

Light efficiency:



Light quality:



Color temperature:



Output: 1788 lm

Peak: 7597 cd

Power: 92.0 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

Item number:

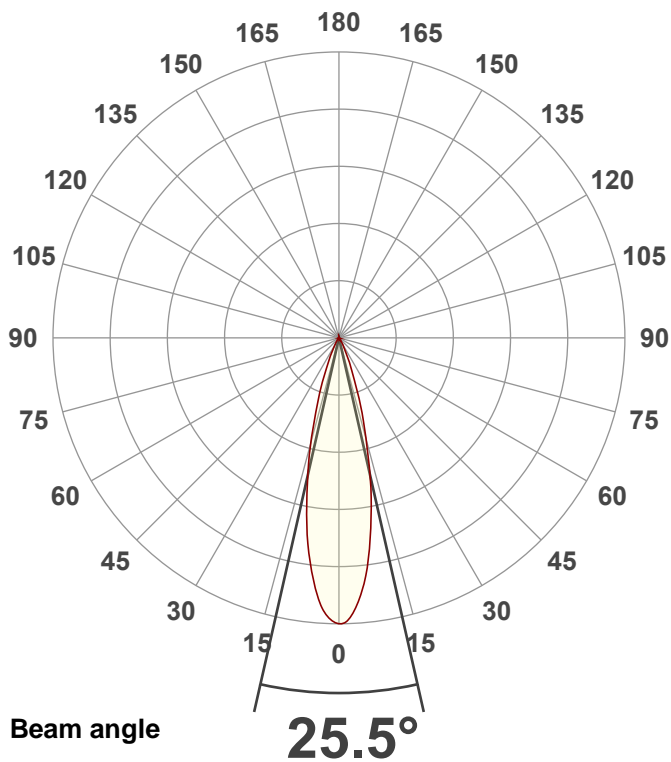
9900K

Date and time:

8/29/2024 11:54:08 AM

Description:

