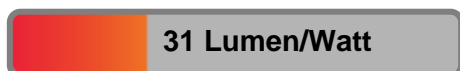


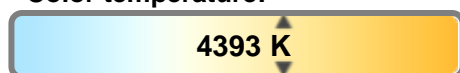
Light efficiency:



Light quality:



Color temperature:



Output: 10164 lm

Peak: 57957 cd

Power: 331 W

PF: 1.0



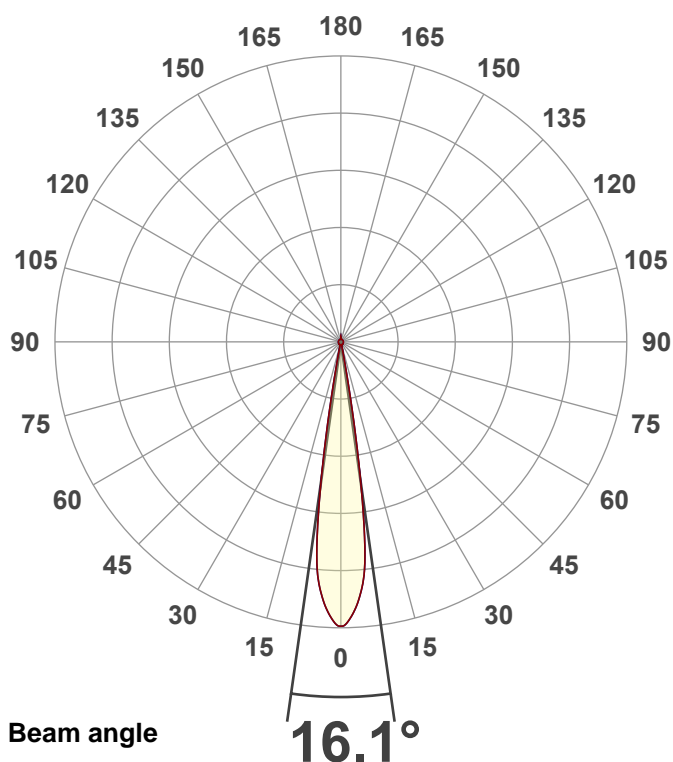
Product name:

Hydro Flex L7 (Zoom 50% 4500K)

Item number:

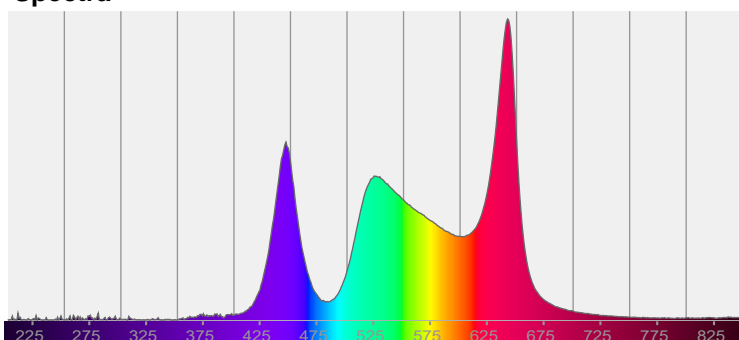
Date and time:

8/26/2025 8:28:13 AM

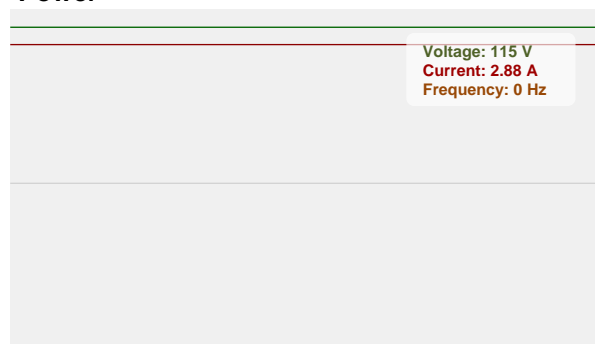


CIE 1931
x: 0.364
y: 0.363

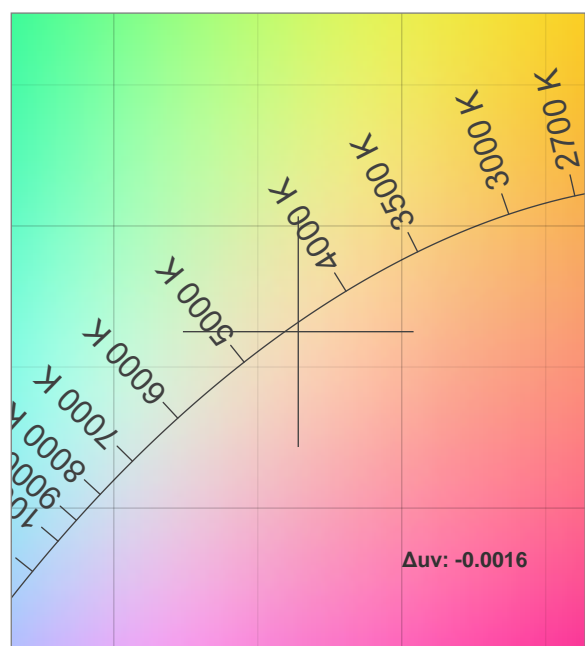
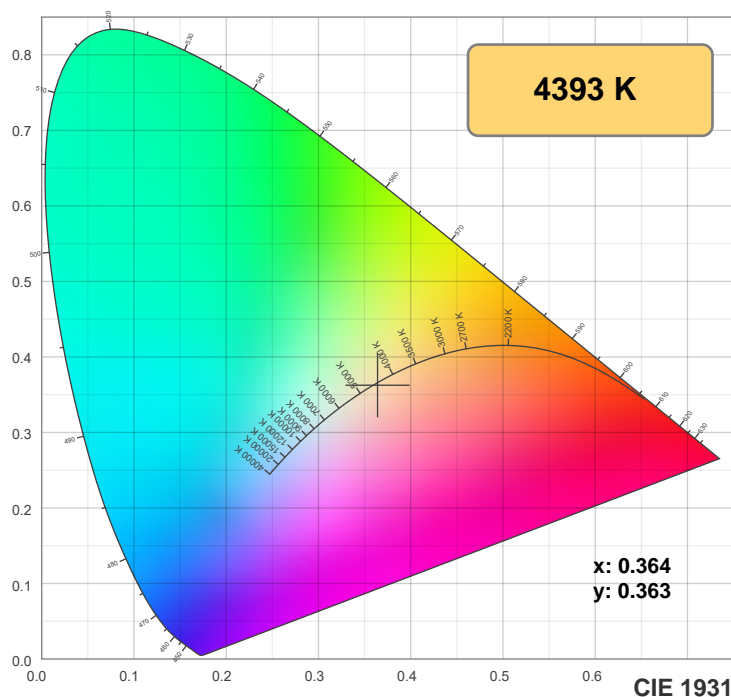
Spectra



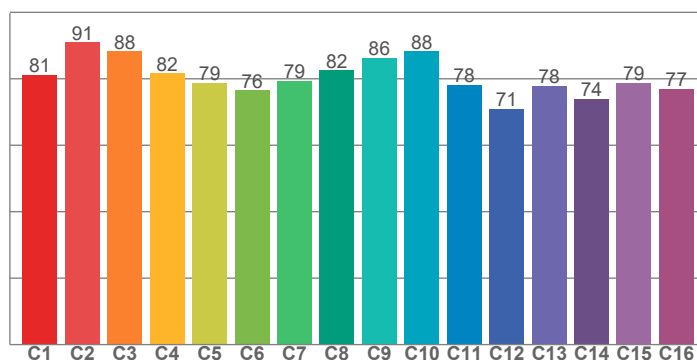
Power



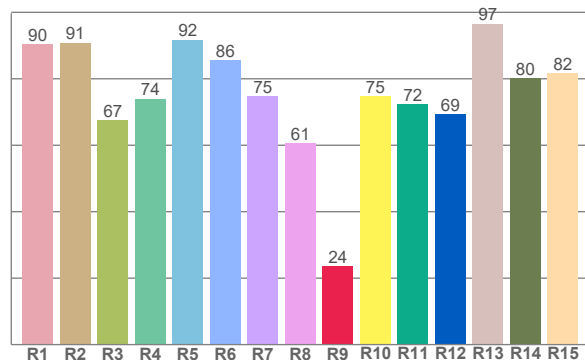
Color details



TM-30: 81.4



CRI: 79.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90.4	90.9	67.5	74.0	91.7	85.6	74.8	60.7	23.6	74.9	72.2	69.4	96.6	80.3	81.8

