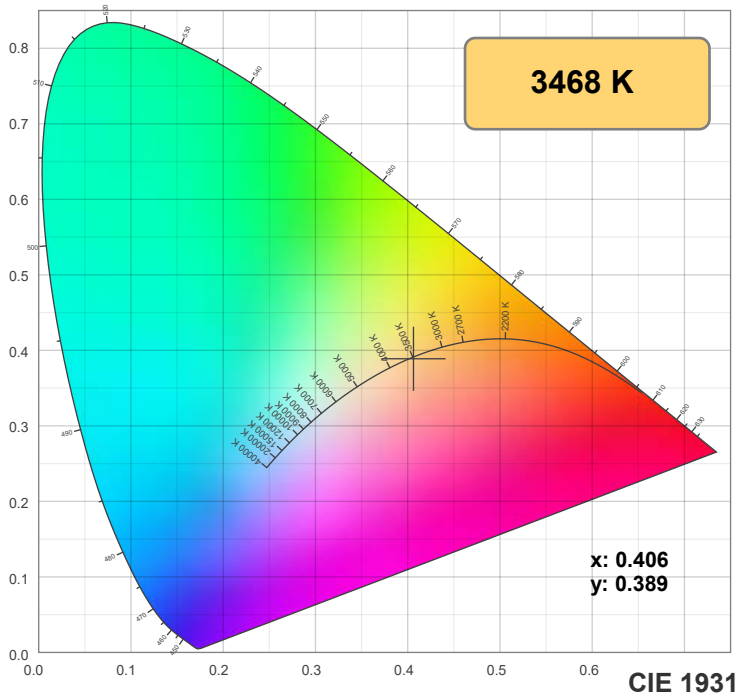
Power: 19.3 W

PF: 0.98

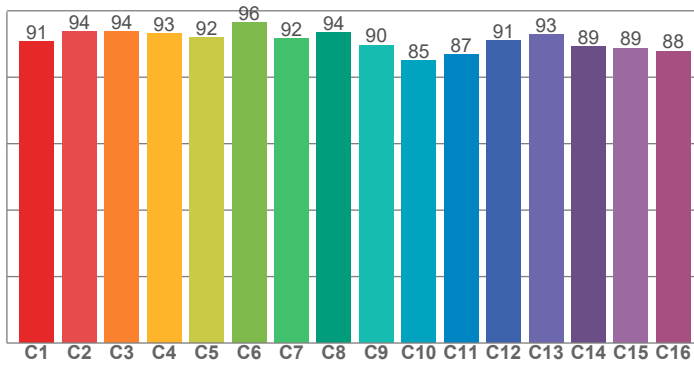
Spectra:



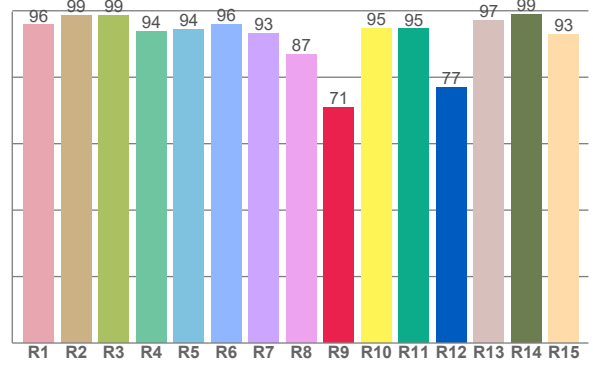
Color Details



TM-30: 90.9



CRI: 94.6 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.7	98.6	98.6	93.8	94.4	95.9	93.2	86.9	70.9	94.7	94.5	77.0	97.0	98.9	92.9

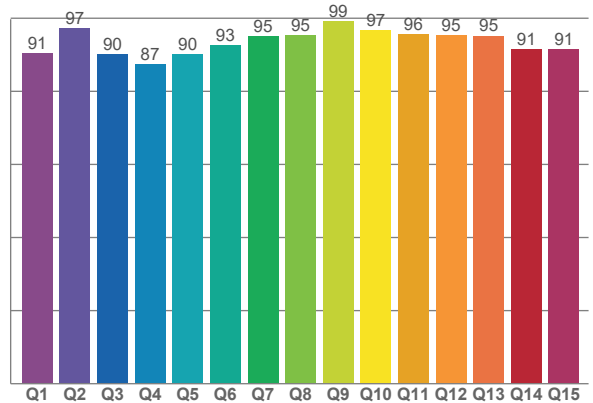
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	93.7	93.8	93.1	92.0	96.5	91.7	93.5	89.7	85.0	86.9	90.9	92.9	89.3	88.8	87.9