@ 204

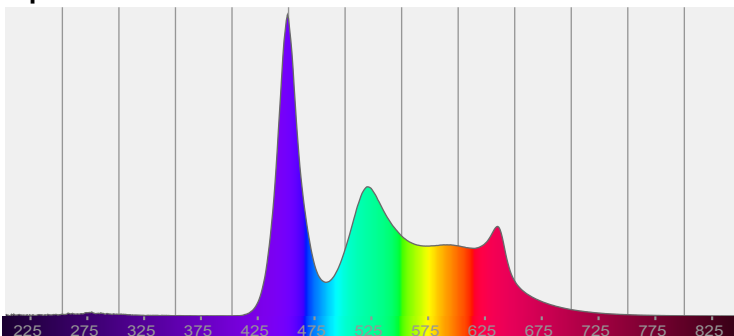


CIE 1931

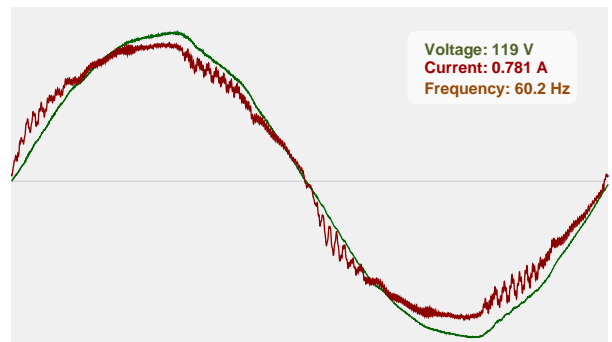
x: 0.282

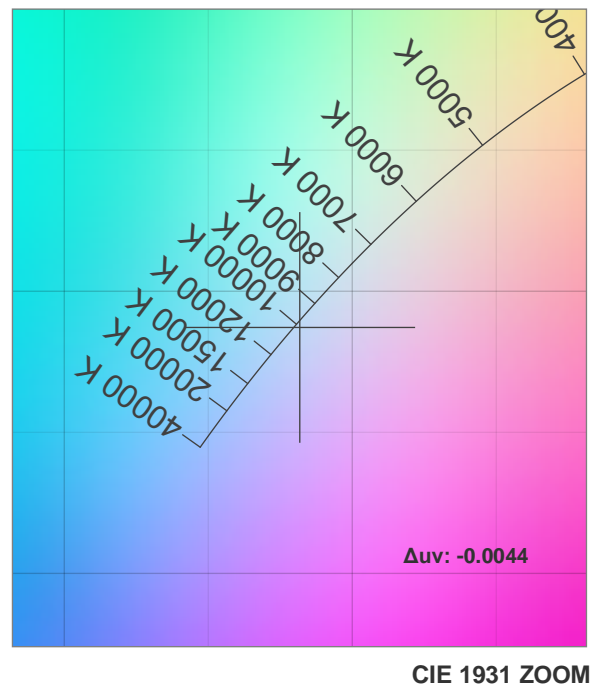
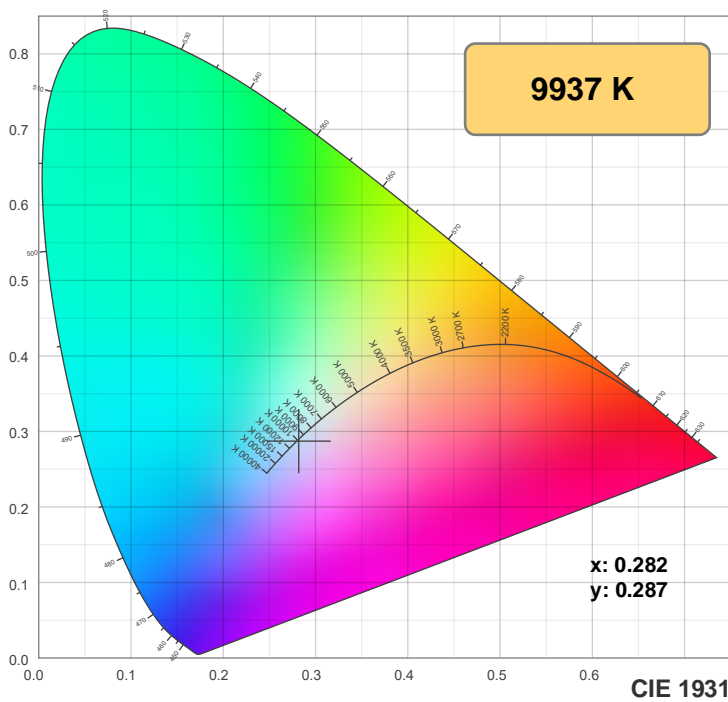
y: 0.287

Spectra

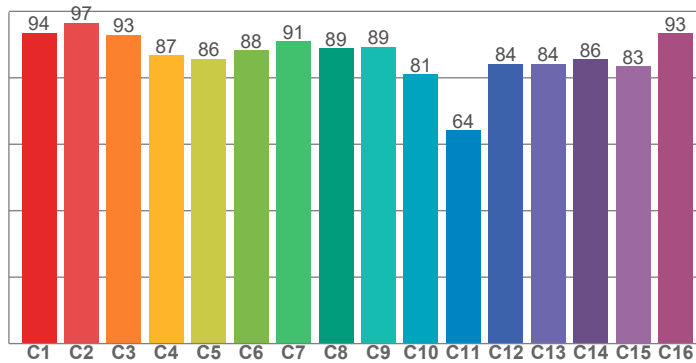


Power

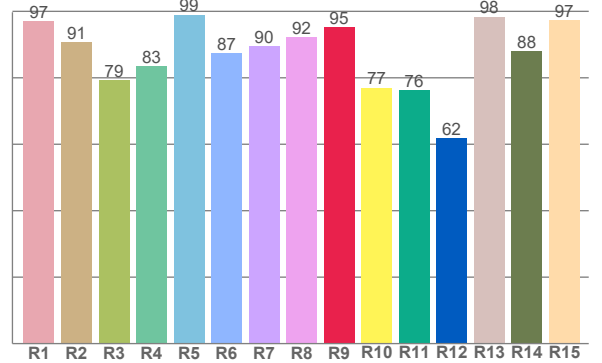




TM-30: 87.0



CRI: 89.8 (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
97.0	90.8	79.3	83.5	99.0	87.3	89.5	92.2	95.2	77.0	76.4	61.8	98.4	88.1	97.4

