

Light efficiency:



Light quality:



Color temperature:



Output: 1869 lm

Peak: 7950 cd

Power: 89.0 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

Item number:

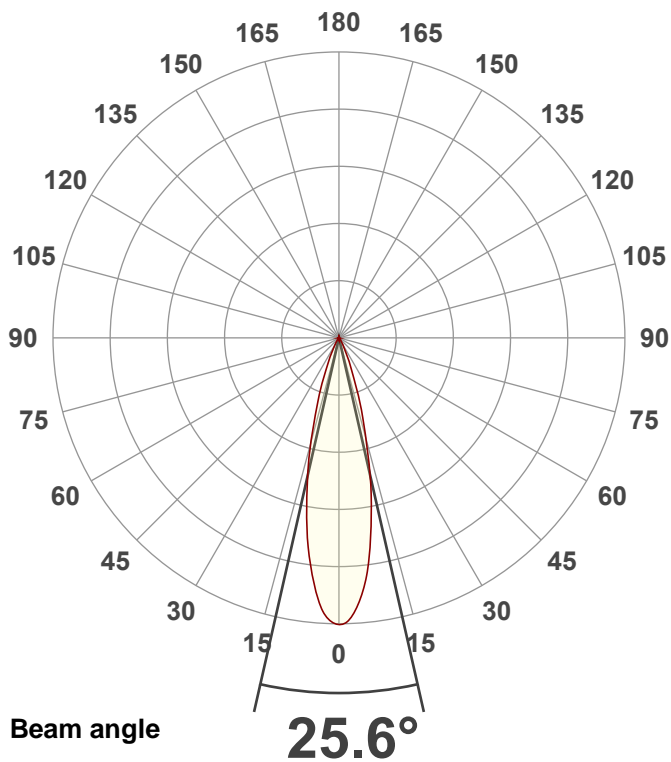
5600K

Date and time:

8/29/2024 10:09:23 AM

Description:

