

Light efficiency:



Light quality:



Color temperature:



Output: 1612 lm

Peak: 7307 cd

Power: 57.4 W

PF: 0.98



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

Item number:

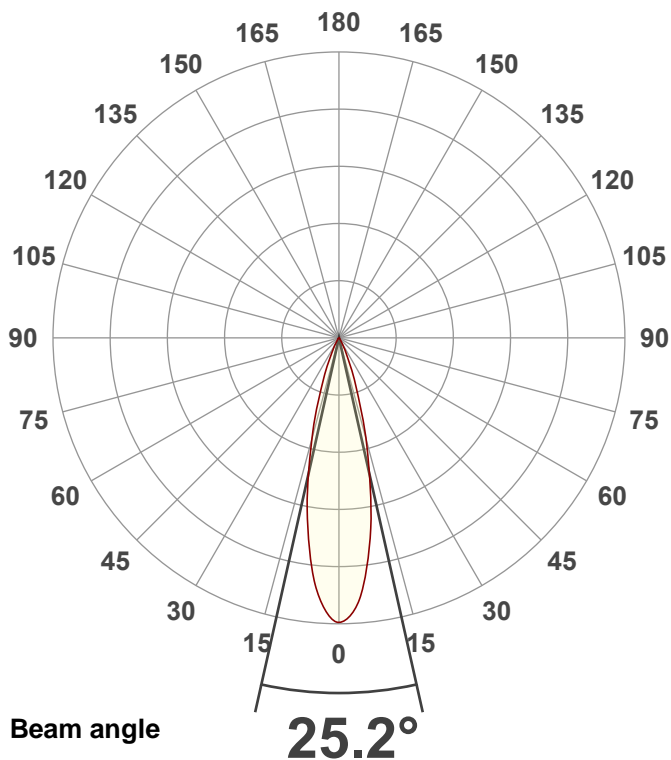
2700K

Date and time:

8/28/2024 4:14:33 PM

Description:

@12

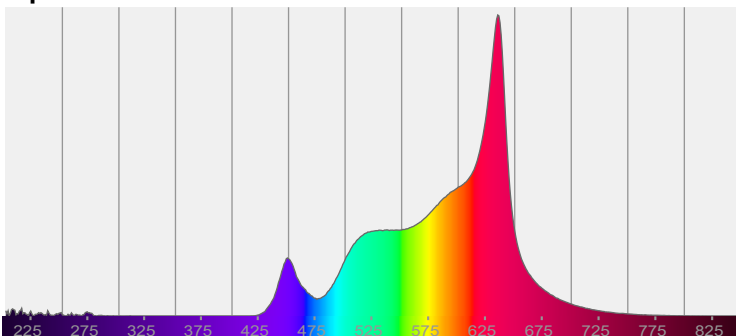


CIE 1931

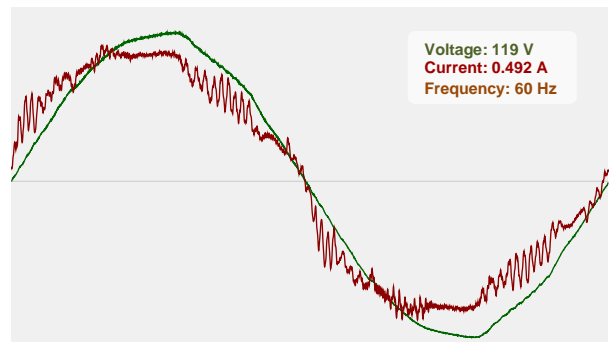
x: 0.465

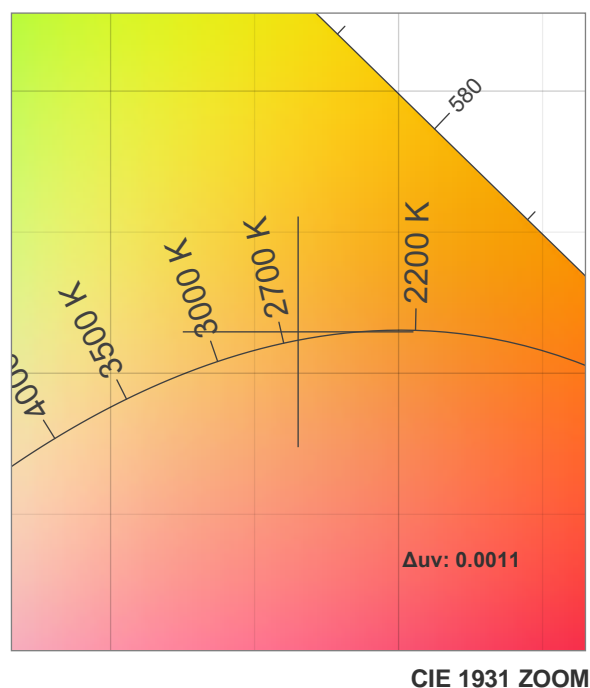
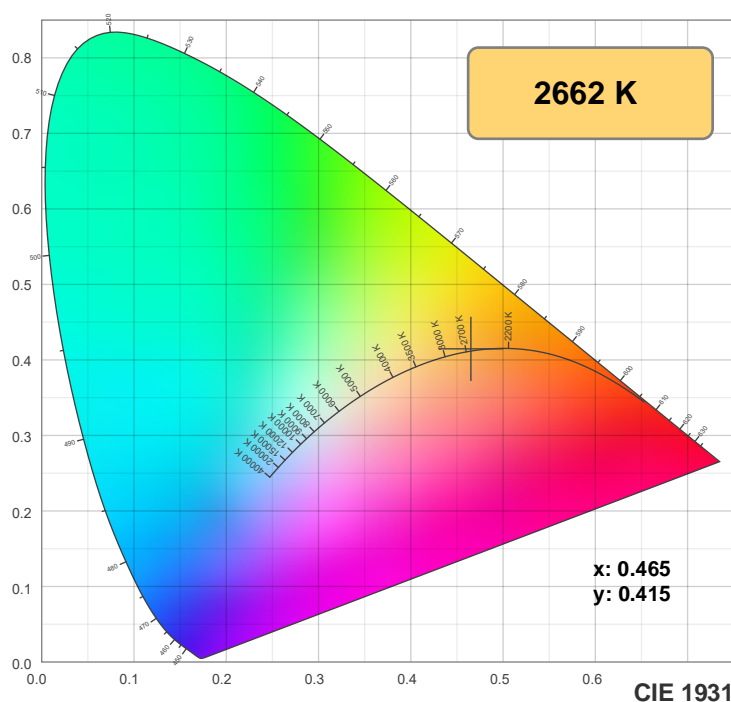
y: 0.415

Spectra

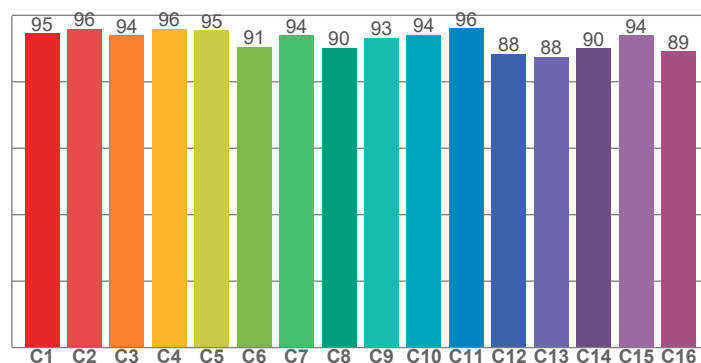


Power

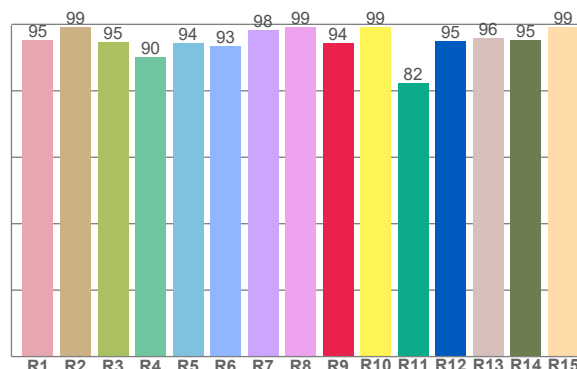




TM-30: 93.3



CRI: 95.5 (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
95.1	99.3	94.5	90.2	94.4	93.5	98.2	99.0	94.2	99.2	82.4	95.0	95.9	95.2	99.3