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.5	97.3	90.1	87.5	90.2	92.7	95.2	95.4	99.2	96.7	95.5	95.2	95.2	91.4	91.4

CQS: 92.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3468 K	94.6	70.9	90.9	97.6	92.8	0.406	0.389	0.237	0.340	-0.0010

TM-30 Details

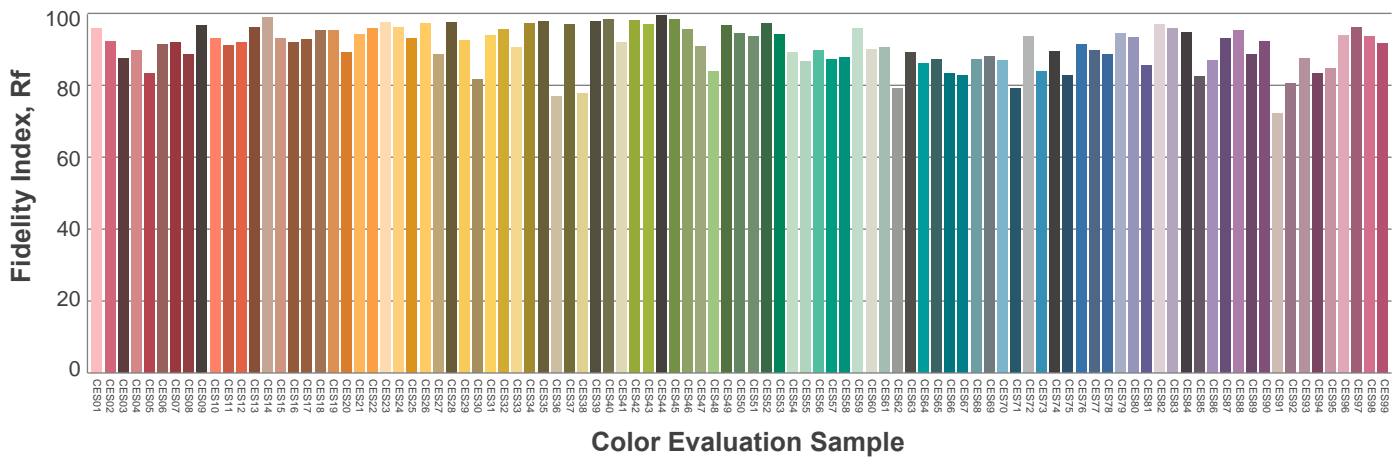
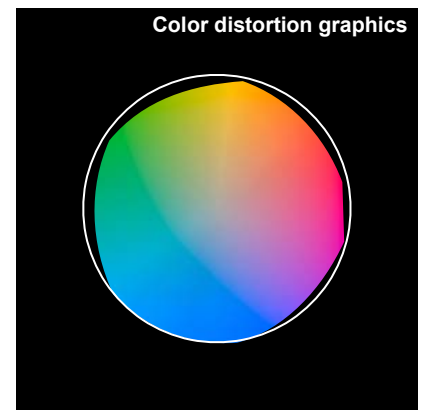
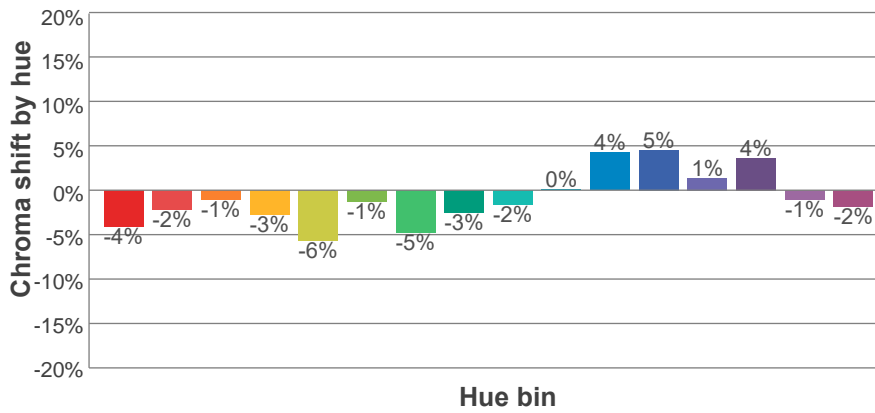
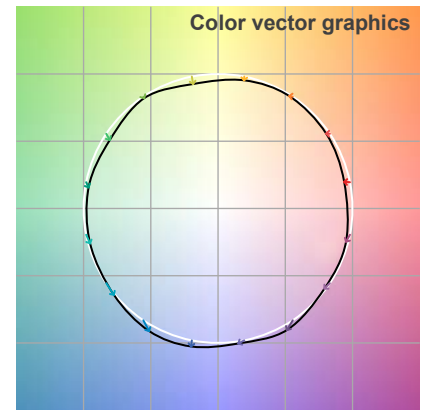
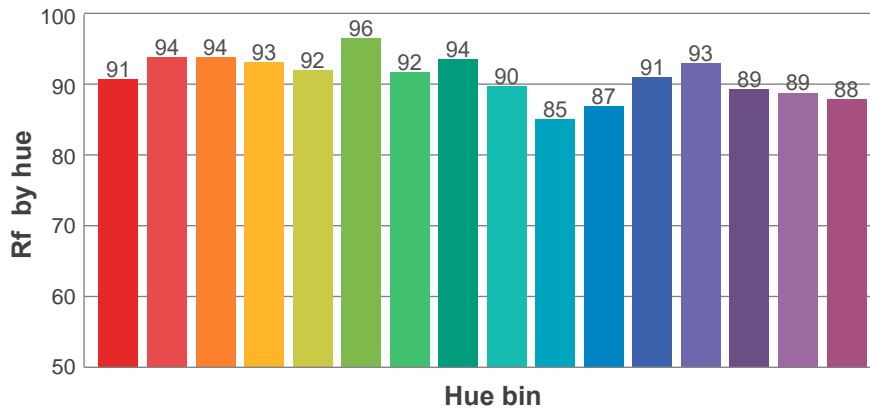
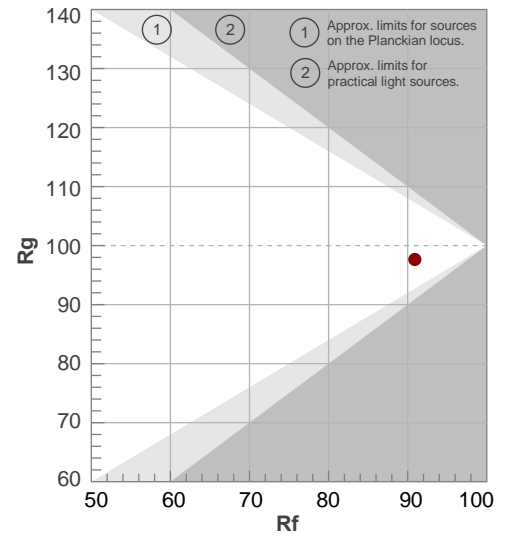
Rf 90.9