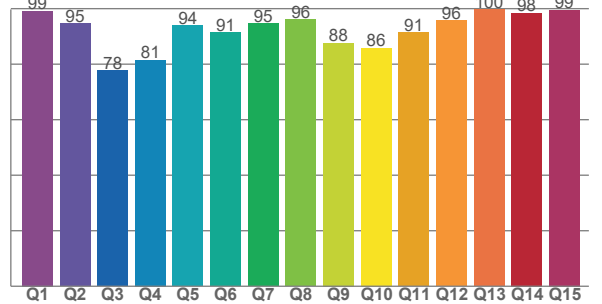
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.5	96.5	92.9	86.8	85.7	88.2	91.0	88.8	89.3	81.1	64.1	84.2	84.3	85.6	83.5	93.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99.1	94.6	77.8	81.5	93.9	91.4	94.6	96.0	87.7	85.8	91.5	95.7	99.6	98.4	99.4

CQS: 90.1



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
9937 K	89.8	95.2	87.0	105.1	90.1	0.282	0.287	0.192	0.293	-0.0044

TM-30 details

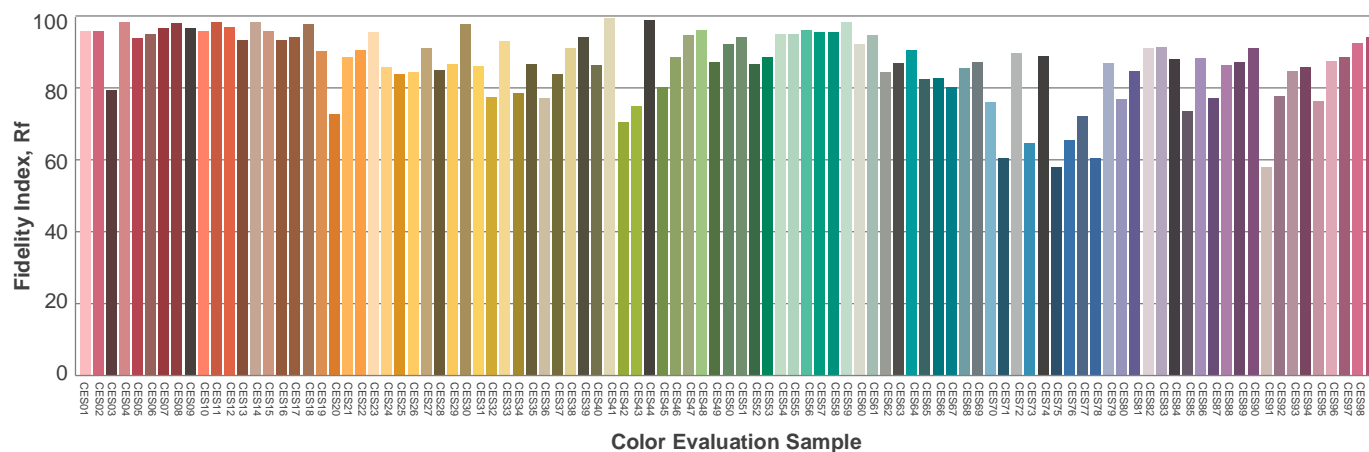
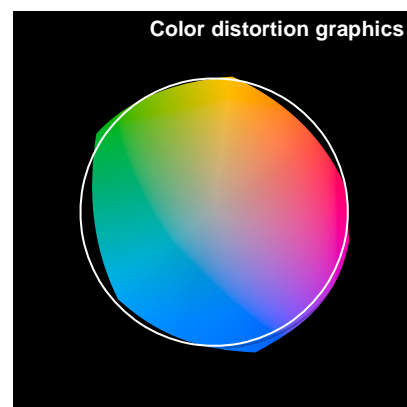
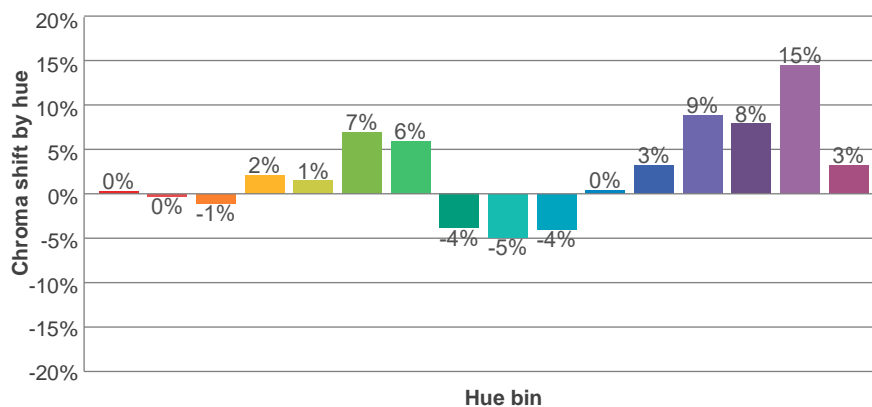
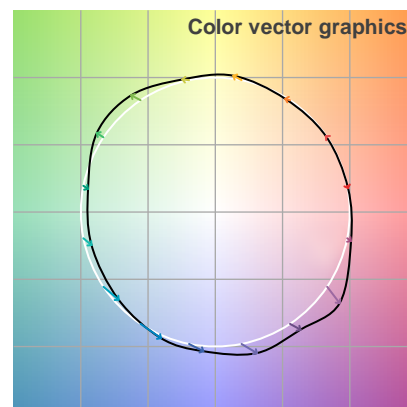
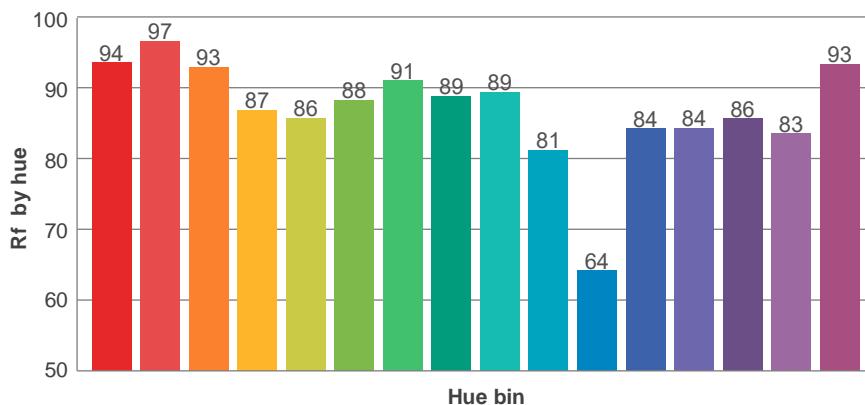
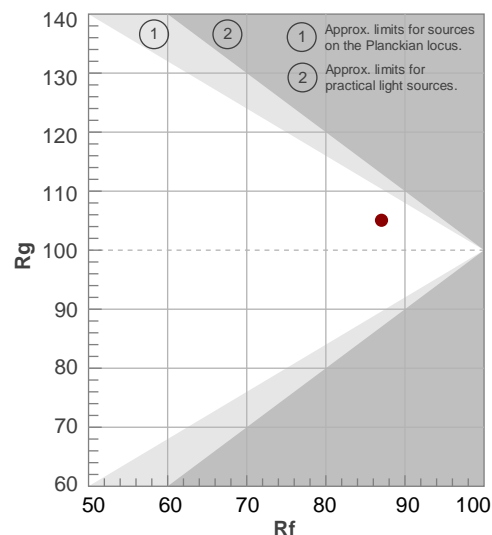
Rf 87.0