@ 107

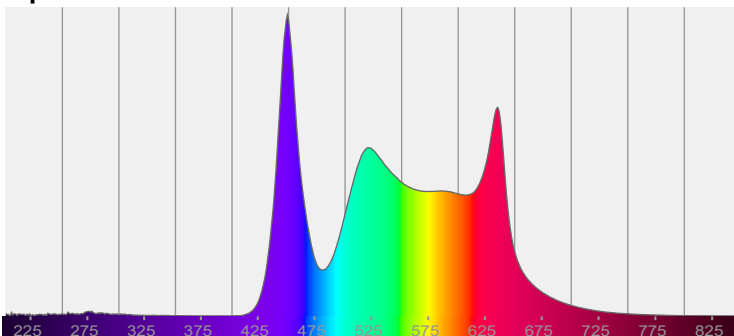


CIE 1931

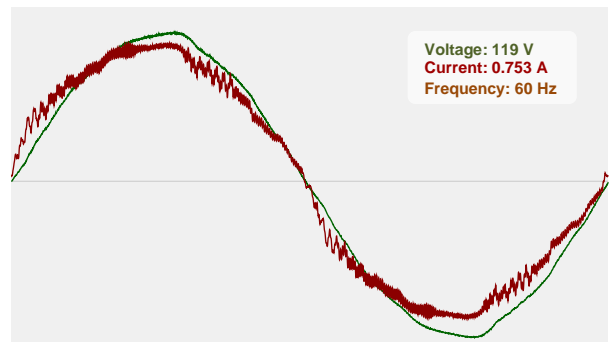
x: 0.331

y: 0.340

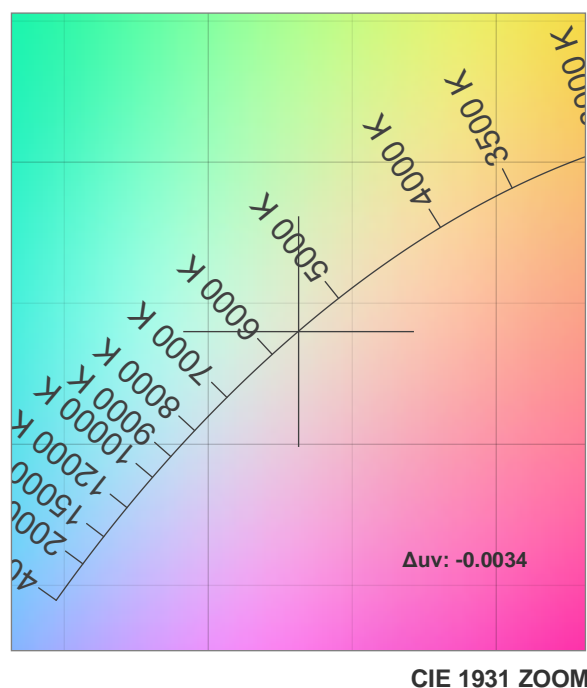
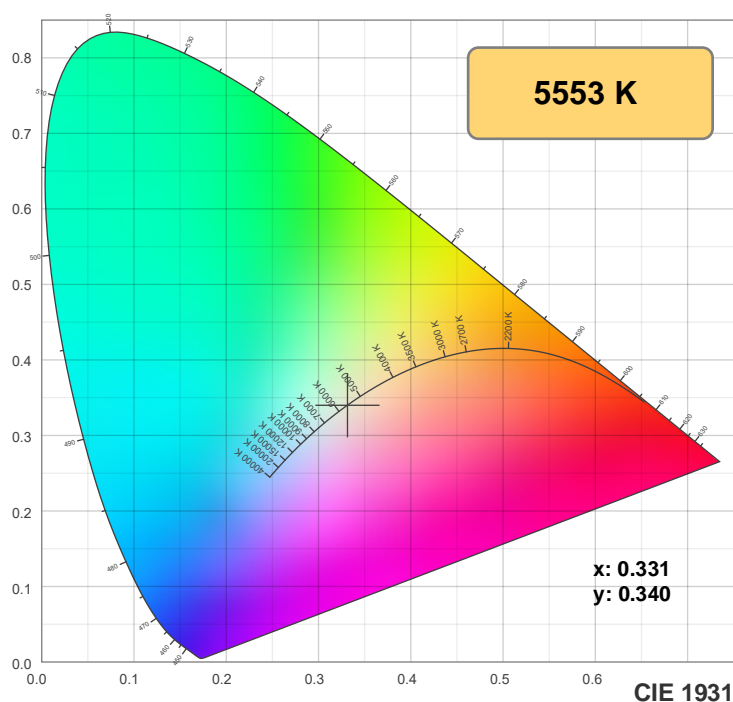
Spectra



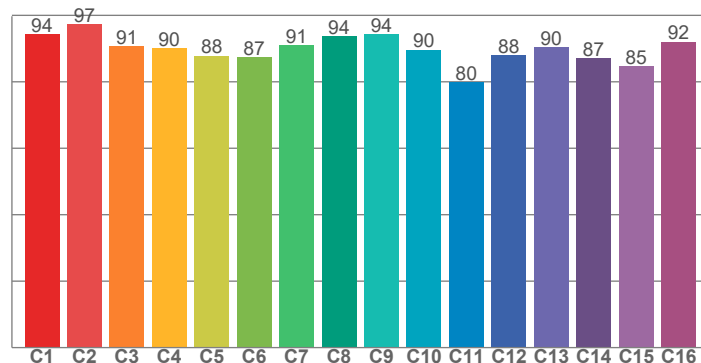
Power



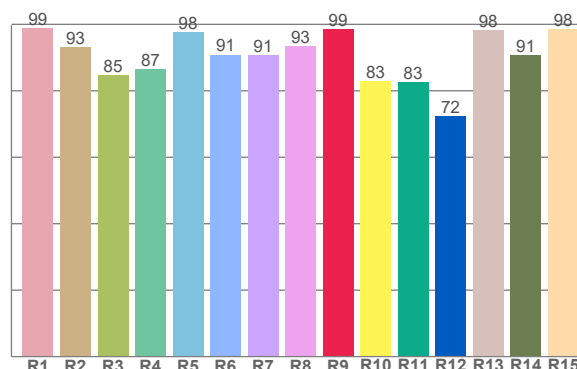
Color details



TM-30: 89.7



CRI: 92.0 (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
98.9	93.1	84.7	86.5	97.7	90.9	90.7	93.3	98.5	83.0	82.5	72.4	98.4	90.8	98.5