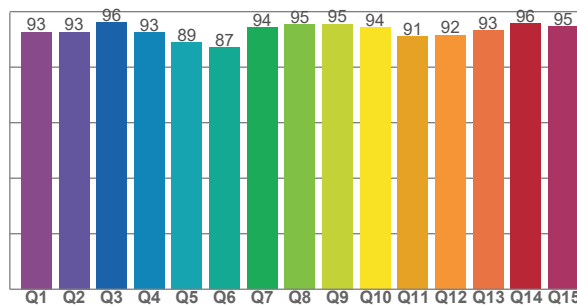
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.7	95.9	93.9	95.9	95.5	90.5	94.0	90.2	93.3	94.2	96.2	88.4	87.5	90.1	94.1	89.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.6	92.7	96.2	92.5	88.8	87.1	94.3	95.4	95.5	94.3	91.0	91.7	93.3	95.7	94.6

CQS: 92.4



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
2662 K	95.5	94.2	93.3	103.1	92.4	0.465	0.415	0.264	0.353	0.0011

TM-30 details

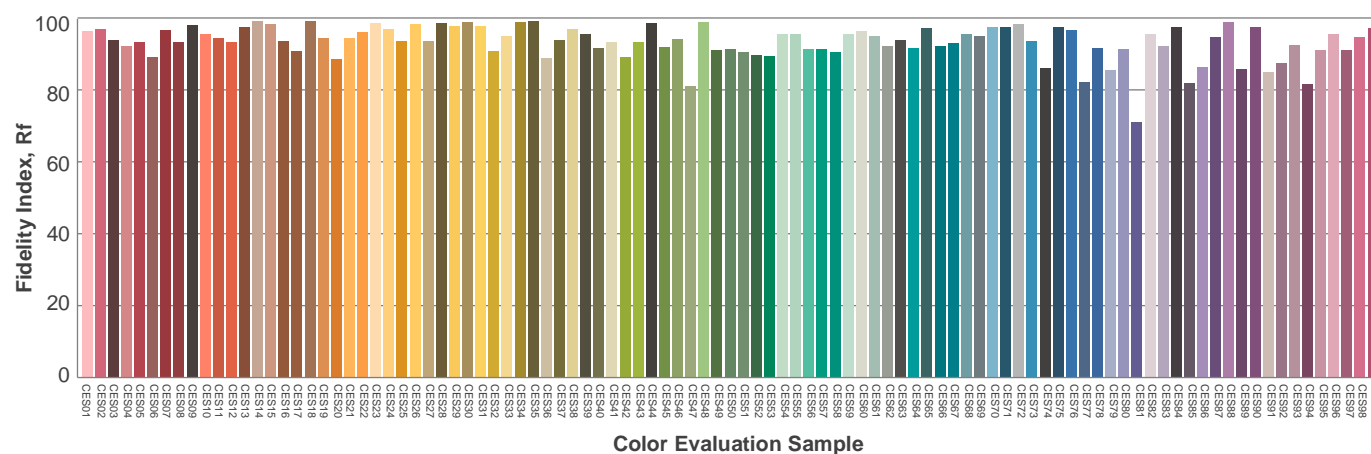
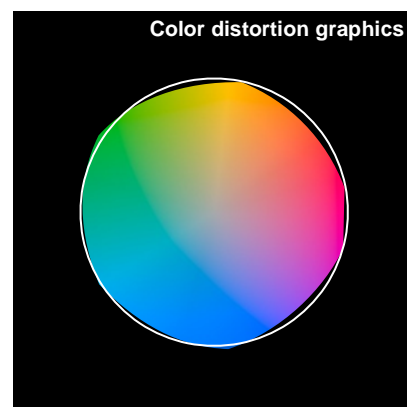
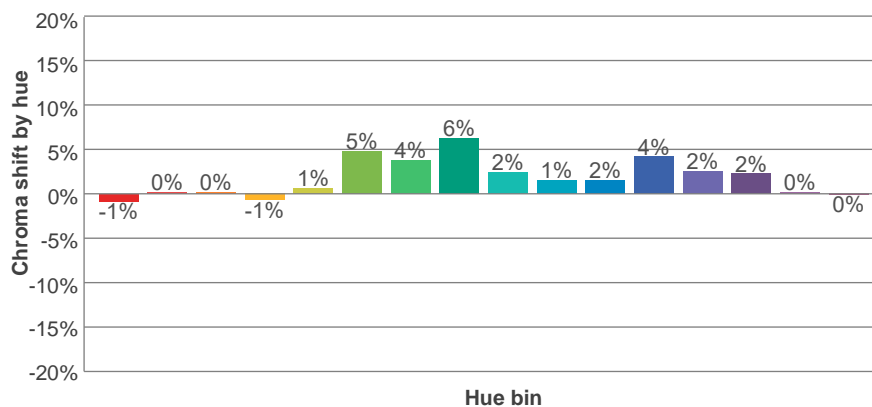
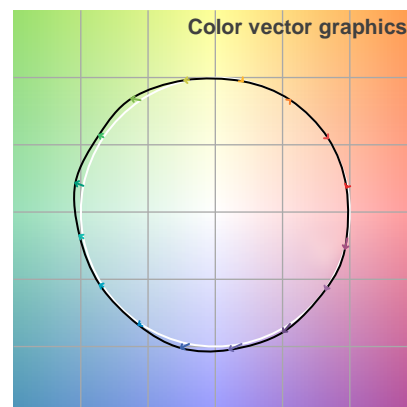
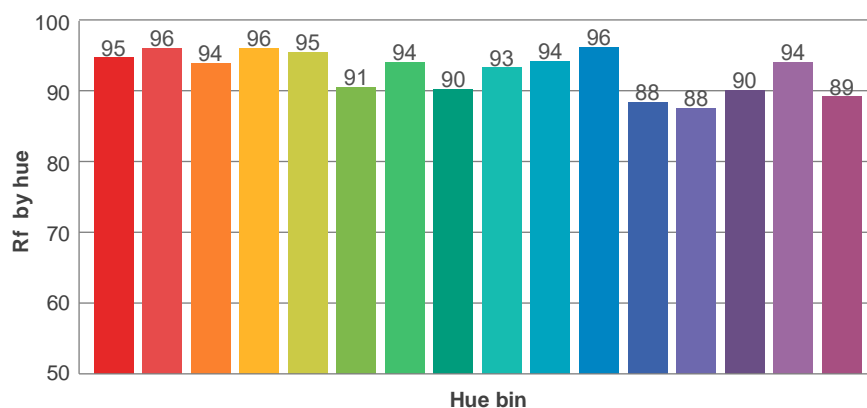
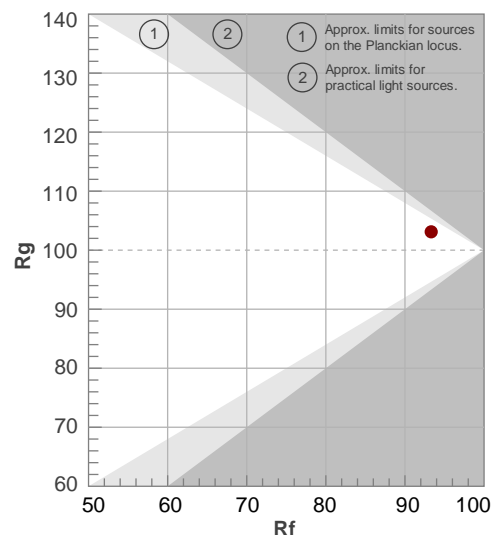
Rf 93.3