Fidelity index Rf

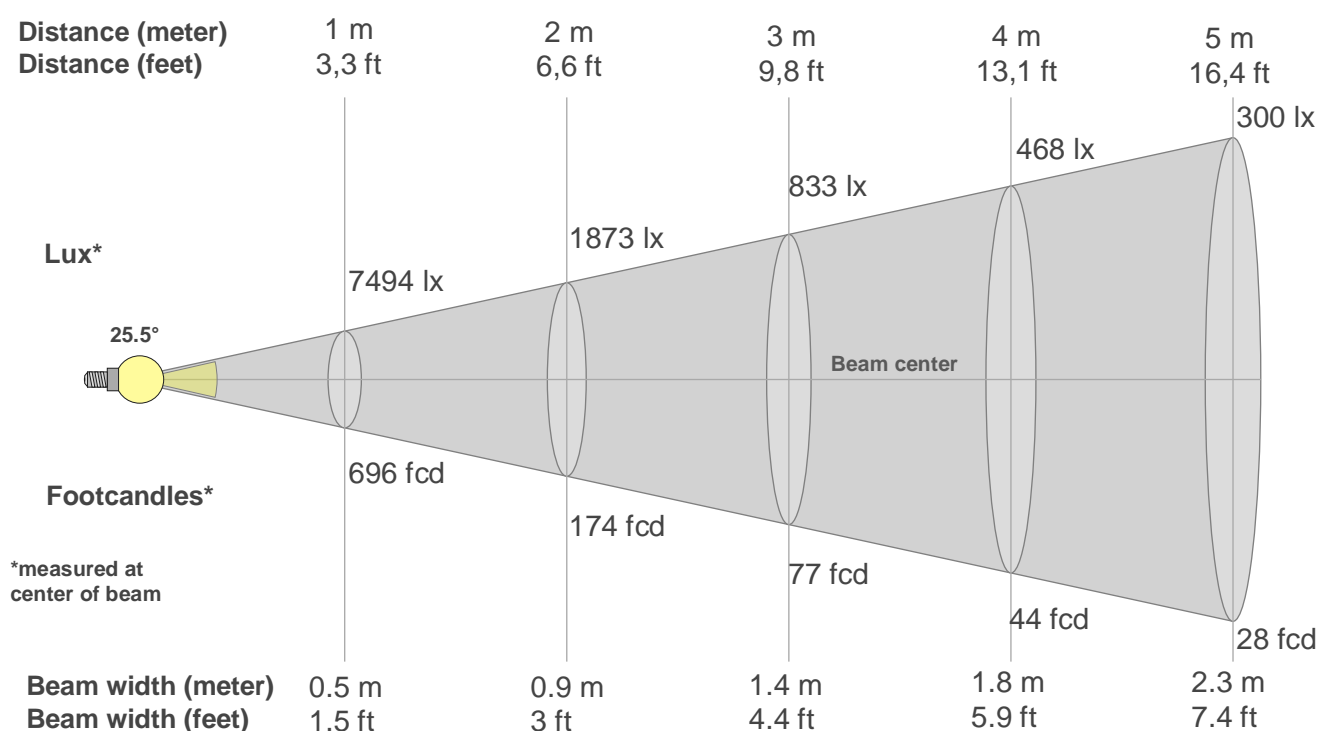
Rg 105.1

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	94	0%	-2%
2	97	0%	1%
3	93	-1%	3%
4	87	2%	7%
5	86	1%	5%
6	88	7%	4%
7	91	6%	0%
8	89	-4%	2%
9	89	-5%	6%
10	81	-4%	14%
11	64	0%	18%
12	84	3%	11%
13	84	9%	10%
14	86	8%	4%
15	83	15%	-5%
16	93	3%	-1%



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
7494lx	1873lx	833lx	468lx	300lx	208lx	153lx	117lx	93lx	75lx	62lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
696.2fcd	174fcd	77.4fcd	43.5fcd	27.8fcd	19.3fcd	14.2fcd	10.9fcd	8.6fcd	7fcd	5.8fcd	4.8fcd	4.1fcd	3.6fcd	3.1fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd

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°
7494	7458	6982	6506	5757	4935	4115	3298	2481	1876	1327	868	626	384	273	197	137	113	89	77
100%	100%	93%	87%	77%	66%	55%	44%	33%	25%	18%	12%	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°
7494	7458	6982	6506	5757	4935	4115	3298	2481	1876	1327	868	626	384	273	197	137	113	89	77
100%	100%	93%	87%	77%	66%	55%	44%	33%	25%	18%	12%	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°
7494	7349	7095	6429	5763	4970	4125	3312	2616	1920	1428	1018	658	484	309	217	159	109	90	72
100%	98%	95%	86%	77%	66%	55%	44%	35%	26%	19%	14%	9%	6%	4%	3%	2%	1%	1%	1%

