

Light efficiency:



Light quality:



Color temperature:



Output: 1828 lm

Peak: 7837 cd

Power: 91.6 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

**ElectraPix Bar 16**

Item number:

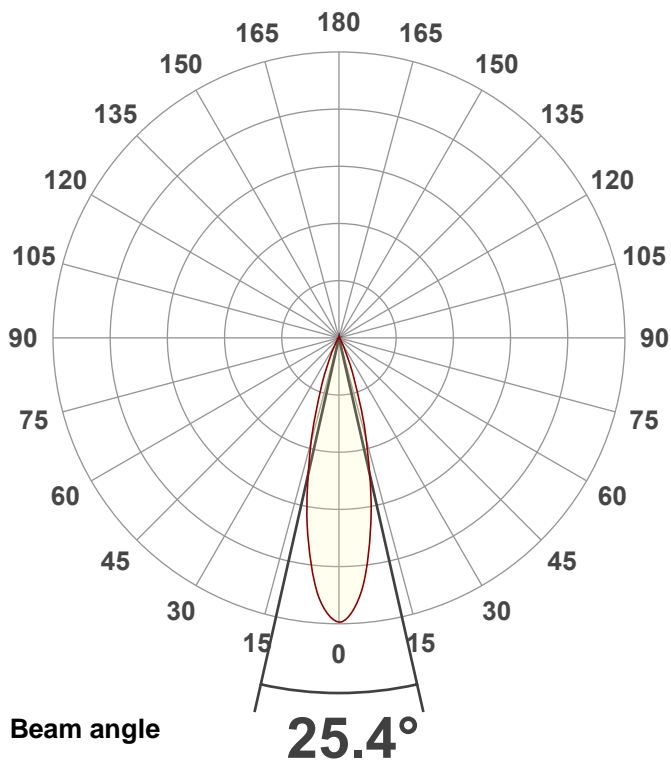
**8900K**

Date and time:

**8/29/2024 11:44:48 AM**

Description:

**@ 204**

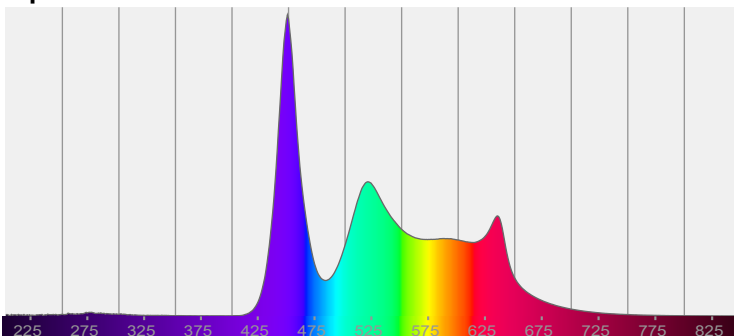


CIE 1931

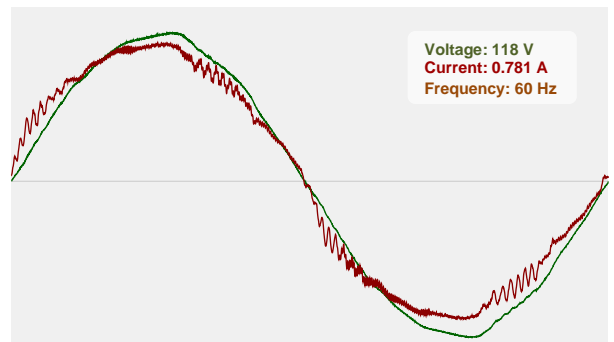
x: 0.288

y: 0.296

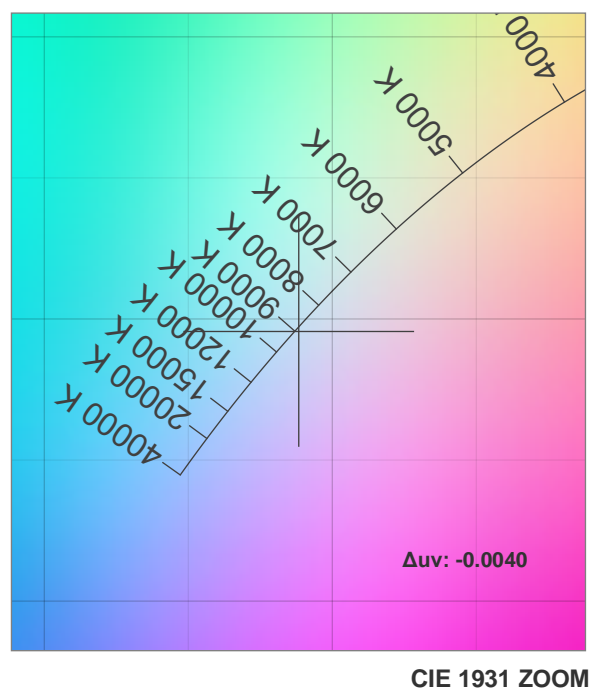
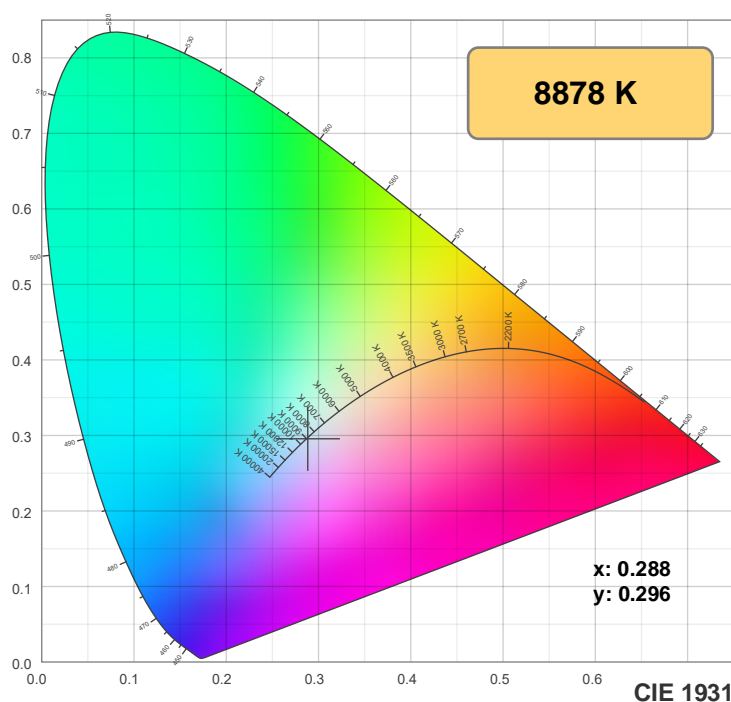
Spectra



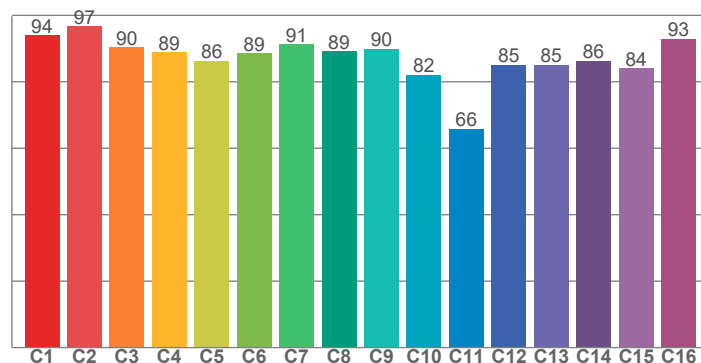
Power



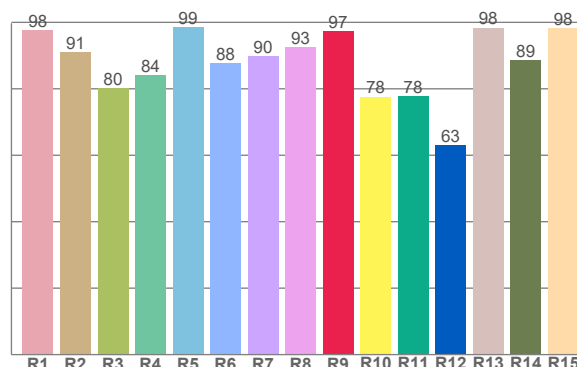
## Color details



**TM-30: 87.5**



**CRI: 90.2 (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
97.7	91.0	80.3	84.1	98.6	87.6	89.7	92.6	97.3	77.6	77.7	63.1	98.4	88.6	98.3