Fidelity index Rf

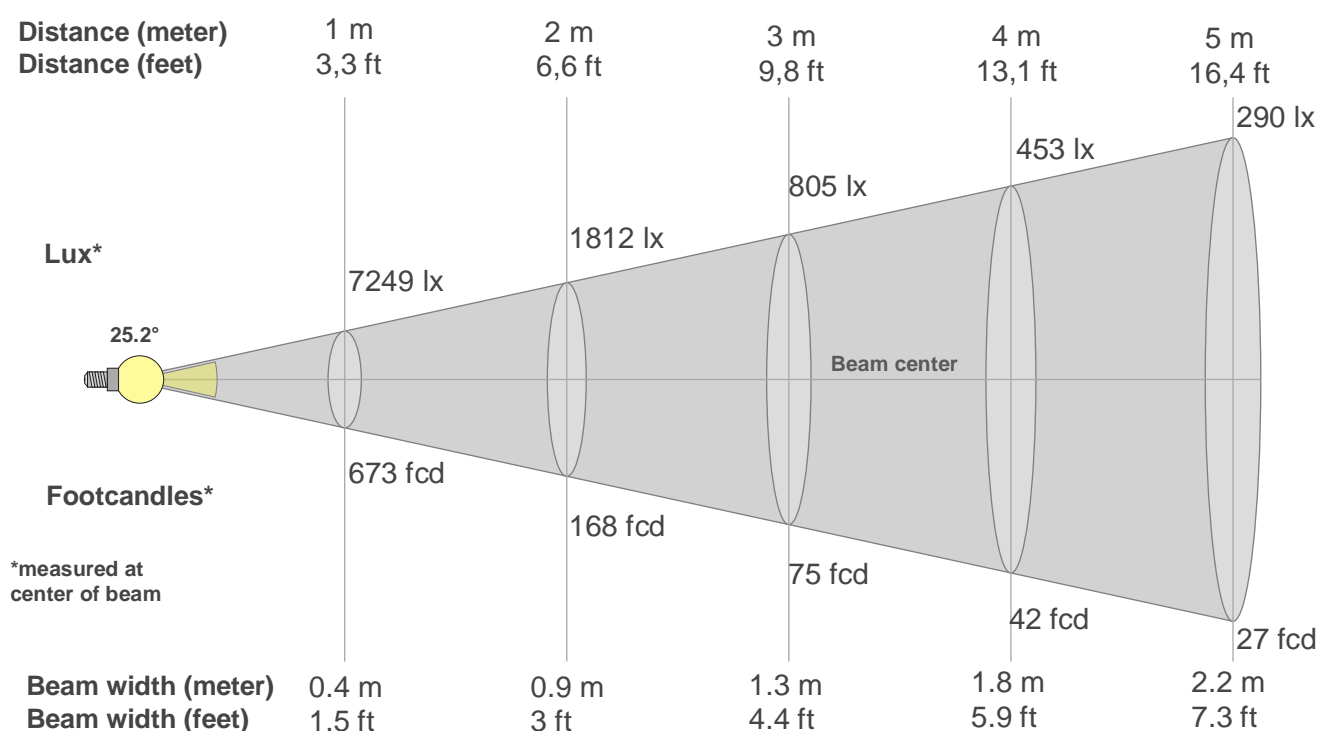
Rg 103.1

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	96	0%	-1%
3	94	0%	0%
4	96	-1%	-1%
5	95	1%	3%
6	91	5%	5%
7	94	4%	0%
8	90	6%	-1%
9	93	2%	-3%
10	94	1%	-3%
11	96	2%	-1%
12	88	4%	-5%
13	88	2%	-10%
14	90	2%	-8%
15	94	0%	-2%
16	89	0%	-8%



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
7249lx	1812lx	805lx	453lx	290lx	201lx	148lx	113lx	89lx	72lx	60lx	50lx	43lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
673.5fcd	168.4fcd	74.8fcd	42.1fcd	26.9fcd	18.7fcd	13.7fcd	10.5fcd	8.3fcd	6.7fcd	5.6fcd	4.7fcd	4fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	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°
7249	7025	6801	6205	5493	4748	3911	3075	2393	1758	1203	879	554	381	256	154	117	80	62	49
100%	97%	94%	86%	76%	65%	54%	42%	33%	24%	17%	12%	8%	5%	4%	2%	2%	1%	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°
7249	7025	6801	6205	5493	4748	3911	3075	2393	1758	1203	879	554	381	256	154	117	80	62	49
100%	97%	94%	86%	76%	65%	54%	42%	33%	24%	17%	12%	8%	5%	4%	2%	2%	1%	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°
7249	7030	6656	6189	5431	4672	3895	3111	2382	1828	1275	918	632	388	280	171	118	84	55	44
100%	97%	92%	85%	75%	64%	54%	43%	33%	25%	18%	13%	9%	5%	4%	2%	2%	1%	1%	1%

