

Photometric / Colorimetric / Electric Report

Fixture Model:

200-HD-IC-R-HI3500-15-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:

3484 K

CIE 1931:

x: 0.405
y: 0.388

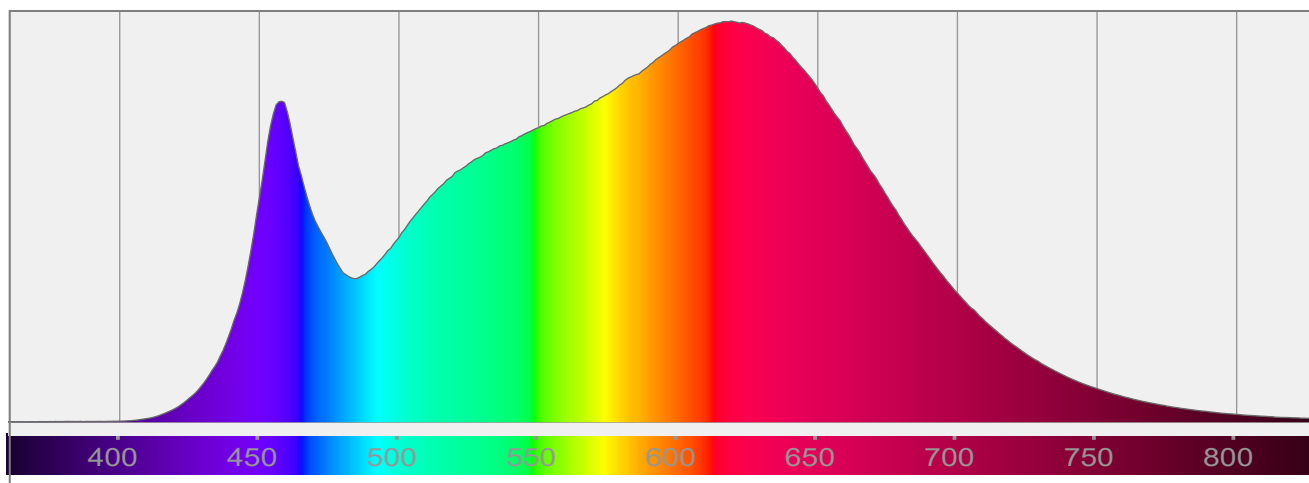
Output: 1085 lm

Peak: 7881 cd

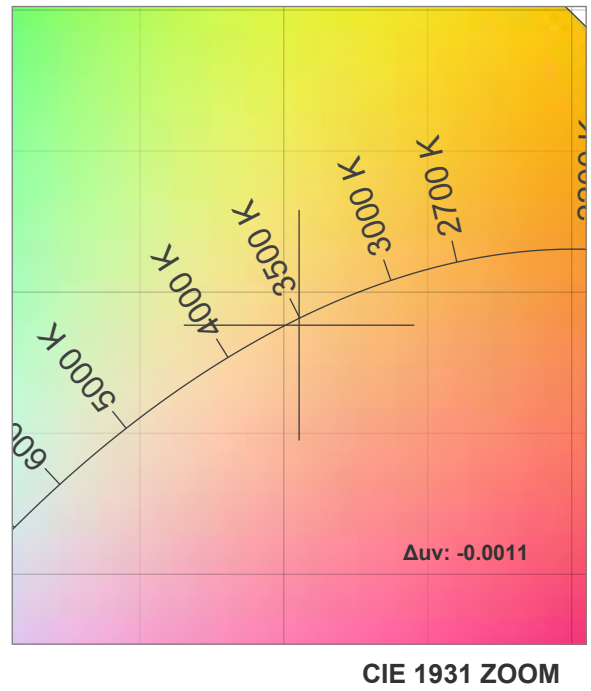
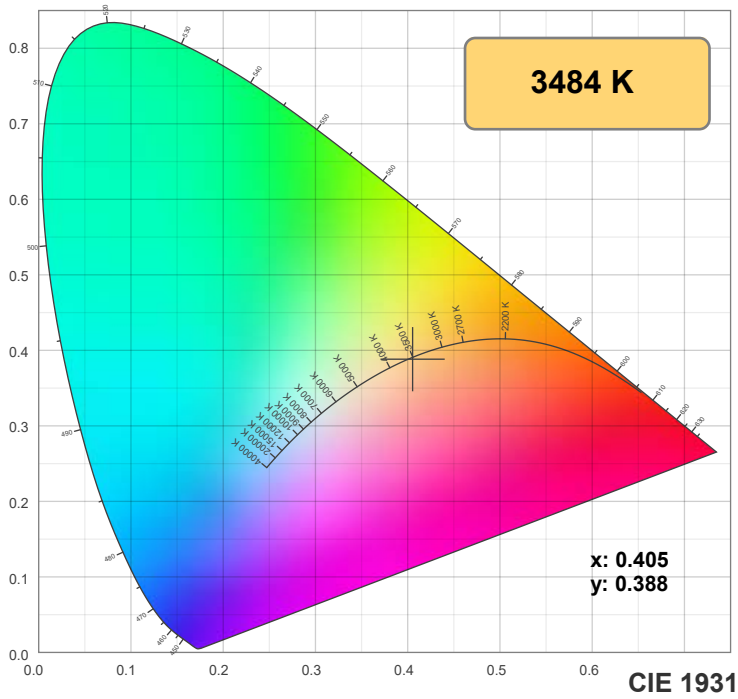
Power: 19.4 W