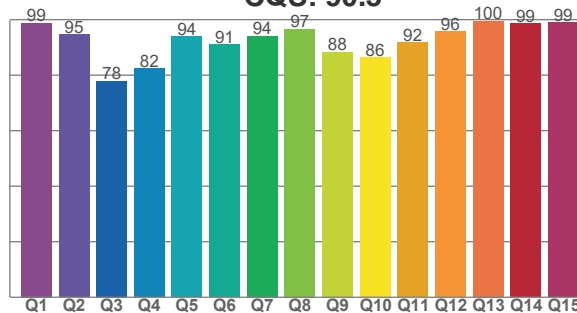
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.0	96.7	90.4	88.9	86.3	88.5	91.2	89.1	90.0	82.1	65.8	85.1	85.1	86.3	84.1	92.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.8	94.7	78.0	82.4	94.0	91.0	94.2	96.5	88.4	86.3	91.8	95.7	99.5	98.6	99.1

**CQS: 90.3**



### 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	$\Delta uv$
8878 K	90.2	97.3	87.5	105.0	90.3	0.288	0.296	0.193	0.297	-0.0040

# TM-30 details

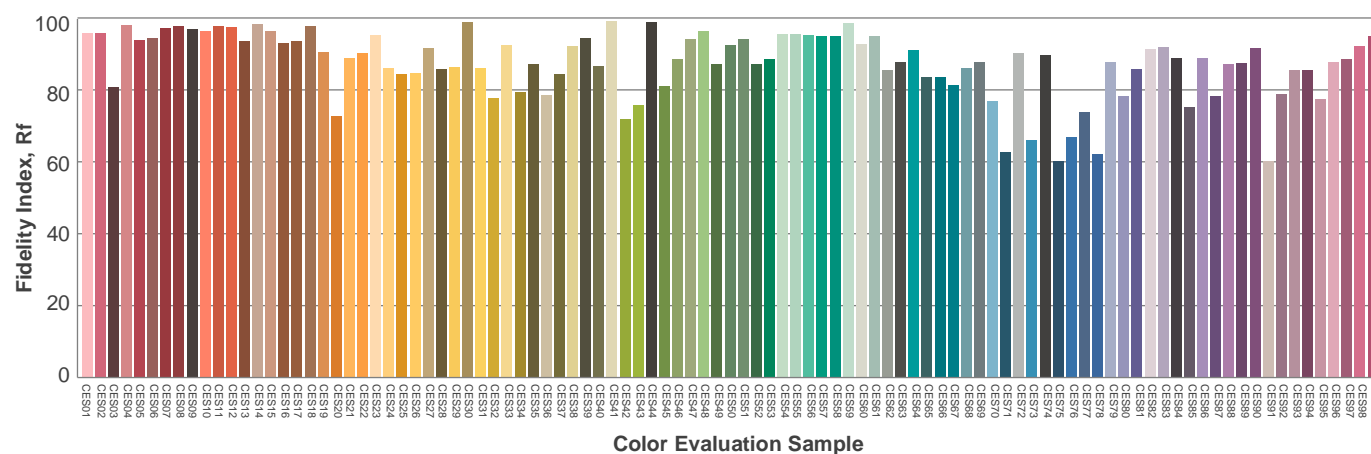
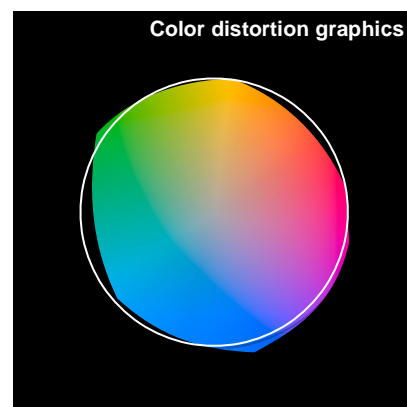
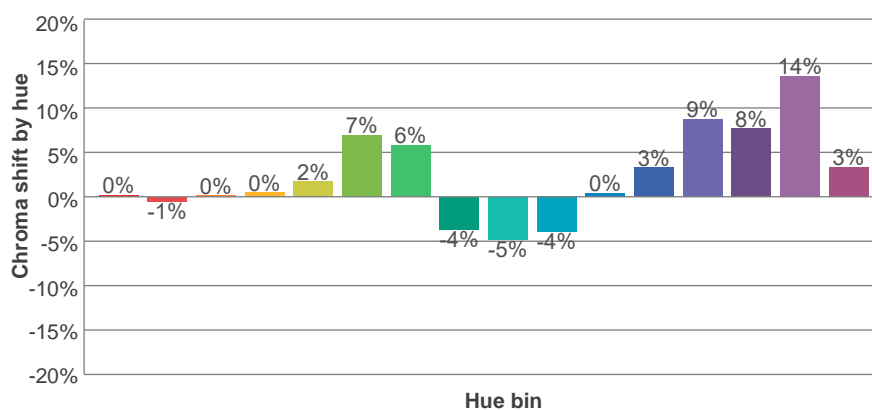
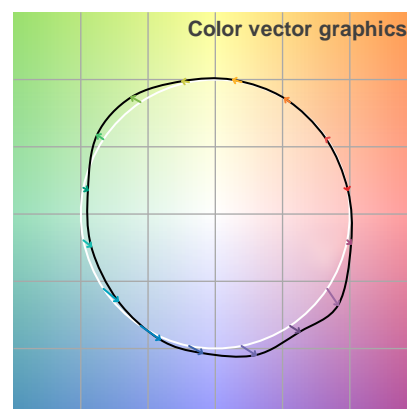
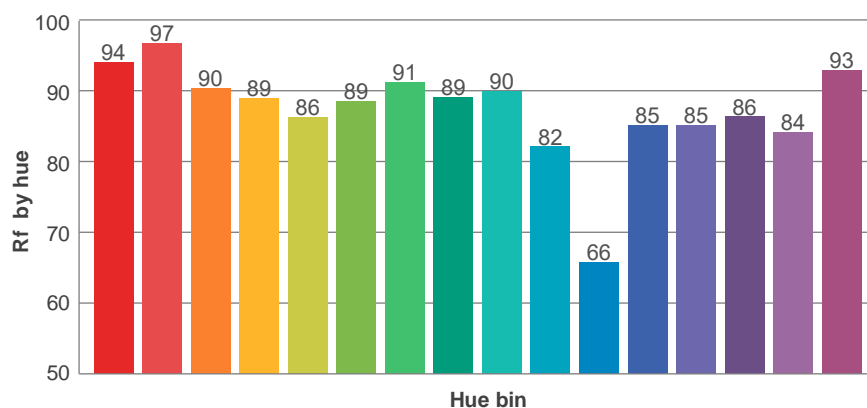
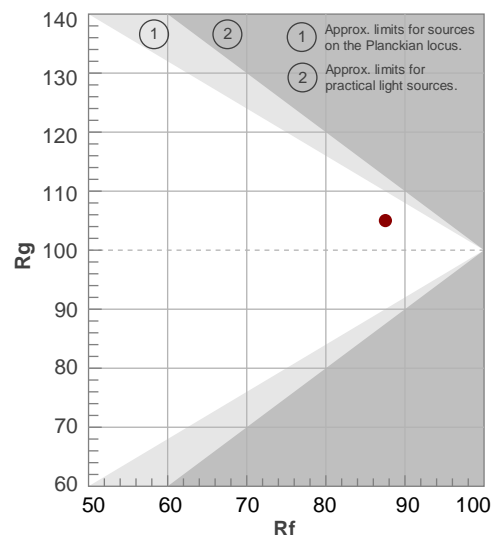
**Rf 87.5**

