

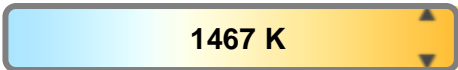
Light efficiency:



Light quality:



Color temperature:



Output: 1330 lm

Peak: 5865 cd

Power: 67.2 W

PF: 0.98



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

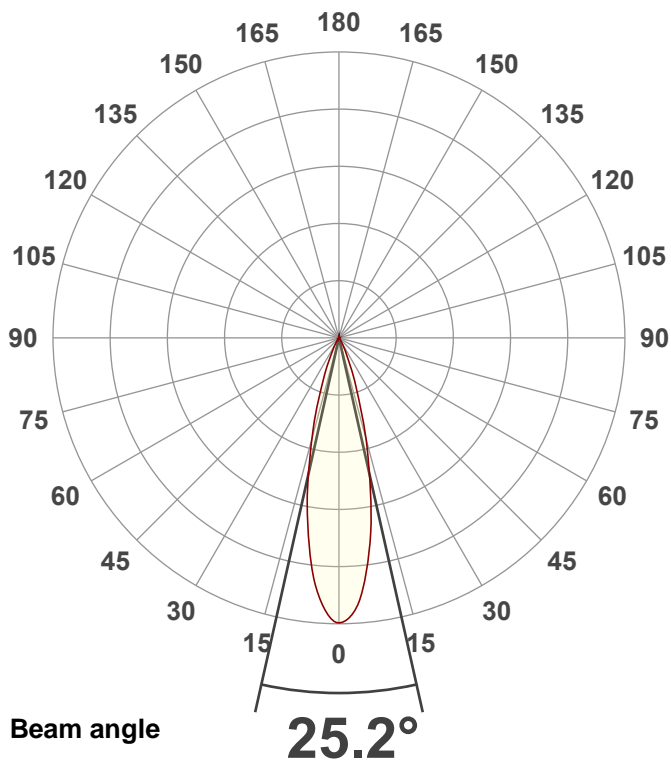
Item number:

Amber

Date and time:

8/28/2024 12:47:56 PM

Description:

