

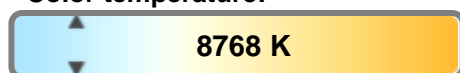
Light efficiency:



Light quality:



Color temperature:



Output: 6396 lm

Peak: 4128 cd

Power: 178.8 W

PF: 1.0



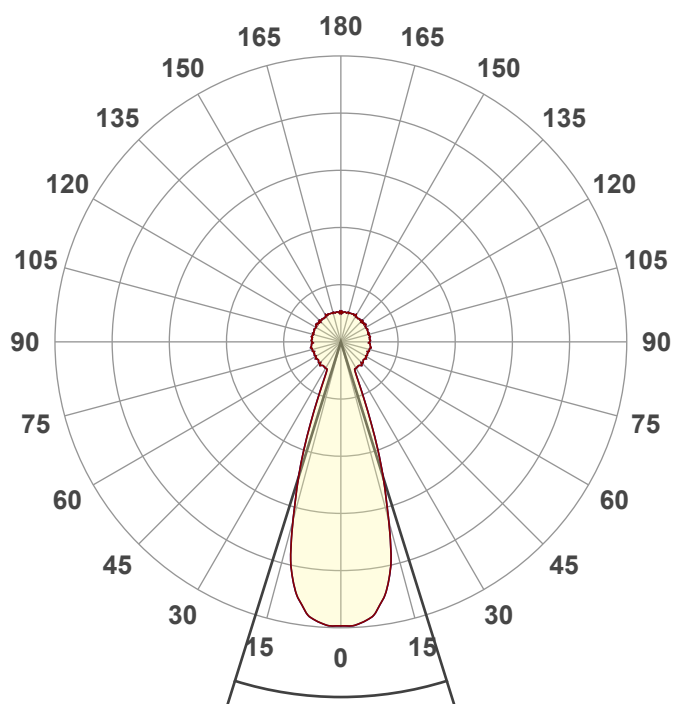
Product name:

Hydro Flex L7 (Zoom Out Red)

Item number:

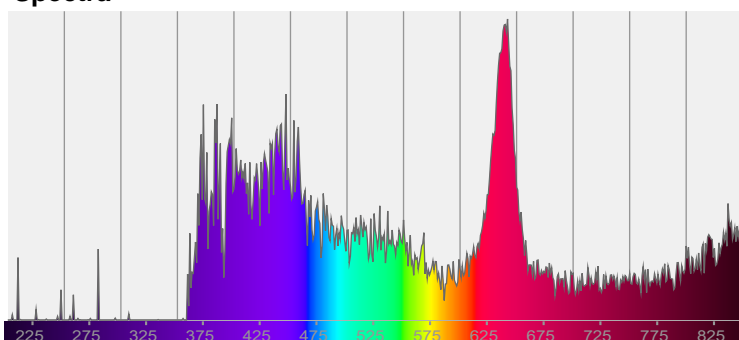
Date and time:

8/25/2025 11:40:50 AM

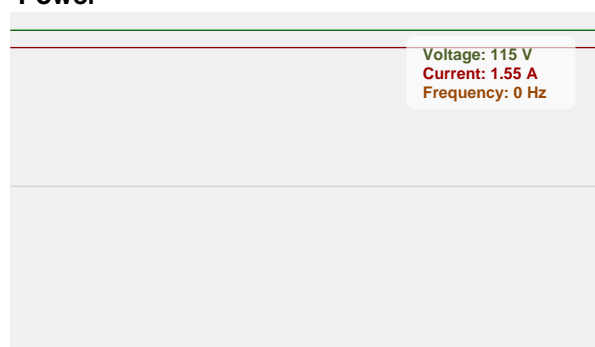


CIE 1931
x: 0.307
y: 0.253

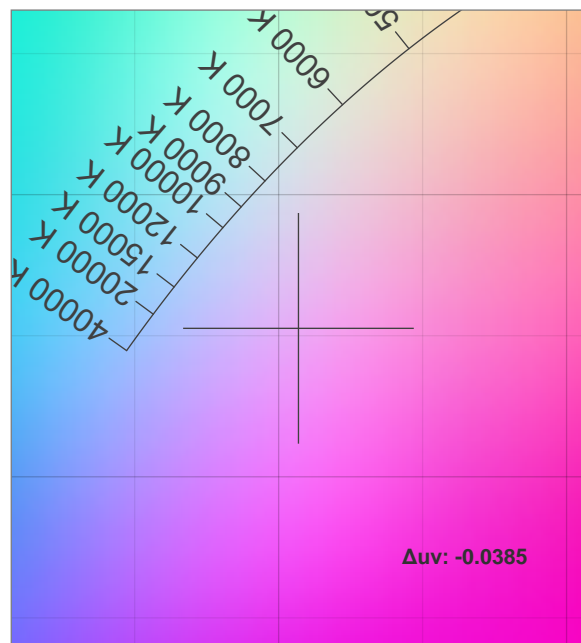
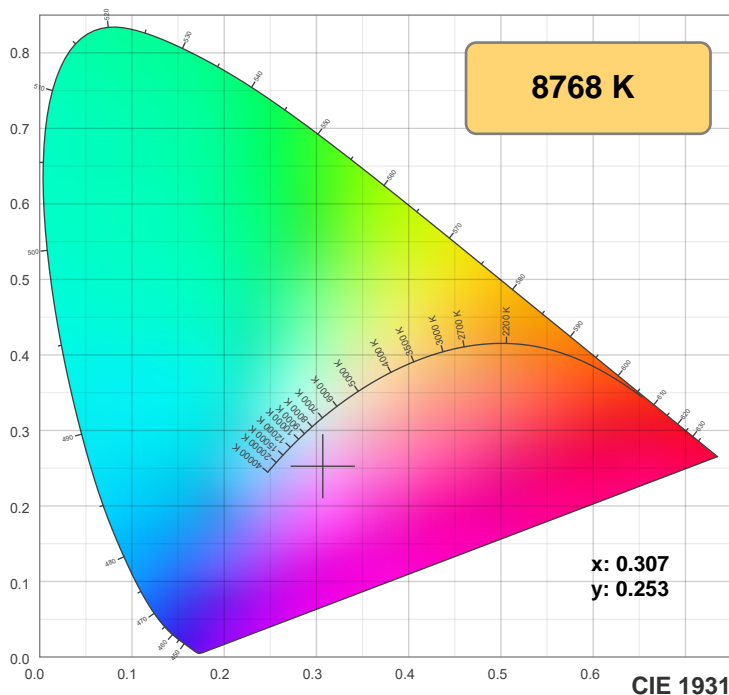
Spectra



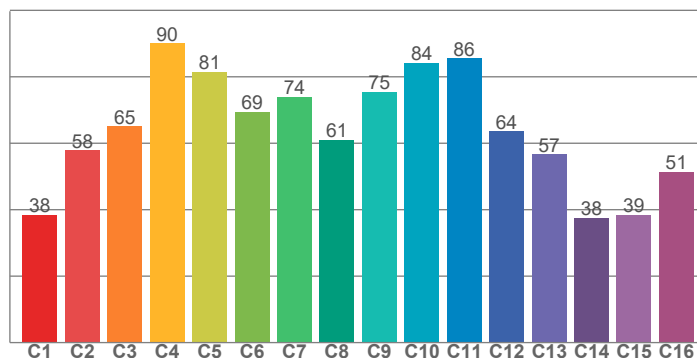
Power



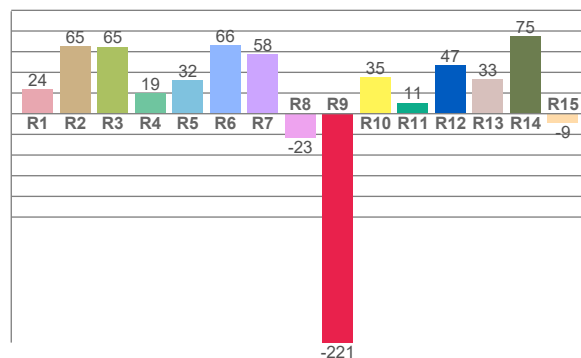
Color details



TM-30: 66.8



CRI: 38.2 (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
23.7	65.3	64.8	19.5	32.0	66.1	57.6	-23.0	-221.5	34.9	10.6	47.2	33.4	75.3	-9.2