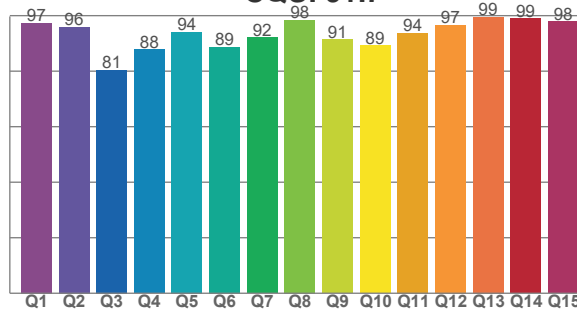
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.3	97.3	90.7	90.0	87.8	87.4	91.0	93.7	94.3	89.6	79.9	87.9	90.4	87.1	84.6	92.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.3	95.9	80.5	87.8	94.2	88.7	92.2	98.4	91.4	89.2	93.7	96.6	99.4	99.0	97.9

CQS: 91.7



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
5553 K	92.0	98.5	89.7	105.9	91.7	0.331	0.340	0.207	0.318	-0.0034

TM-30 details

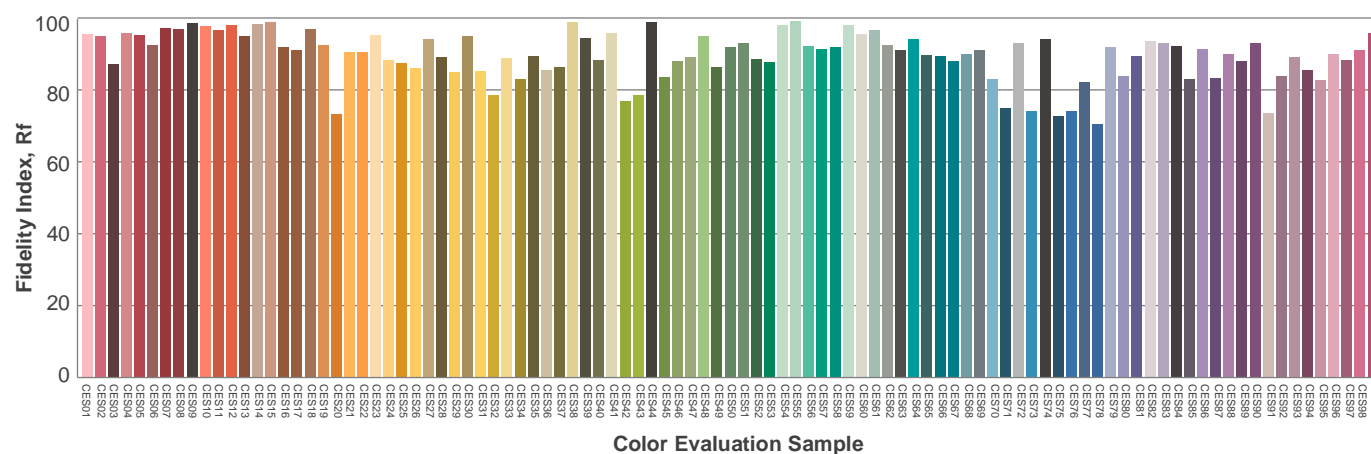
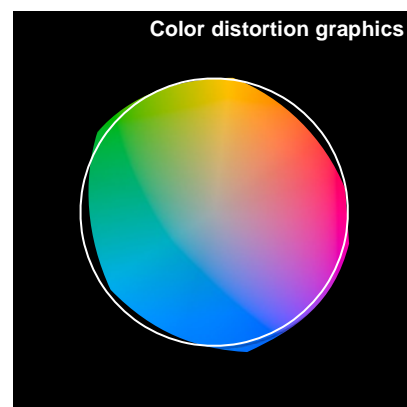
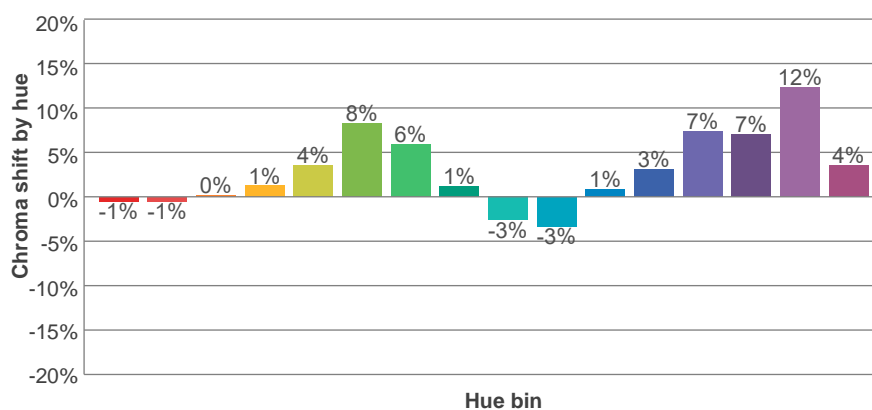
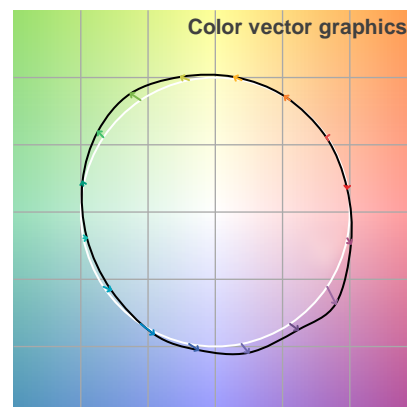
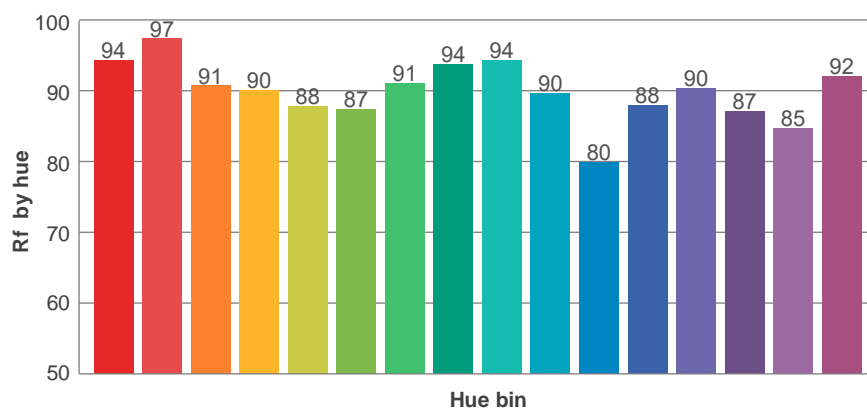
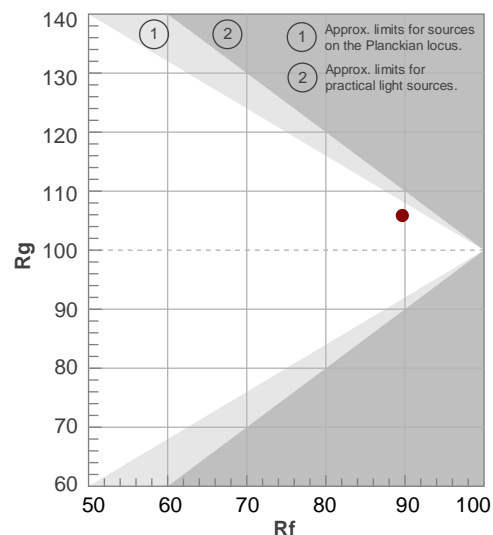
Rf 89.7