Intensities in 270° c-plane

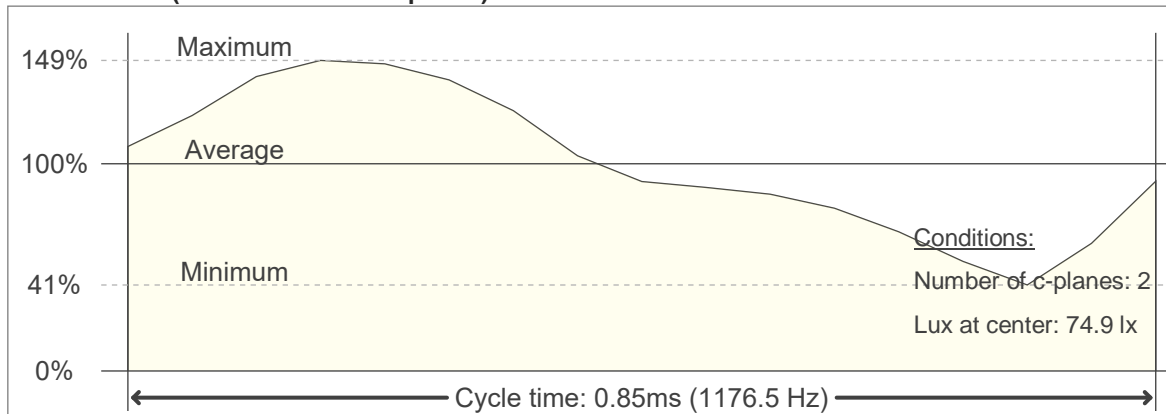
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7494	7349	7095	6429	5763	4970	4125	3312	2616	1920	1428	1018	658	484	309	217	159	109	90	72
100%	98%	95%	86%	77%	66%	55%	44%	35%	26%	19%	14%	9%	6%	4%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.5°	46.2°	61.1°	98.8%	96.3%

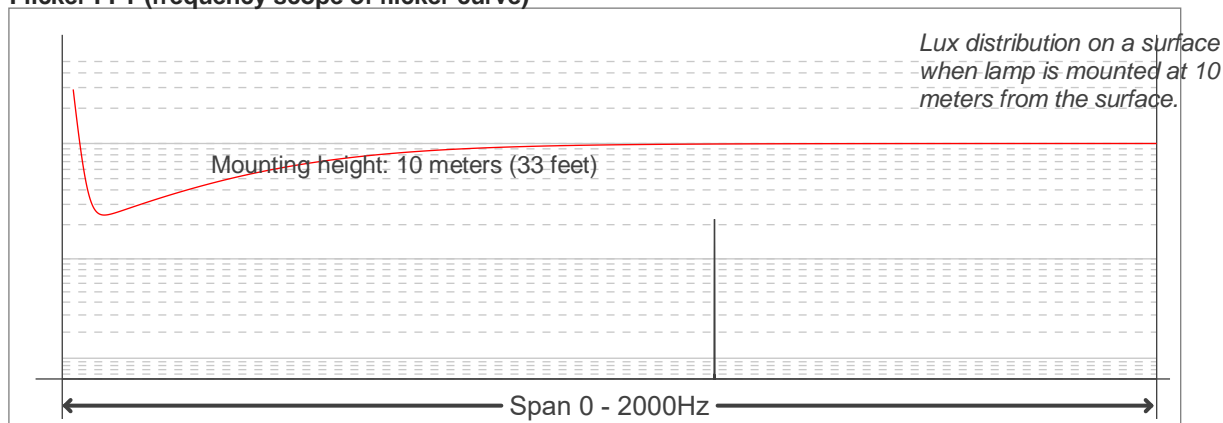
Flicker

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:	0.14	JA8/10 40Hz	0.06 %
Flicker percentage:	57.31 %	JA8/10 90Hz	0.07 %
SVM: (Visual flicker)	0.45	JA8/10 200Hz	0.11 %
PstLM	0.02	JA8/10 400Hz	0.33 %
Mp	0.02	JA8/10 1000Hz	4.99 %

Flicker conditions:

Sample rate:	20000 samples/second
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