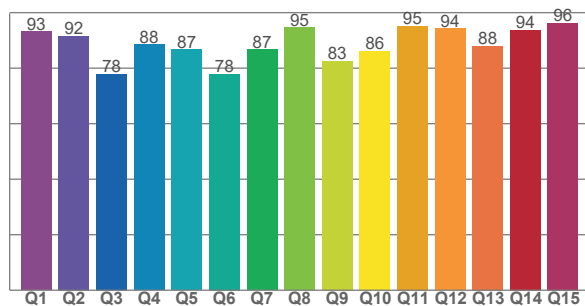
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.2	91.0	88.3	81.7	78.8	76.5	79.4	82.5	86.3	88.3	78.2	71.0	77.8	73.9	78.8	77.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.3	91.5	78.0	88.4	86.8	77.8	86.7	94.7	82.7	86.2	95.3	94.2	88.0	93.7	96.3

CQS: 87.5



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4393 K	79.5	23.6	81.4	113.3	87.5	0.364	0.363	0.220	0.328	-0.0016

TM-30 details

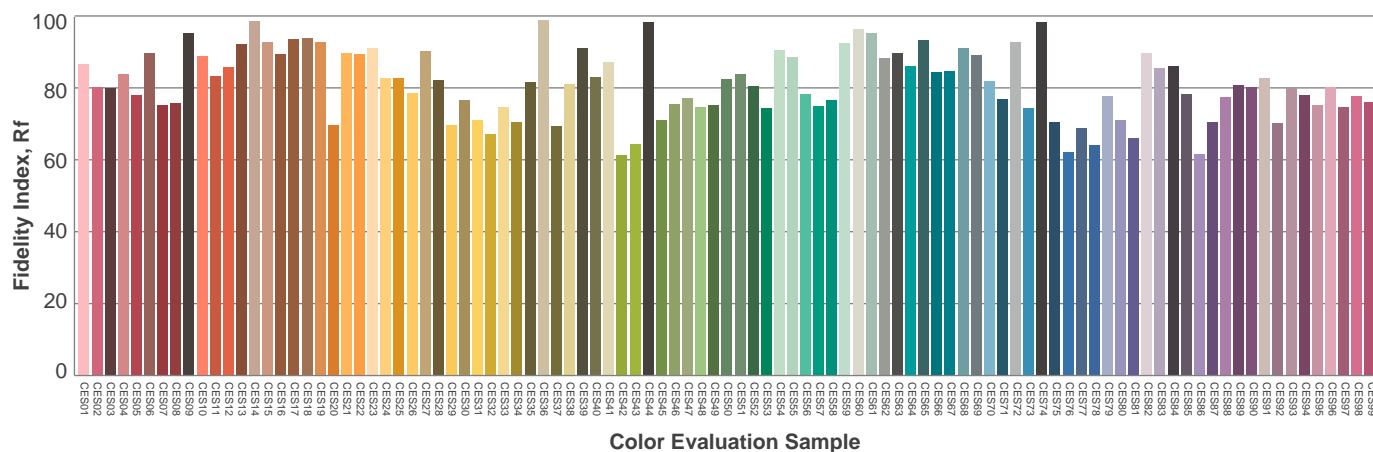
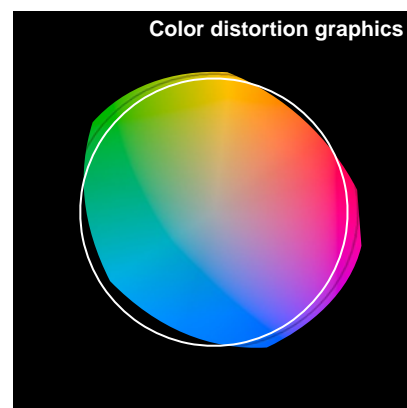
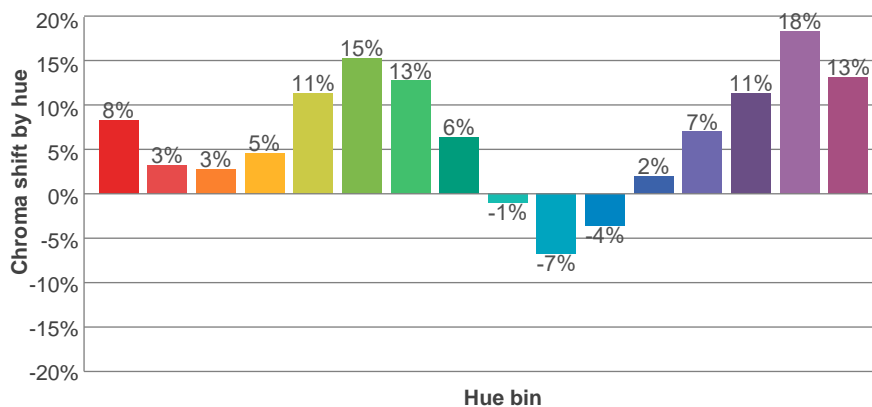
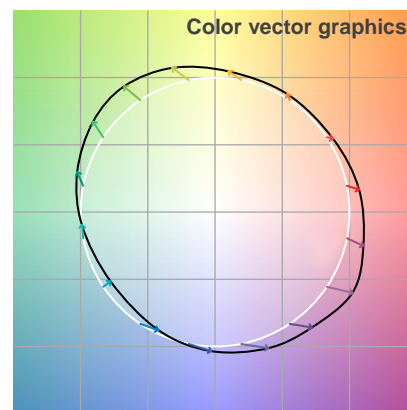
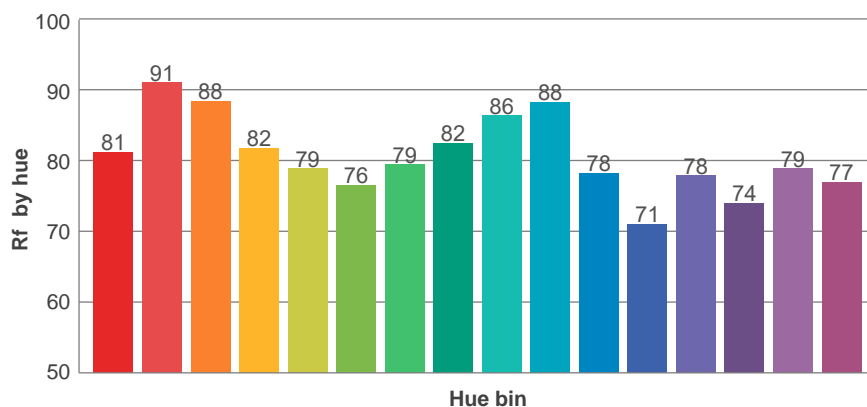
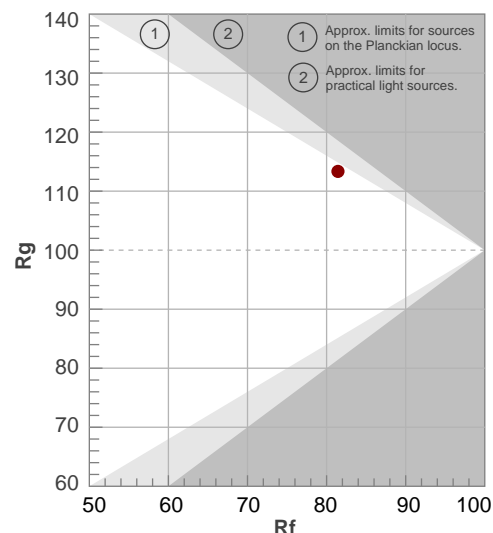
Rf 81.4