Fidelity index Rf

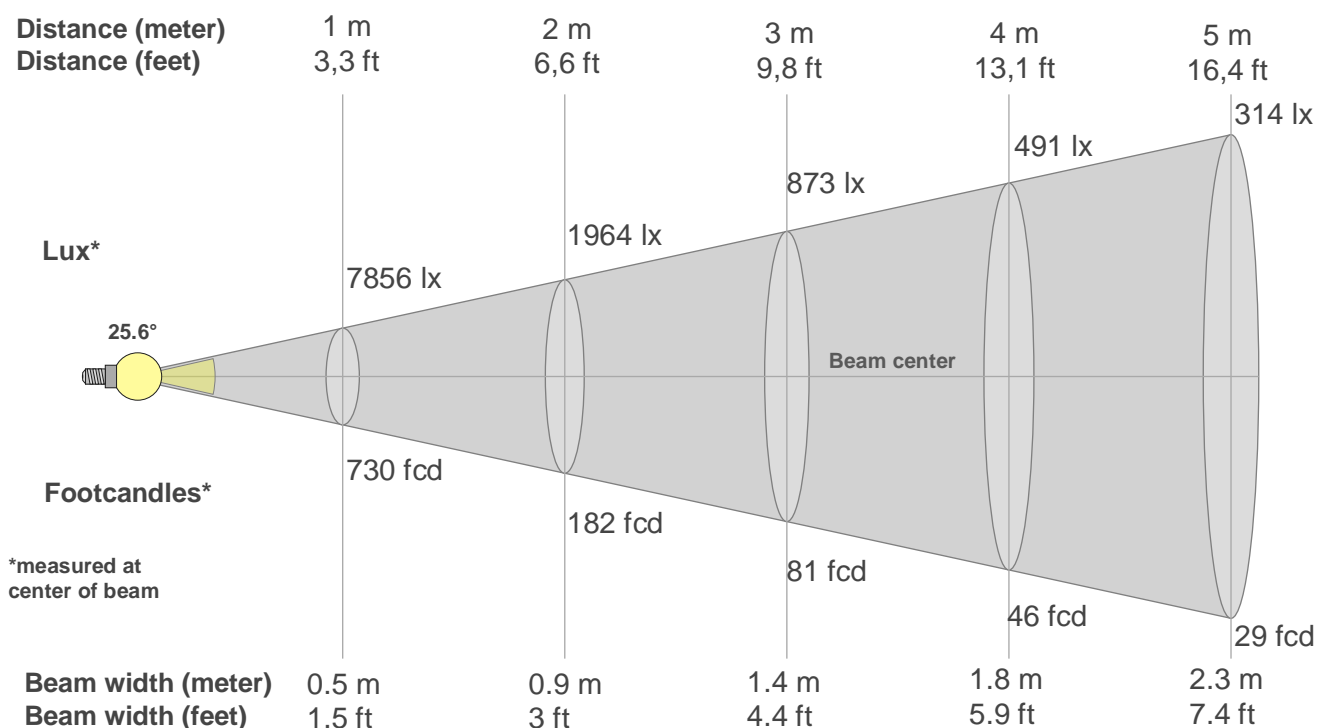
Rg 105.9

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	97	-1%	1%
3	91	0%	5%
4	90	1%	6%
5	88	4%	5%
6	87	8%	3%
7	91	6%	-1%
8	94	1%	-3%
9	94	-3%	0%
10	90	-3%	5%
11	80	1%	13%
12	88	3%	8%
13	90	7%	4%
14	87	7%	2%
15	85	12%	-7%
16	92	4%	-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
7856lx	1964lx	873lx	491lx	314lx	218lx	160lx	123lx	97lx	79lx	65lx	55lx	46lx	40lx	35lx	31lx	27lx	24lx	22lx	20lx
729.9fcd	182.5fcd	81.1fcd	45.6fcd	29.2fcd	20.3fcd	14.9fcd	11.4fcd	9fcd	7.3fcd	6fcd	5.1fcd	4.3fcd	3.7fcd	3.2fcd	2.9fcd	2.5fcd	2.3fcd	2fcd	1.8fcd

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°
7856	7857	7357	6858	6089	5198	4313	3454	2595	1944	1386	889	651	413	287	211	145	121	96	82
100%	100%	94%	87%	78%	66%	55%	44%	33%	25%	18%	11%	8%	5%	4%	3%	2%	2%	1%	1%

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°
7856	7857	7357	6858	6089	5198	4313	3454	2595	1944	1386	889	651	413	287	211	145	121	96	82
100%	100%	94%	87%	78%	66%	55%	44%	33%	25%	18%	11%	8%	5%	4%	3%	2%	2%	1%	1%

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°
7856	7742	7443	6744	6044	5199	4320	3484	2738	1993	1496	1055	695	504	313	226	162	112	92	72
100%	99%	95%	86%	77%	66%	55%	44%	35%	25%	19%	13%	9%	6%	4%	3%	2%	1%	1%	1%