Intensities in 270° c-plane

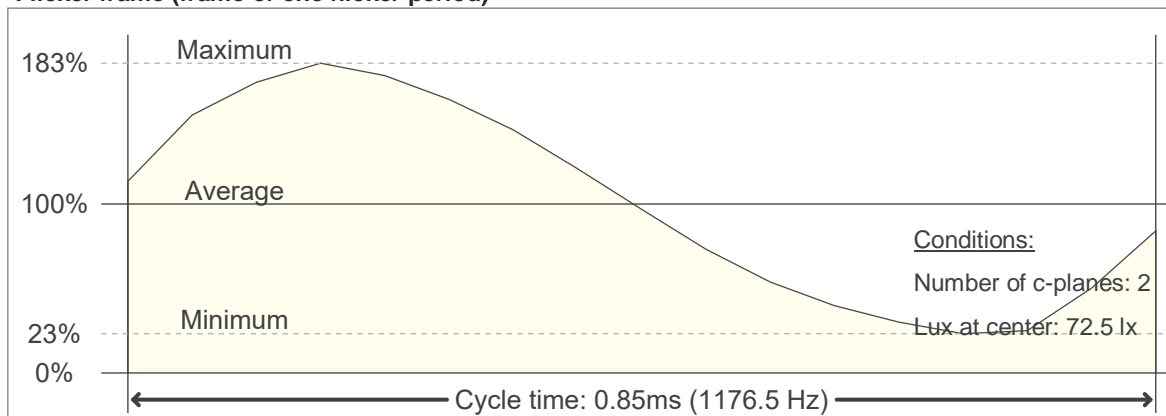
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7249	7030	6656	6189	5431	4672	3895	3111	2382	1828	1275	918	632	388	280	171	118	84	55	44
100%	97%	92%	85%	75%	64%	54%	43%	33%	25%	18%	13%	9%	5%	4%	2%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.2°	46.2°	59°	99.9%	98.9%

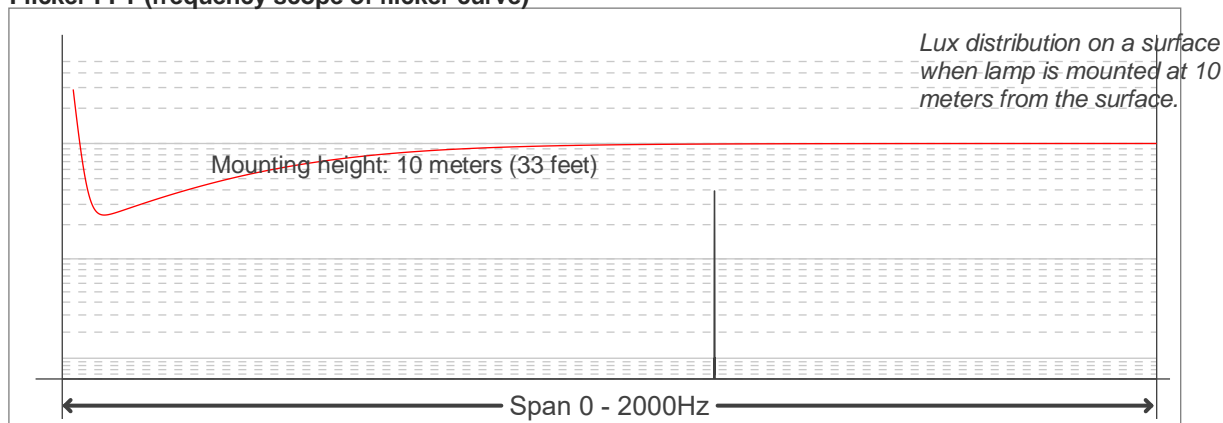
Flicker

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:	0.25	JA8/10 40Hz	0.12 %
Flicker percentage:	92.3 %	JA8/10 90Hz	0.29 %
SVM: (Visual flicker)	0.8	JA8/10 200Hz	0.65 %
PstLM	0.02	JA8/10 400Hz	1.56 %
Mp	0.03	JA8/10 1000Hz	10.17 %

Flicker conditions:

Sample rate:	20000 samples/second
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