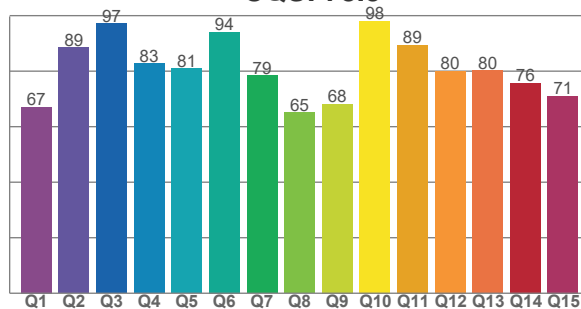
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
38.5	57.8	65.0	90.1	81.4	69.5	74.0	61.1	75.5	84.2	85.6	63.5	56.7	37.6	38.5	51.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
67.1	88.5	97.1	82.7	81.0	94.1	78.5	65.2	68.1	98.0	89.4	80.1	80.3	75.7	71.1

CQS: 78.5



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
8768 K	38.2	-221.5	66.8	127.7	78.5	0.307	0.253	0.227	0.280	-0.0385

TM-30 details

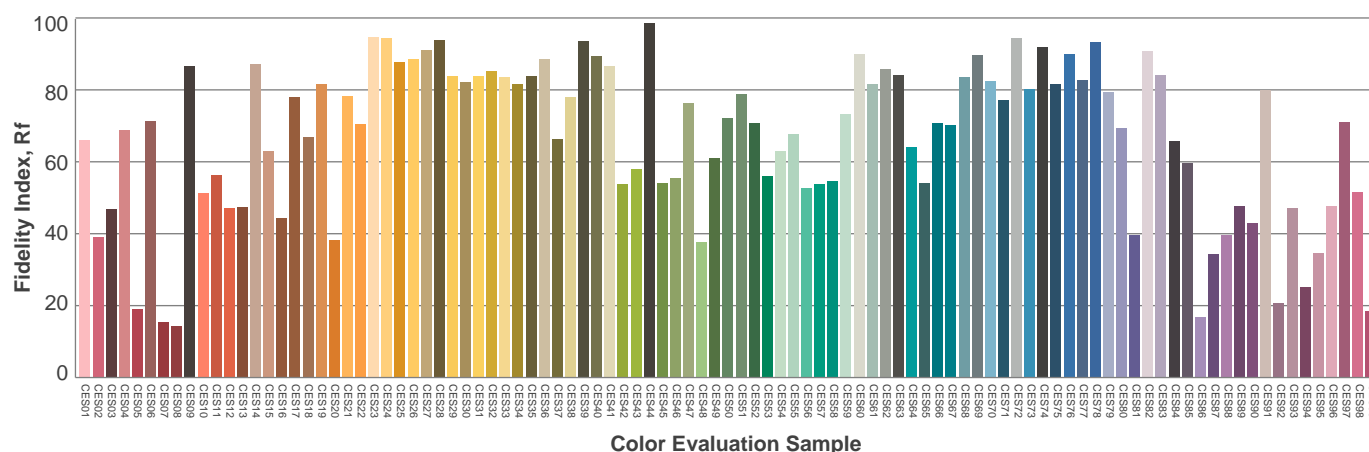
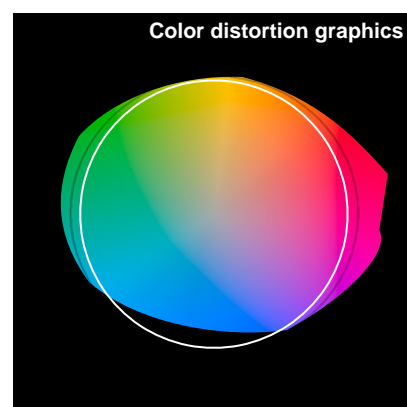
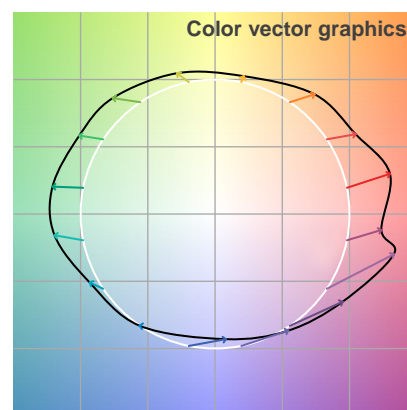
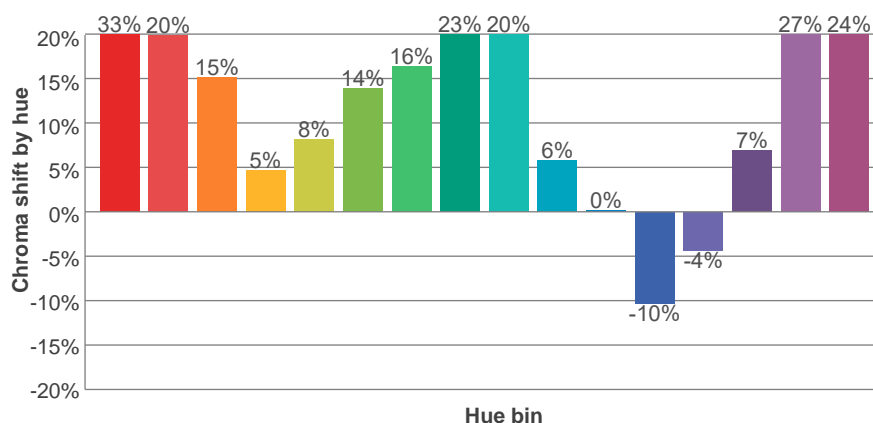
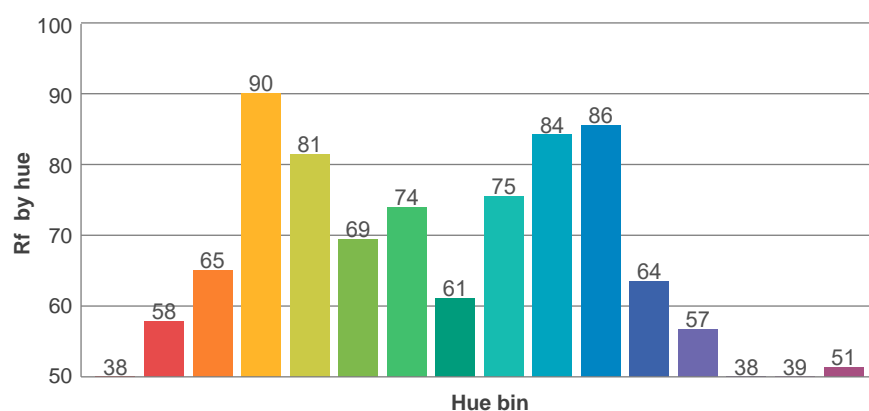
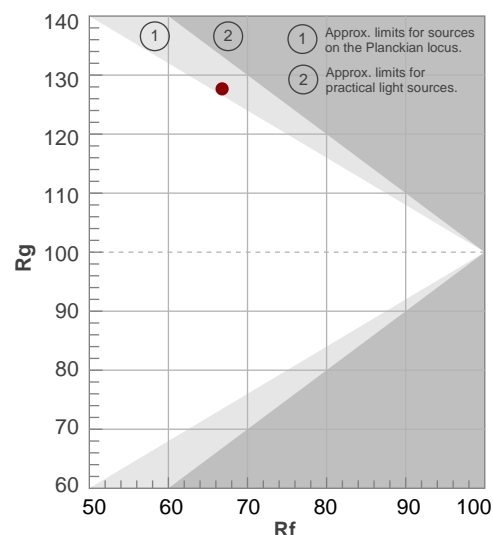
Rf 66.8