PF: 0.98

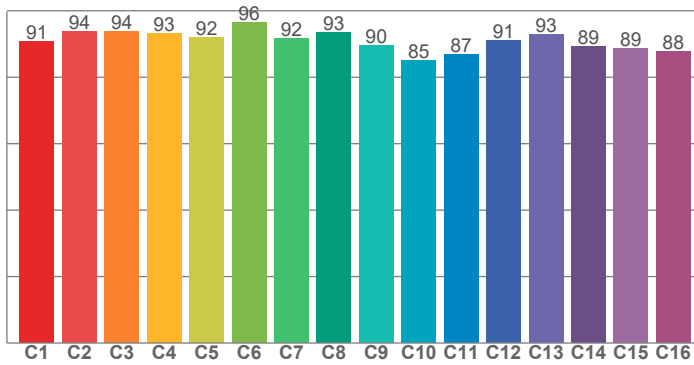
Spectra:



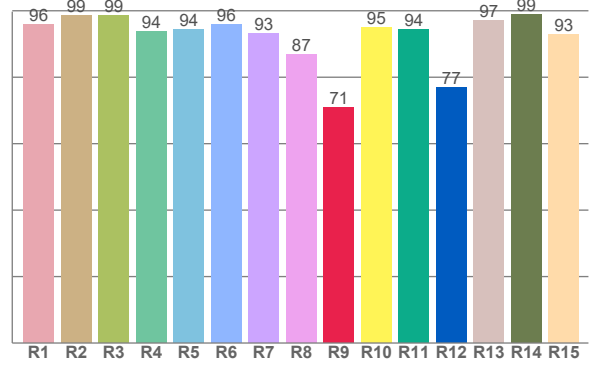
Color Details



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
95.8	98.7	98.6	93.7	94.4	96.0	93.1	86.9	70.8	94.9	94.5	77.0	97.1	98.9	92.9

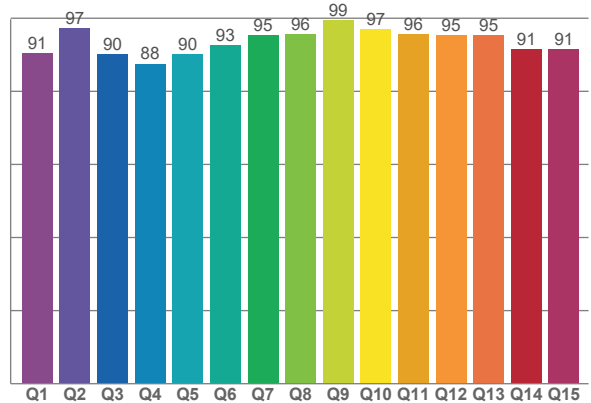
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	93.7	93.8	93.0	92.0	96.4	91.5	93.4	89.5	84.9	86.9	90.9	92.8	89.2	88.7	87.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.5	97.3	90.2	87.5	90.2	92.7	95.3	95.6	99.4	96.9	95.7	95.3	95.3	91.4	91.4