Fidelity index Rf

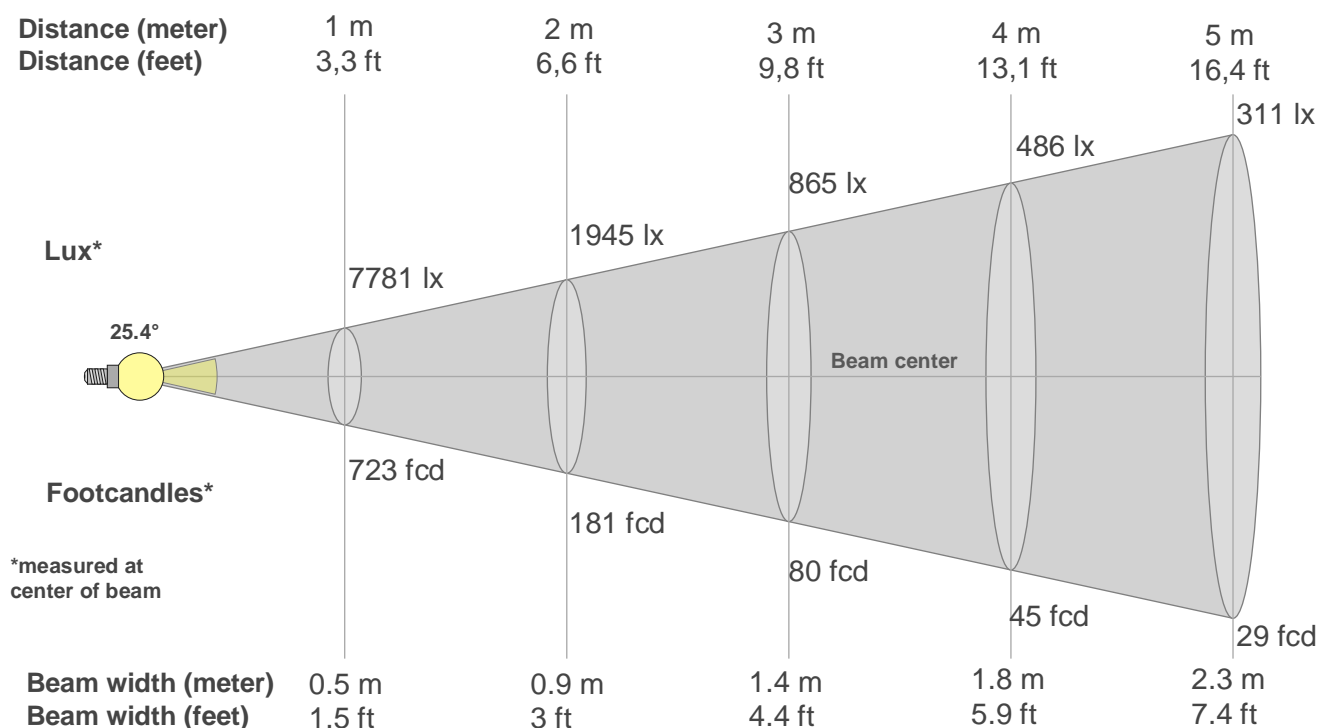
**Rg 105.0**

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	94	0%	-2%
2	97	-1%	1%
3	90	0%	5%
4	89	0%	6%
5	86	2%	5%
6	89	7%	4%
7	91	6%	0%
8	89	-4%	1%
9	90	-5%	6%
10	82	-4%	13%
11	66	0%	18%
12	85	3%	11%
13	85	9%	9%
14	86	8%	3%
15	84	14%	-5%
16	93	3%	-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
7781lx	1945lx	865lx	486lx	311lx	216lx	159lx	122lx	96lx	78lx	64lx	54lx	46lx	40lx	35lx	30lx	27lx	24lx	22lx	19lx
722.9fcd	180.7fcd	80.3fcd	45.2fcd	28.9fcd	20.1fcd	14.8fcd	11.3fcd	8.9fcd	7.2fcd	6fcd	5fcd	4.3fcd	3.7fcd	3.2fcd	2.8fcd	2.5fcd	2.2fcd	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°
7781	7542	7174	6677	5877	5078	4227	3362	2569	1939	1309	940	635	392	291	190	146	116	92	81
100%	97%	92%	86%	76%	65%	54%	43%	33%	25%	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°
7781	7542	7174	6677	5877	5078	4227	3362	2569	1939	1309	940	635	392	291	190	146	116	92	81
100%	97%	92%	86%	76%	65%	54%	43%	33%	25%	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°
7781	7498	7215	6604	5851	5078	4223	3368	2654	1999	1404	1045	686	477	332	208	161	114	90	75
100%	96%	93%	85%	75%	65%	54%	43%	34%	26%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%