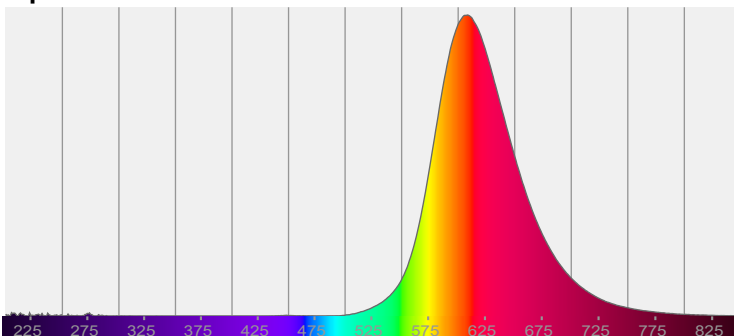


CIE 1931

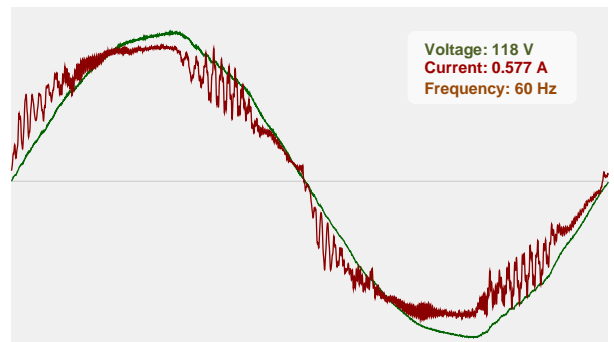
x: 0.598

y: 0.400

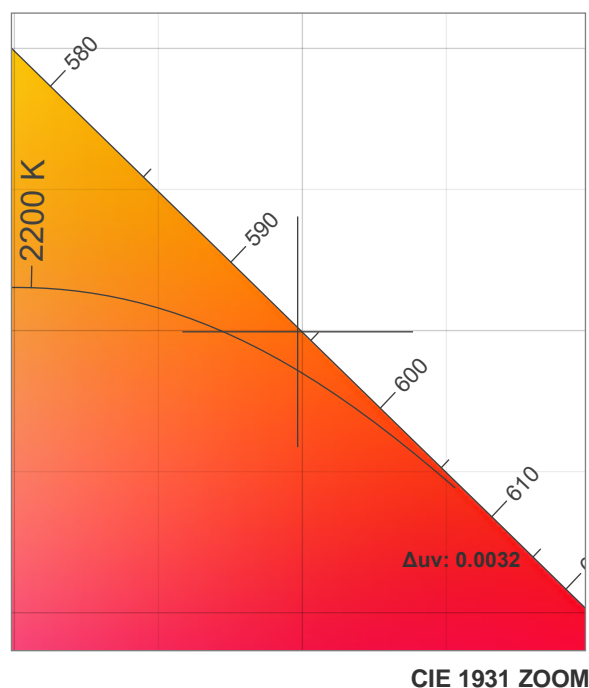
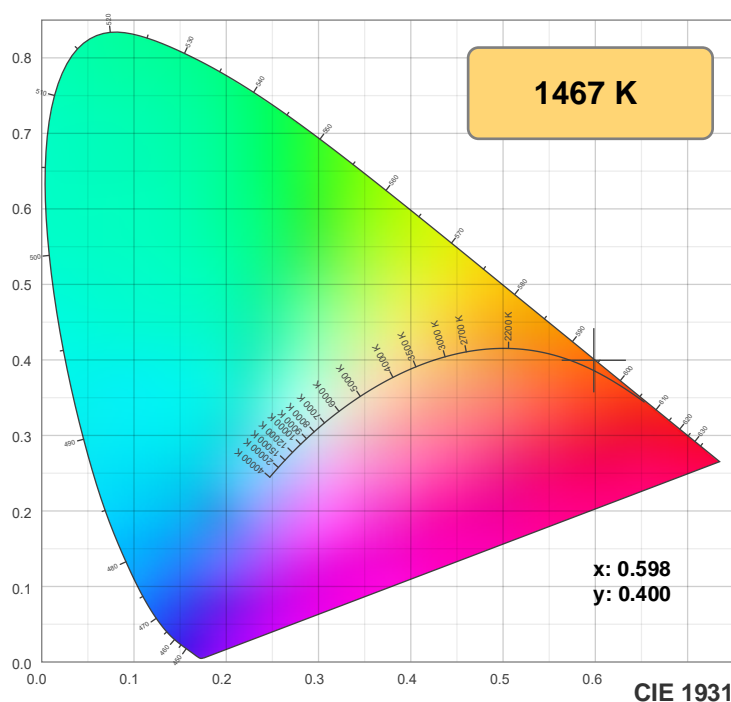
Spectra



Power

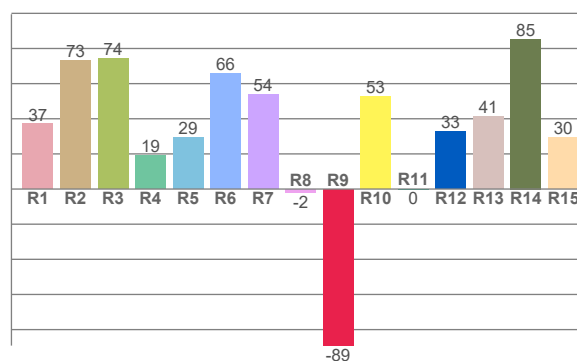
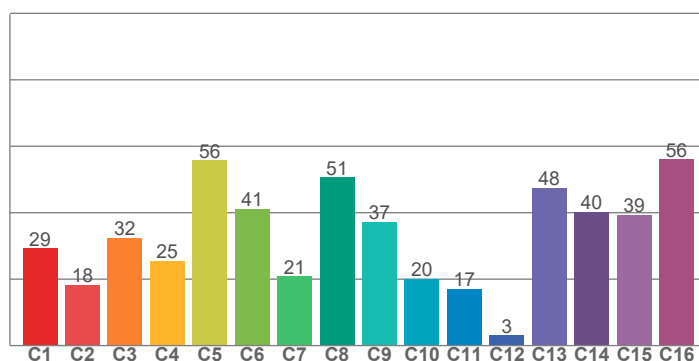