CQS: 92.9



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3484 K	94.6	70.8	90.9	97.6	92.9	0.405	0.388	0.237	0.340	-0.0011

TM-30 Details

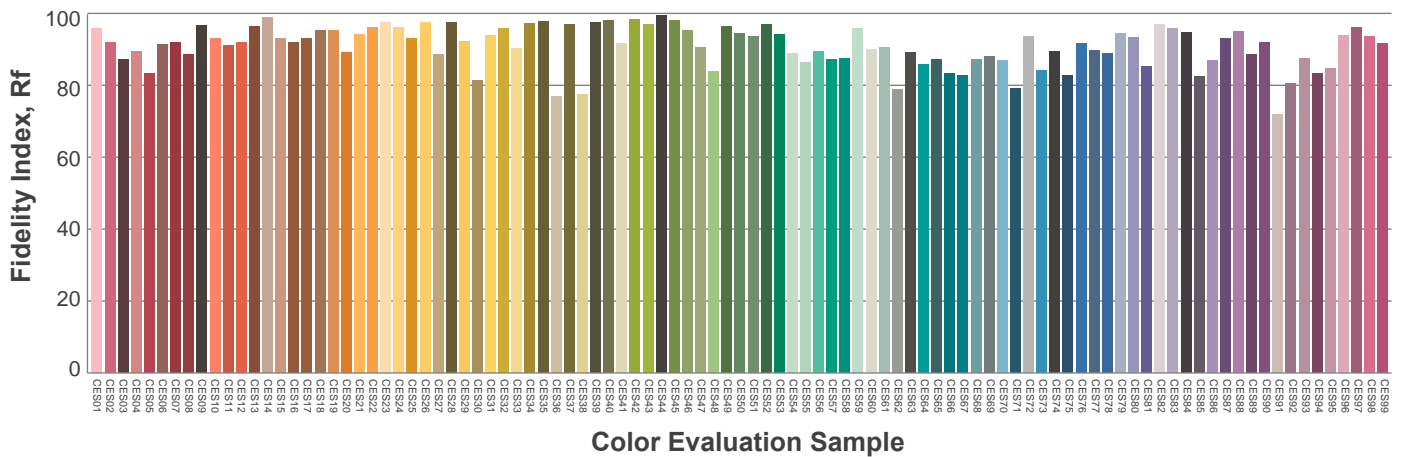