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°
7856	7742	7443	6744	6044	5199	4320	3484	2738	1993	1496	1055	695	504	313	226	162	112	92	72
100%	99%	95%	86%	77%	66%	55%	44%	35%	25%	19%	13%	9%	6%	4%	3%	2%	1%	1%	1%

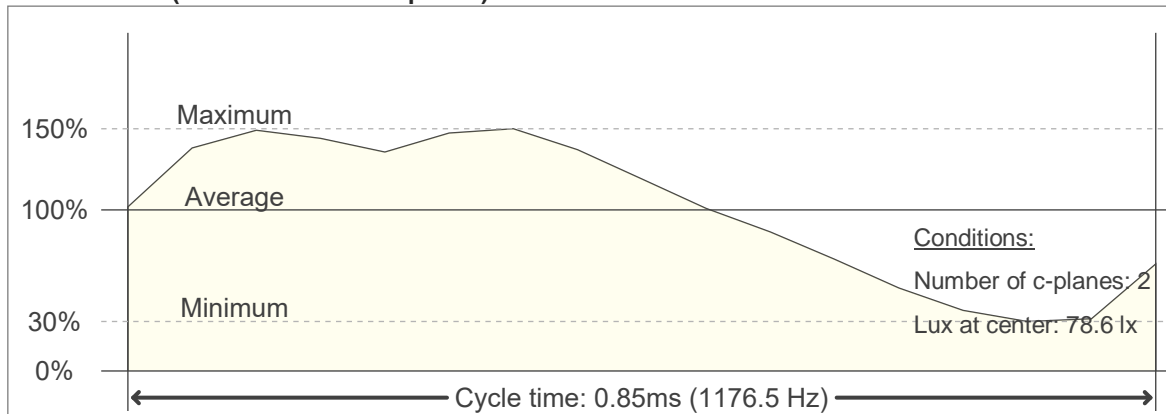
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.6°	46°	61.2°	99.0%	96.6%

Flicker

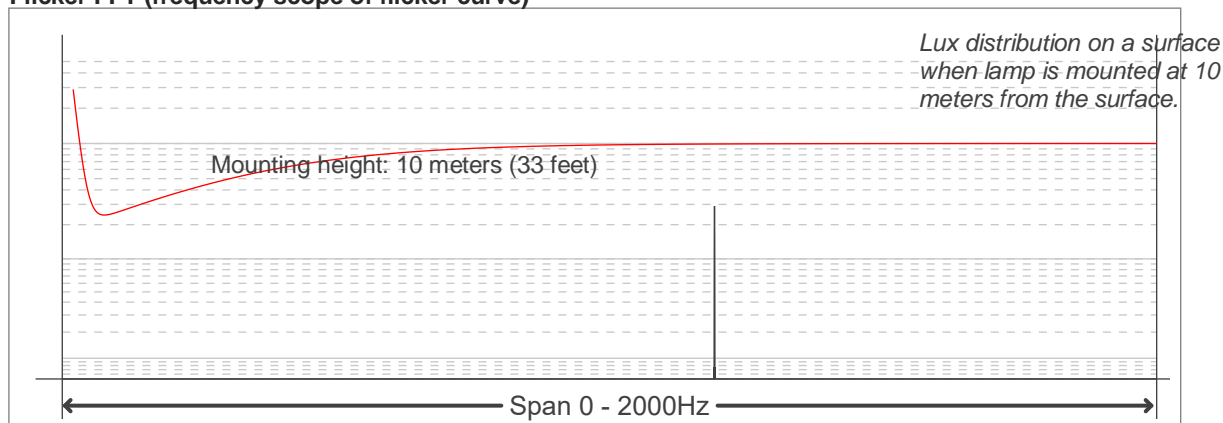
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.19	JA8/10 40Hz	1.12 %
Flicker percentage:	73.16 %	JA8/10 90Hz	2.47 %
SVM: (Visual flicker)	0.59	JA8/10 200Hz	5.39 %
PstLM	0.04	JA8/10 400Hz	10.28 %
Mp	0.21	JA8/10 1000Hz	24.17 %

Flicker conditions:

Sample rate:	20000 samples/second
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