Color details



TM-30: 32.5

CRI: 43.8 (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
37.1	73.2	74.2	19.1	29.2	66.0	54.1	-1.9	-89.1	52.6	-0.1	33.0	41.2	85.4	29.6

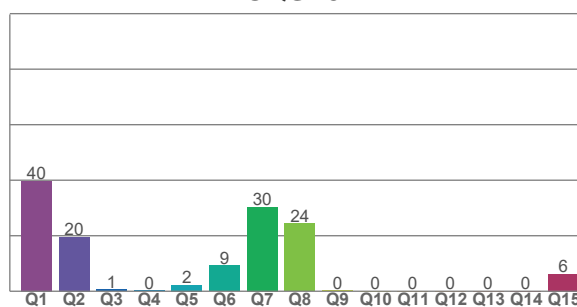
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
29.2	18.4	32.4	25.5	55.8	41.1	20.9	50.6	37.3	20.1	17.1	3.0	47.5	40.2	39.3	56.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
39.7	19.5	0.6	0.4	2.2	9.3	30.4	24.3	0.4	0.0	0.0	0.0	0.0	0.0	6.1

CQS: 0.2



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
1467 K	43.8	-89.1	32.5	19.5	0.2	0.598	0.400	0.363	0.363	0.0032

TM-30 details

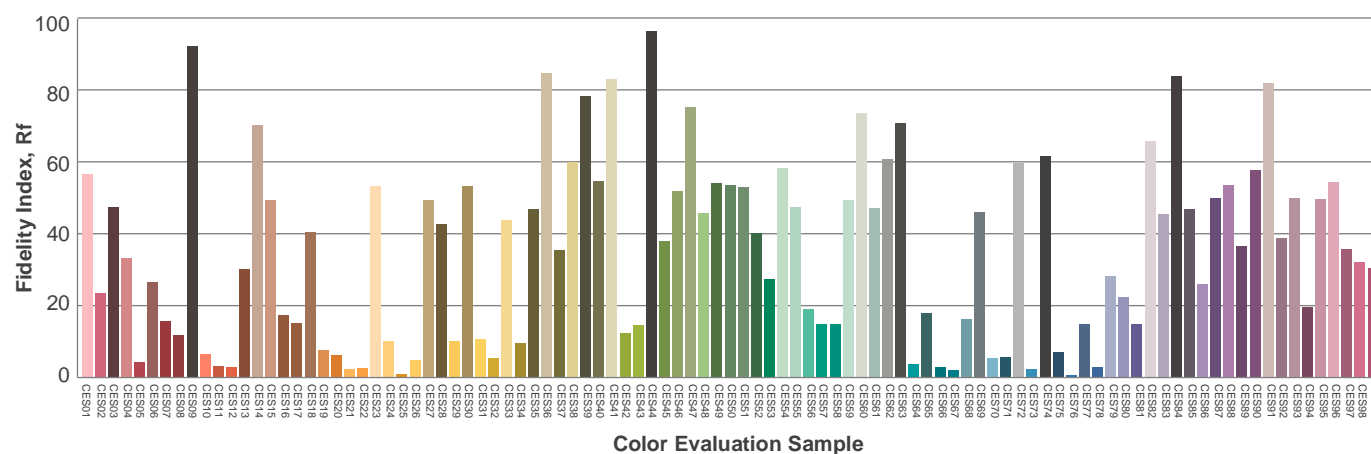
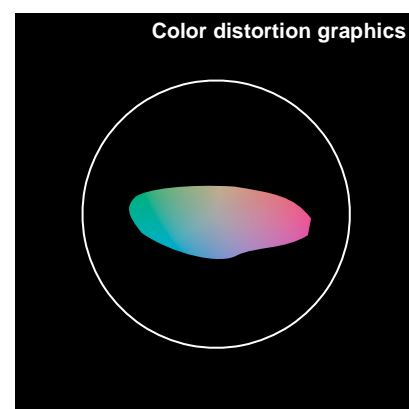
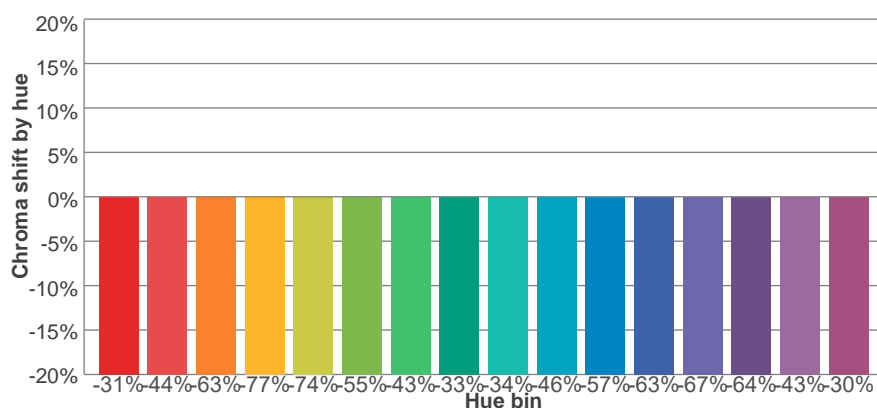
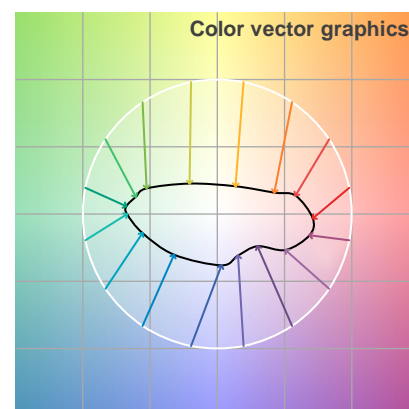
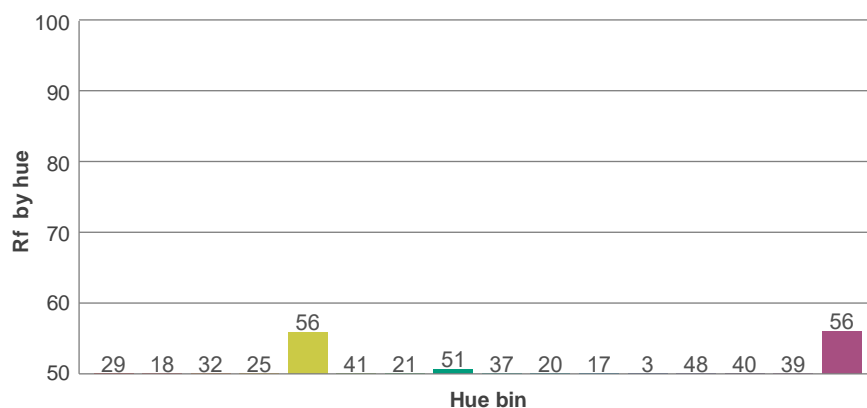
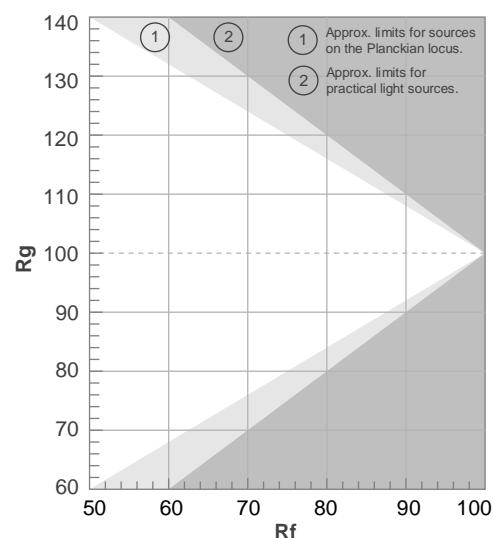
Rf 32.5