Fidelity index Rf

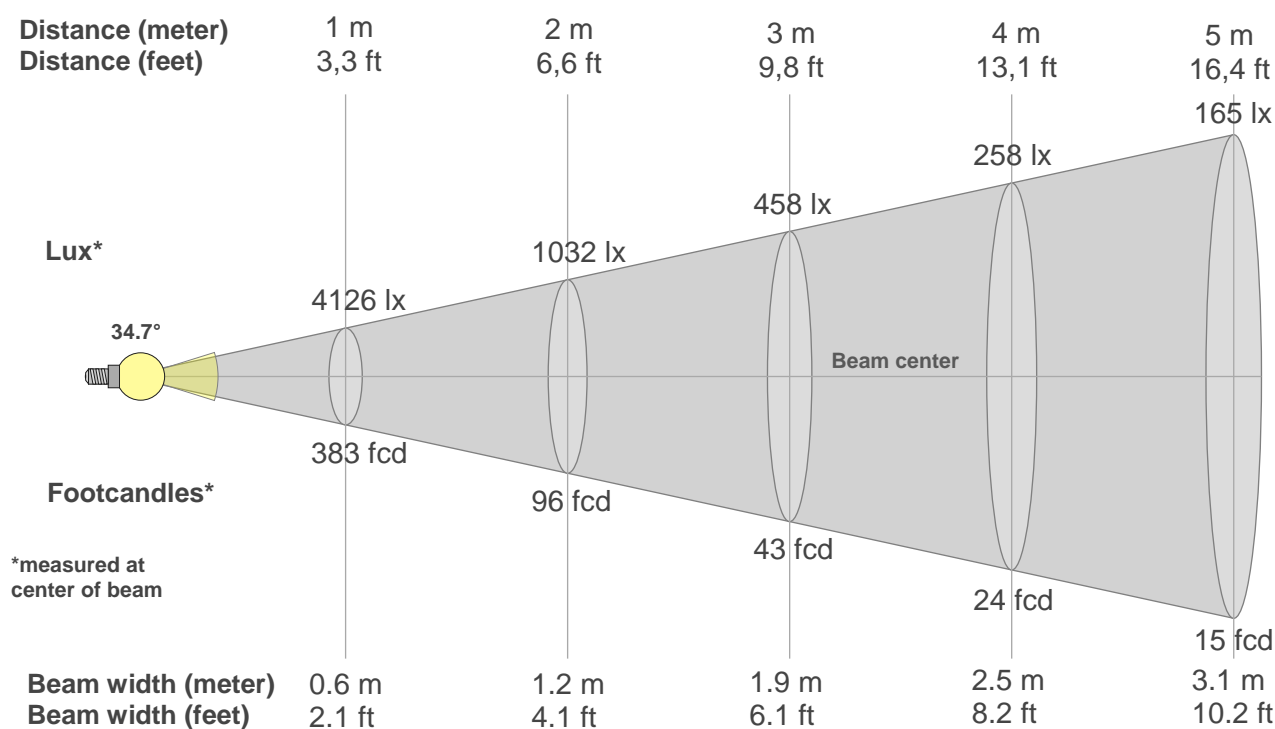
Rg 127.7

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	38	33%	4%
2	58	20%	-9%
3	65	15%	-12%
4	90	5%	-1%
5	81	8%	7%
6	69	14%	15%
7	74	16%	8%
8	61	23%	4%
9	75	20%	-8%
10	84	6%	-9%
11	86	0%	0%
12	64	-10%	26%
13	57	-4%	36%
14	38	7%	43%
15	39	27%	49%
16	51	24%	12%



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
4126lx	1032lx	458lx	258lx	165lx	115lx	84lx	64lx	51lx	41lx	34lx	29lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
383.4fcd	95.8fcd	42.6fcd	24fcd	15.3fcd	10.6fcd	7.8fcd	6fcd	4.7fcd	3.8fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4126	3812	1897	449	431	428	425	429	433	436	419	424	422	422	434	423	420	432	438	436
100%	92%	46%	11%	10%	10%	10%	10%	10%	11%	10%	10%	10%	10%	11%	10%	10%	10%	11%	11%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4126	3812	1897	449	431	428	425	429	433	436	419	424	422	422	434	423	420	432	438	436
100%	92%	46%	11%	10%	10%	10%	10%	10%	11%	10%	10%	10%	10%	11%	10%	10%	10%	11%	11%