Fidelity index Rf

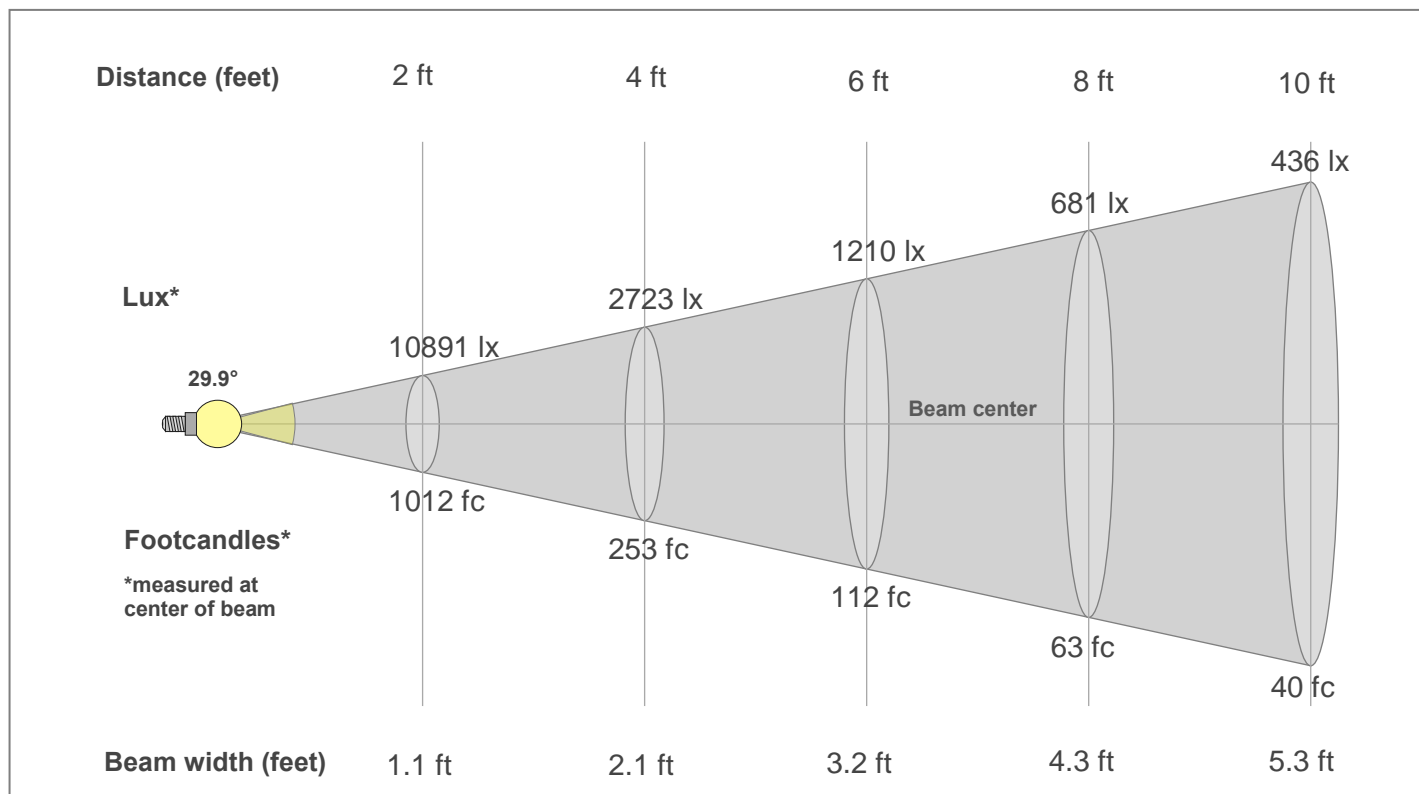
Rg 97.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-4%	1%
2	94	-2%	2%
3	94	-1%	2%
4	93	-3%	0%
5	92	-6%	0%
6	96	-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%	0%
13	93	1%	-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
4047lx	1012lx	450lx	253lx	162lx	112lx	83lx	63lx	50lx	40lx	33lx	28lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx
376fc	94fc	41.8fc	23.5fc	15fc	10.4fc	7.7fc	5.9fc	4.6fc	3.8fc	3.1fc	2.6fc	2.2fc	1.9fc	1.7fc	1.5fc	1.3fc	1.2fc	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°
4047	3996	3855	3638	3352	3036	2664	2237	1778	1333	945	639	416	263	165	104	66	43	28	18
100%	99%	95%	90%	83%	75%	66%	55%	44%	33%	23%	16%	10%	7%	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°
4047	3996	3855	3638	3352	3036	2664	2237	1778	1333	945	639	416	263	165	104	66	43	28	18
100%	99%	95%	90%	83%	75%	66%	55%	44%	33%	23%	16%	10%	7%	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°
4047	3996	3855	3638	3352	3036	2664	2237	1778	1333	945	639	416	263	165	104	66	43	28	18
100%	99%	95%	90%	83%	75%	66%	55%	44%	33%	23%	16%	10%	7%	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°
4047	3996	3855	3638	3352	3036	2664	2237	1778	1333	945	639	416	263	165	104	66	43	28	18
100%	99%	95%	90%	83%	75%	66%	55%	44%	33%	23%	16%	10%	7%	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°
29.9°	48.2°	60.2°	99.5%	99.3%