Fidelity index Rf

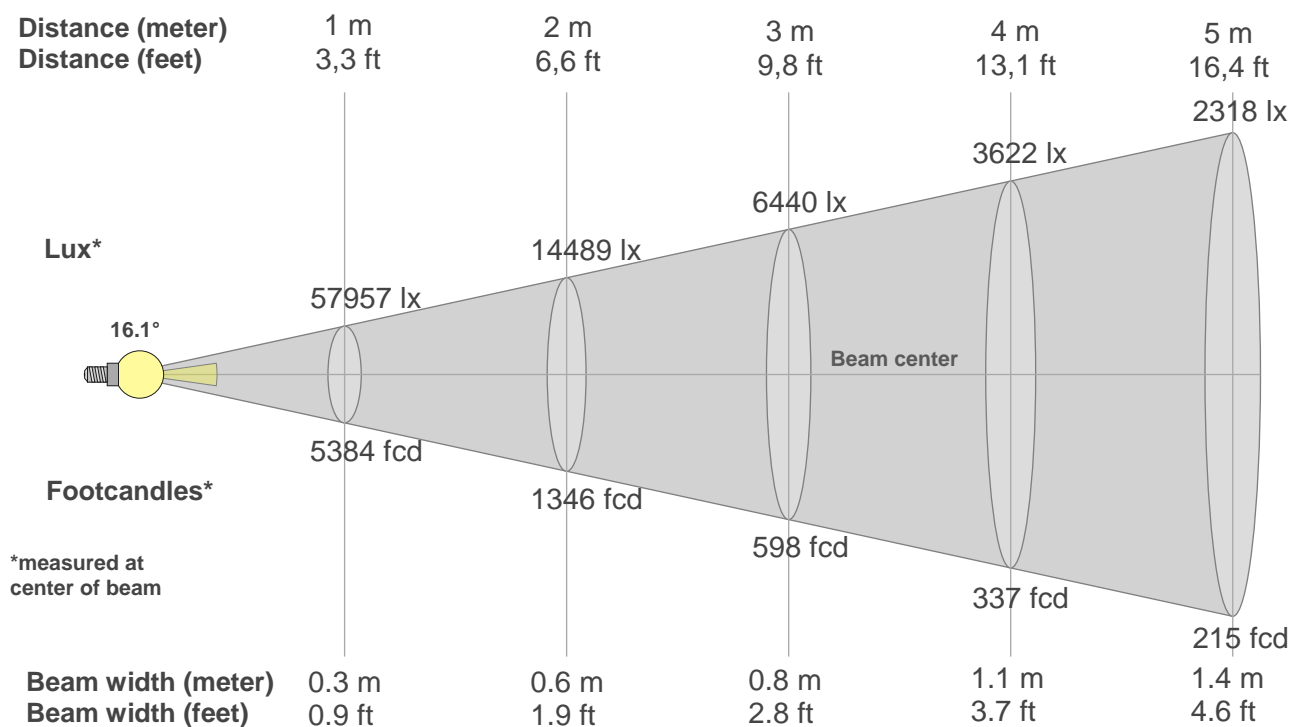
Rg 113.3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	8%	-5%
2	91	3%	-3%
3	88	3%	4%
4	82	5%	11%
5	79	11%	10%
6	76	15%	4%
7	79	13%	-5%
8	82	6%	-9%
9	86	-1%	-10%
10	88	-7%	0%
11	78	-4%	14%
12	71	2%	17%
13	78	7%	19%
14	74	11%	12%
15	79	18%	7%
16	77	13%	-3%



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
57957lx	14489lx	6440lx	3622lx	2318lx	1610lx	1183lx	906lx	716lx	580lx	479lx	402lx	343lx	296lx	258lx	226lx	201lx	179lx	161lx	145lx
5384.4fcd	1346.1fcd	598.3fcd	336.5fcd	215.4fcd	149.6fcd	109.9fcd	84.1fcd	66.5fcd	53.8fcd	44.5fcd	37.4fcd	31.9fcd	27.5fcd	23.9fcd	21fcd	18.6fcd	16.6fcd	14.9fcd	13.5fcd

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°
58.0k	57.6k	56.3k	54.7k	52.6k	50.0k	46.3k	39.4k	29.6k	18.7k	8.9k	3.0k	1.2k	0.8k	0.7k	0.6k	0.6k	0.6k	0.6k	0.6k
100%	99%	97%	94%	91%	86%	80%	68%	51%	32%	15%	5%	2%	1%	1%	1%	1%	1%	1%	1%

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°
58.0k	57.6k	56.3k	54.7k	52.6k	50.0k	46.3k	39.4k	29.6k	18.7k	8.9k	3.0k	1.2k	0.8k	0.7k	0.6k	0.6k	0.6k	0.6k	0.6k
100%	99%	97%	94%	91%	86%	80%	68%	51%	32%	15%	5%	2%	1%	1%	1%	1%	1%	1%	1%

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°
58.0k	57.6k	56.3k	54.7k	52.6k	50.0k	46.3k	39.4k	29.6k	18.7k	8.9k	3.0k	1.2k	0.8k	0.7k	0.6k	0.6k	0.6k	0.6k	0.6k
100%	99%	97%	94%	91%	86%	80%	68%	51%	32%	15%	5%	2%	1%	1%	1%	1%	1%	1%	1%