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4126	3812	1897	449	431	428	425	429	433	436	419	424	422	422	434	423	420	432	438	436
100%	92%	46%	11%	10%	10%	10%	10%	10%	11%	10%	10%	10%	10%	11%	10%	10%	10%	11%	11%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4126	3812	1897	449	431	428	425	429	433	436	419	424	422	422	434	423	420	432	438	436
100%	92%	46%	11%	10%	10%	10%	10%	10%	11%	10%	10%	10%	10%	11%	10%	10%	10%	11%	11%

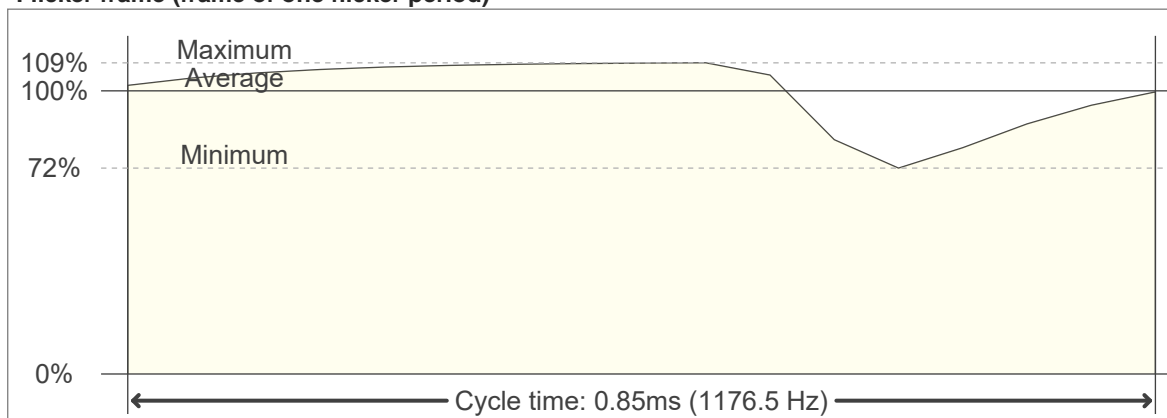
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.7°	360°	360°	37.3%	28.5%

Flicker

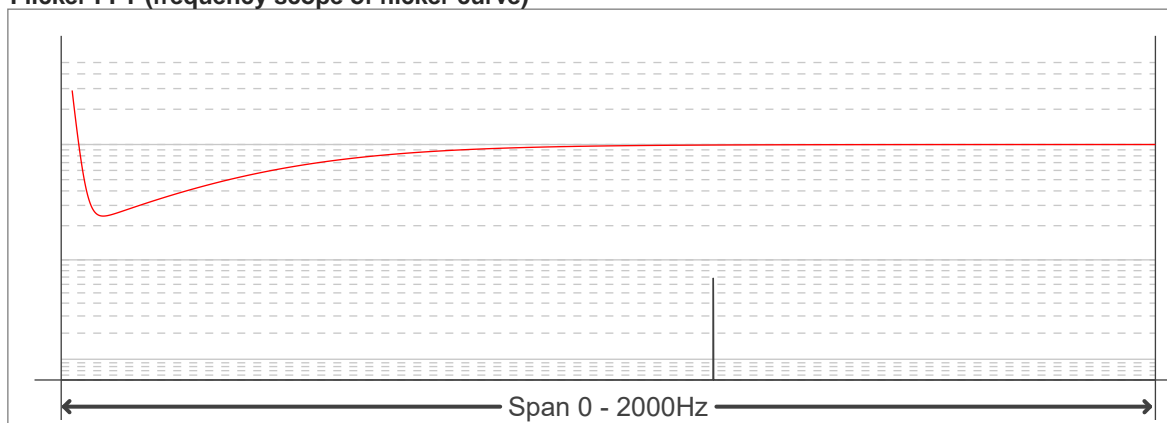
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.05	JA8/10 40Hz	0.48 %
Flicker percentage:	62.8 %	JA8/10 90Hz	1.08 %
SVM: (Visual flicker)	0.14	JA8/10 200Hz	2.39 %
PstLM	0	JA8/10 400Hz	4.74 %
Mp	0.1	JA8/10 1000Hz	10.52 %

Flicker conditions:

Sample rate:	20000 samples/second
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