Fidelity index Rf

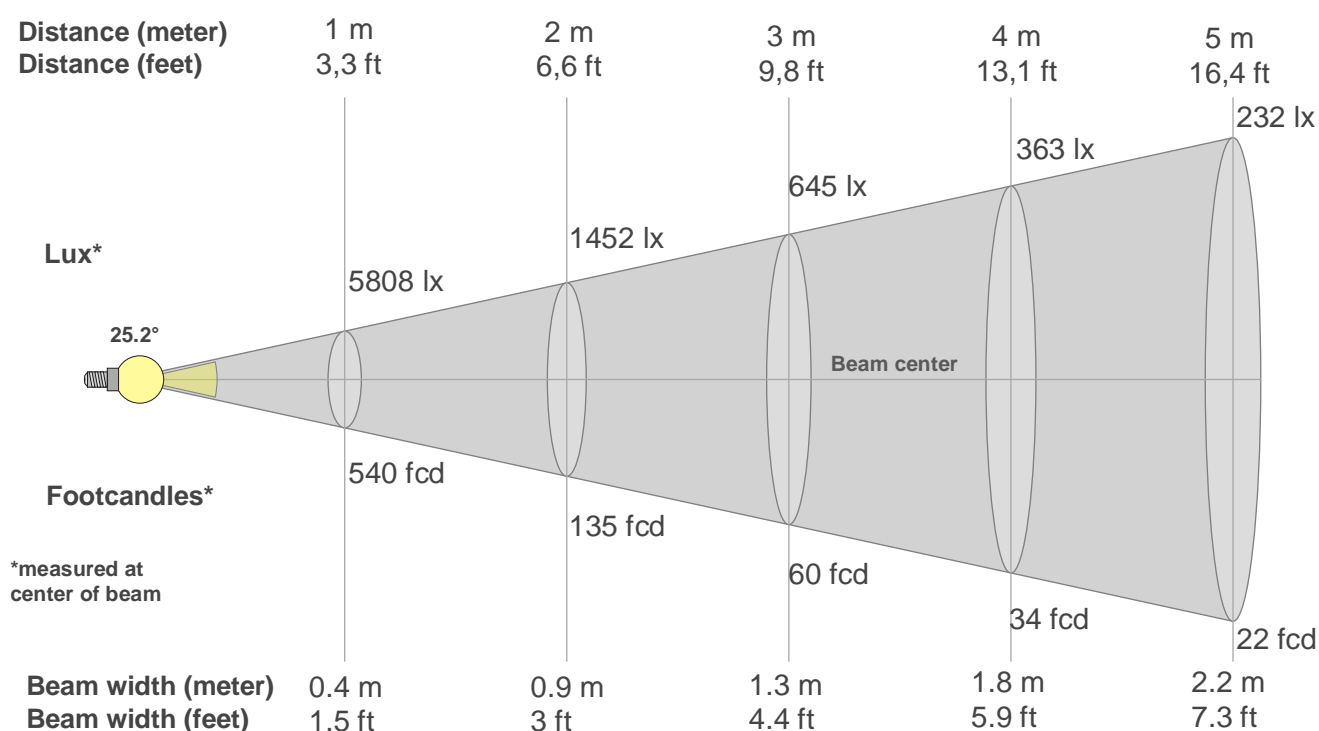
Rg 19.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	29	-31%	-17%
2	18	-44%	-21%
3	32	-63%	-26%
4	25	-77%	-9%
5	56	-74%	16%
6	41	-55%	33%
7	21	-43%	23%
8	51	-33%	8%
9	37	-34%	-13%
10	20	-46%	-19%
11	17	-57%	-10%
12	3	-63%	11%
13	48	-67%	9%
14	40	-64%	12%
15	39	-43%	6%
16	56	-30%	-2%



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
5808lx	1452lx	645lx	363lx	232lx	161lx	119lx	91lx	72lx	58lx	48lx	40lx	34lx	30lx	26lx	23lx	20lx	18lx	16lx	15lx
539.5fcd	134.9fcd	59.9fcd	33.7fcd	21.6fcd	15fcd	11fcd	8.4fcd	6.7fcd	5.4fcd	4.5fcd	3.7fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd

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°
5808	5654	5501	4990	4428	3821	3142	2462	1918	1394	964	693	422	302	203	130	99	69	56	46
100%	97%	95%	86%	76%	66%	54%	42%	33%	24%	17%	12%	7%	5%	3%	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°
5808	5654	5501	4990	4428	3821	3142	2462	1918	1394	964	693	422	302	203	130	99	69	56	46
100%	97%	95%	86%	76%	66%	54%	42%	33%	24%	17%	12%	7%	5%	3%	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°
5808	5660	5336	4973	4357	3741	3123	2503	1908	1475	1043	744	523	320	238	156	109	83	60	51
100%	97%	92%	86%	75%	64%	54%	43%	33%	25%	18%	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°
5808	5660	5336	4973	4357	3741	3123	2503	1908	1475	1043	744	523	320	238	156	109	83	60	51
100%	97%	92%	86%	75%	64%	54%	43%	33%	25%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%