Intensities in 270° c-plane

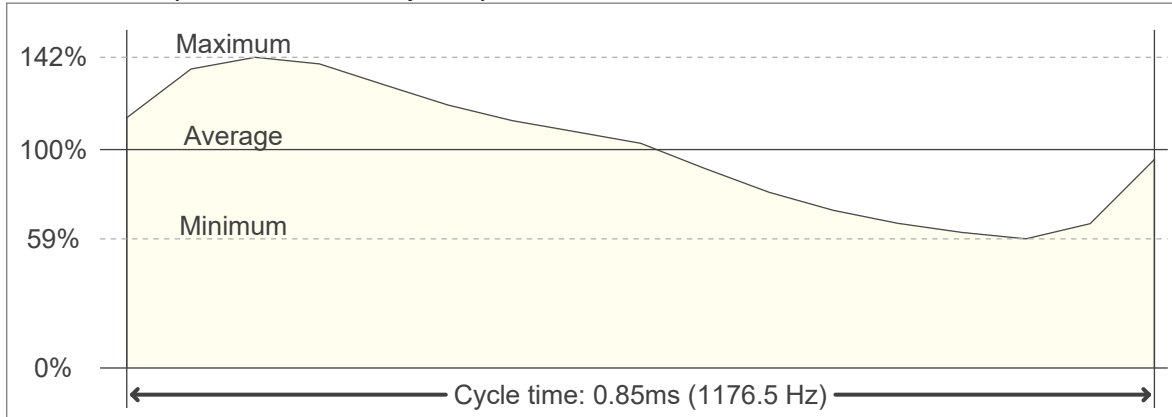
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
58.0k	57.6k	56.3k	54.7k	52.6k	50.0k	46.3k	39.4k	29.6k	18.7k	8.9k	3.0k	1.2k	0.8k	0.7k	0.6k	0.6k	0.6k	0.6k	0.6k
100%	99%	97%	94%	91%	86%	80%	68%	51%	32%	15%	5%	2%	1%	1%	1%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.1°	20.8°	23.5°	52.8%	45.6%

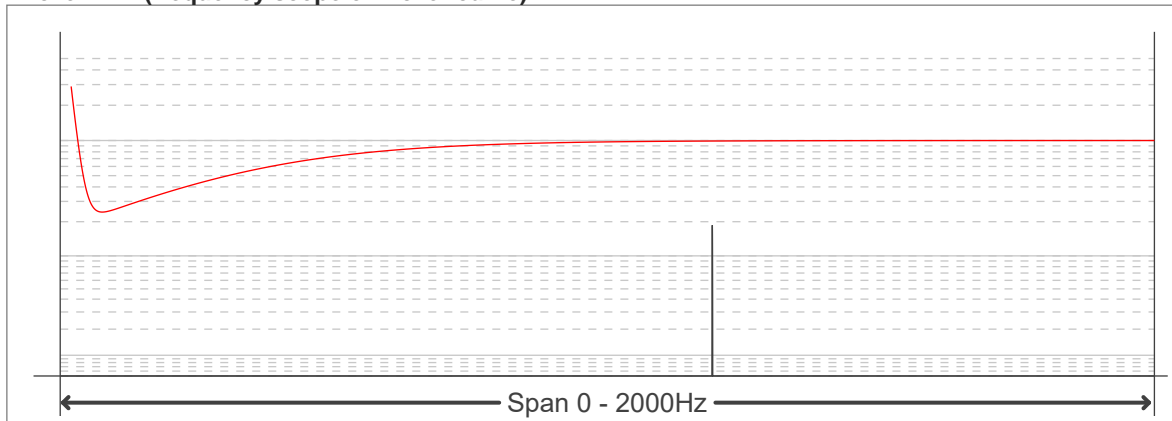
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.12	JA8/10 40Hz	0.16 %
Flicker percentage:	46.27 %	JA8/10 90Hz	0.16 %
SVM: (Visual flicker)	0.38	JA8/10 200Hz	0.17 %
PstLM	0	JA8/10 400Hz	0.23 %
Mp	0.12	JA8/10 1000Hz	3.26 %

Flicker conditions:

Sample rate:	20000 samples/second
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