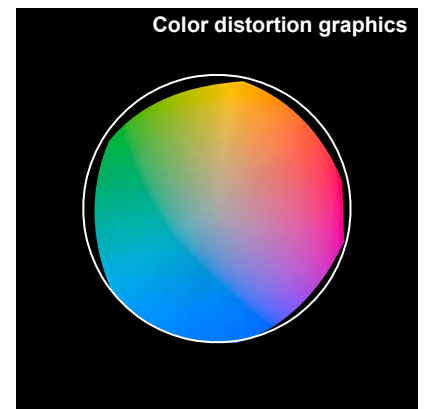
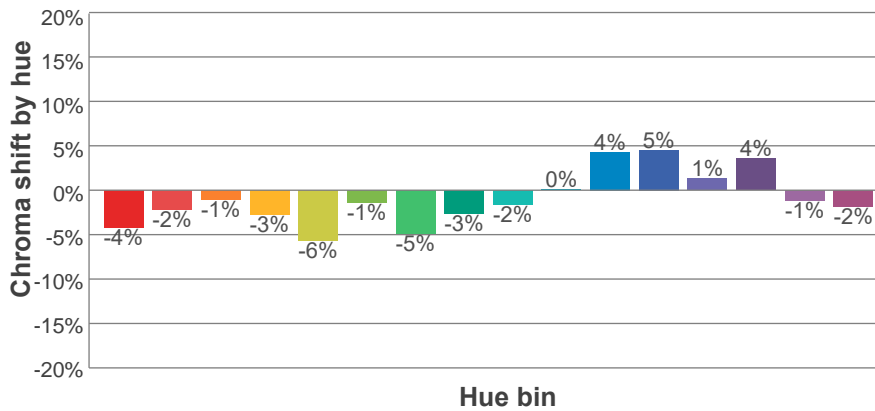
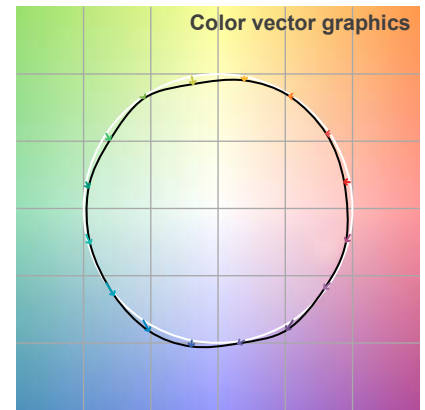
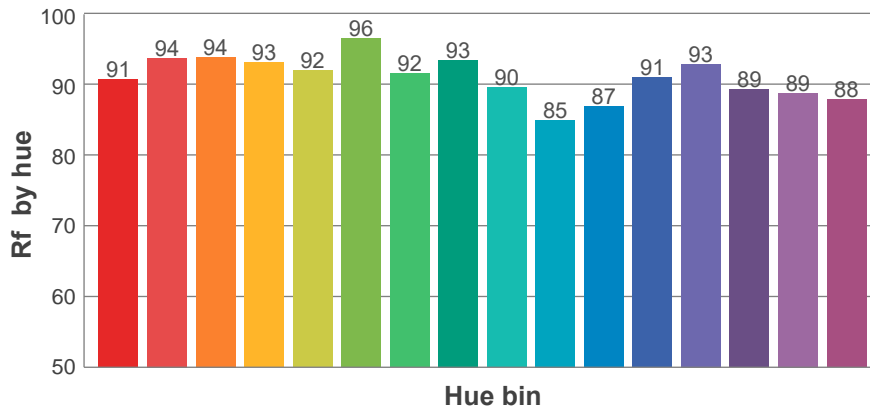
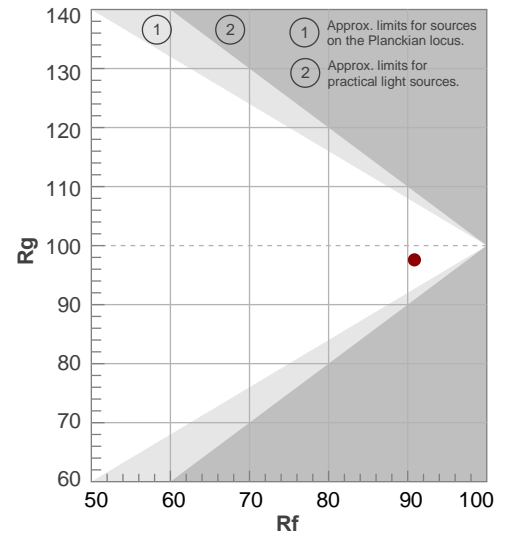
Rf 90.9