### Intensities in 270° c-plane

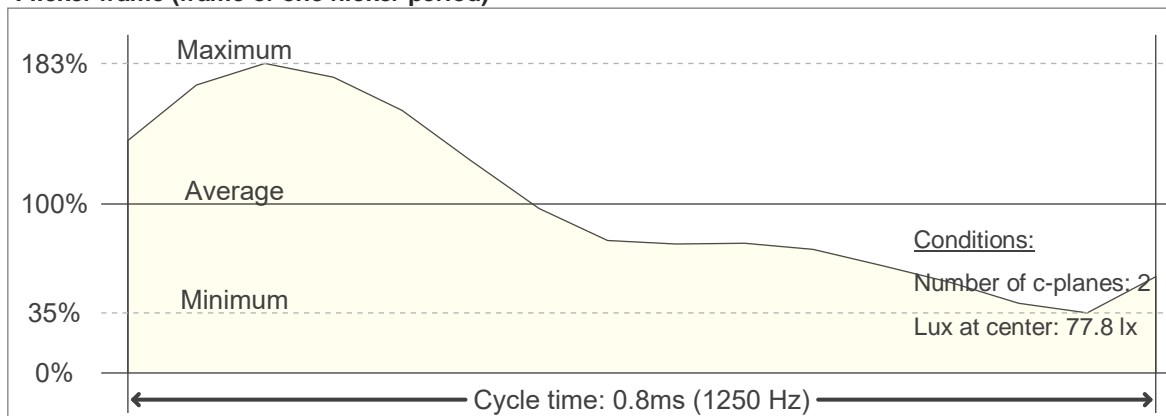
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7781	7498	7215	6604	5851	5078	4223	3368	2654	1999	1404	1045	686	477	332	208	161	114	90	75
100%	96%	93%	85%	75%	65%	54%	43%	34%	26%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.4°	46.5°	60.4°	98.8%	96.3%

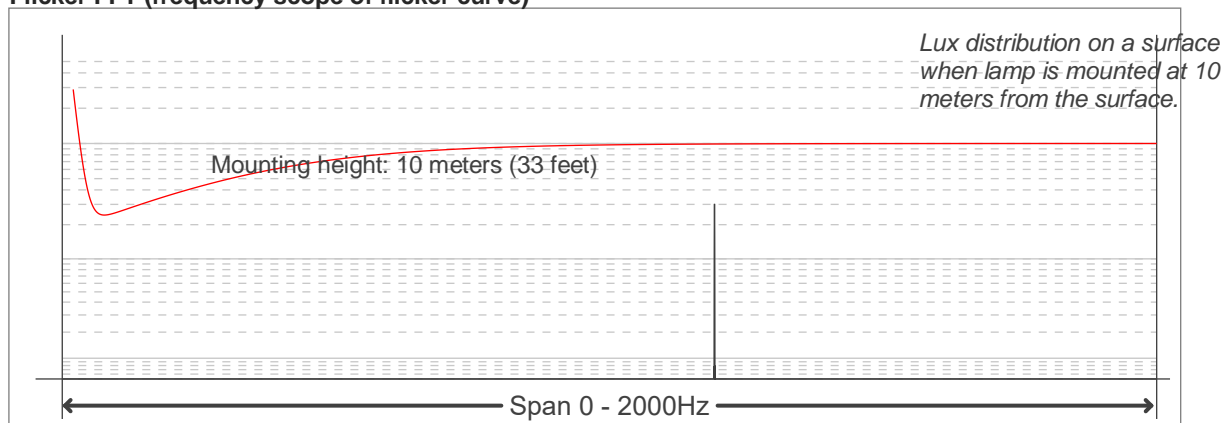
## Flicker

Flicker curve (complete sampled flicker signal)

Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



### Flicker results:

Flicker frequency:		1250 Hz	
Flicker index:	0.22	JA8/10 40Hz	0.05 %
Flicker percentage:	68.93 %	JA8/10 90Hz	0.08 %
SVM: (Visual flicker)	0.61	JA8/10 200Hz	0.19 %
PstLM	0.04	JA8/10 400Hz	0.58 %
Mp	0.03	JA8/10 1000Hz	6.44 %

### Flicker conditions:

Sample rate:	20000 samples/second
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