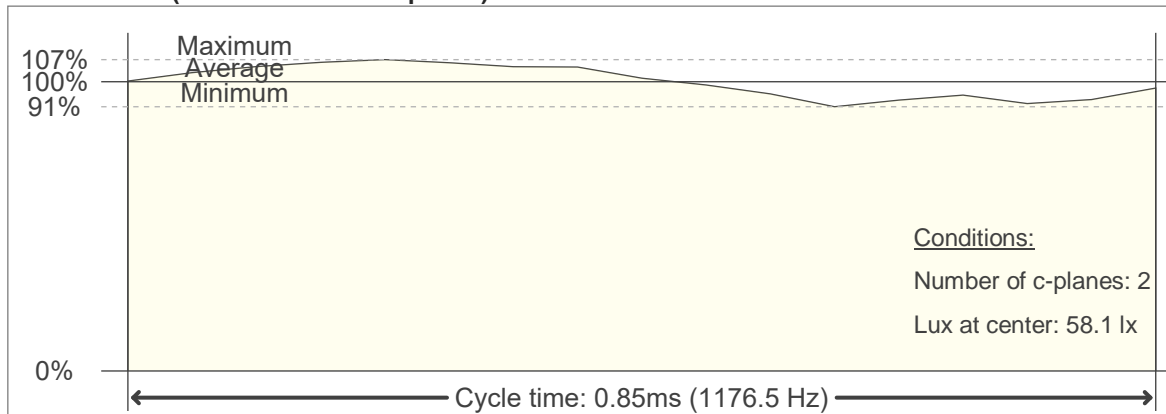
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.2°	46.2°	59.4°	99.1%	97.3%

Flicker

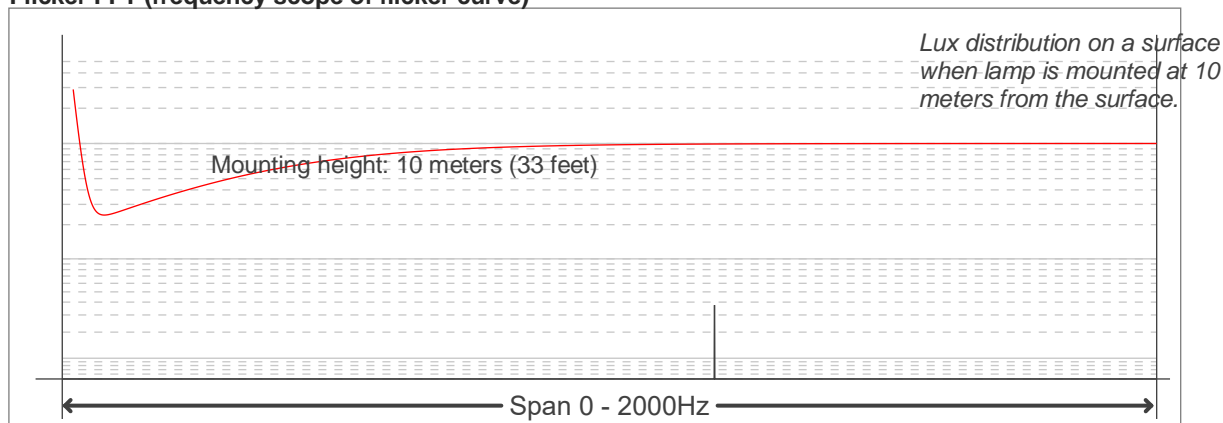
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.02	JA8/10 40Hz	0.07 %
Flicker percentage:	8.46 %	JA8/10 90Hz	0.15 %
SVM: (Visual flicker)	0.08	JA8/10 200Hz	0.33 %
PstLM	0.02	JA8/10 400Hz	0.67 %
Mp	0.02	JA8/10 1000Hz	2.13 %

Flicker conditions:

Sample rate:	20000 samples/second
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