Fidelity index Rf

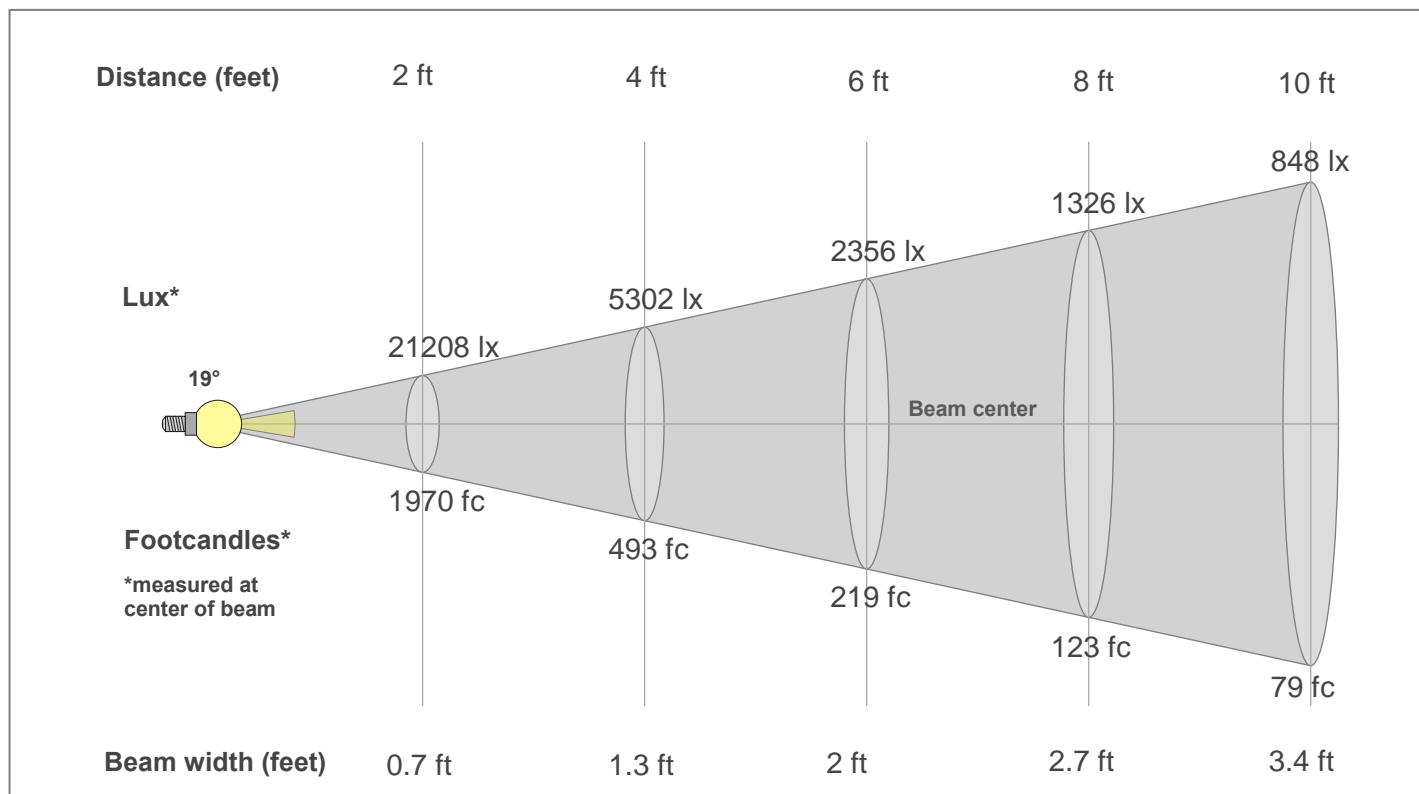
Rg 97.6

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	93	-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
7881lx	1970lx	876lx	493lx	315lx	219lx	161lx	123lx	97lx	79lx	65lx	55lx	47lx	40lx	35lx	31lx	27lx	24lx	22lx	20lx
732.2fc	183fc	81.4fc	45.8fc	29.3fc	20.3fc	14.9fc	11.4fc	9fc	7.3fc	6.1fc	5.1fc	4.3fc	3.7fc	3.3fc	2.9fc	2.5fc	2.3fc	2fc	1.8fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7881	7821	7568	7178	6684	6157	5649	5145	4651	4179	3712	3247	2793	2371	2000	1675	1384	1126	903	714
100%	99%	96%	91%	85%	78%	72%	65%	59%	53%	47%	41%	35%	30%	25%	21%	18%	14%	11%	9%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7881	7821	7568	7178	6684	6157	5649	5145	4651	4179	3712	3247	2793	2371	2000	1675	1384	1126	903	714
100%	99%	96%	91%	85%	78%	72%	65%	59%	53%	47%	41%	35%	30%	25%	21%	18%	14%	11%	9%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7881	7821	7568	7178	6684	6157	5649	5145	4651	4179	3712	3247	2793	2371	2000	1675	1384	1126	903	714
100%	99%	96%	91%	85%	78%	72%	65%	59%	53%	47%	41%	35%	30%	25%	21%	18%	14%	11%	9%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7881	7821	7568	7178	6684	6157	5649	5145	4651	4179	3712	3247	2793	2371	2000	1675	1384	1126	903	714
100%	99%	96%	91%	85%	78%	72%	65%	59%	53%	47%	41%	35%	30%	25%	21%	18%	14%	11%	9%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
19°	37.2°	48.1°	99.4%	99.2%