

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 5.3

Color temperature:

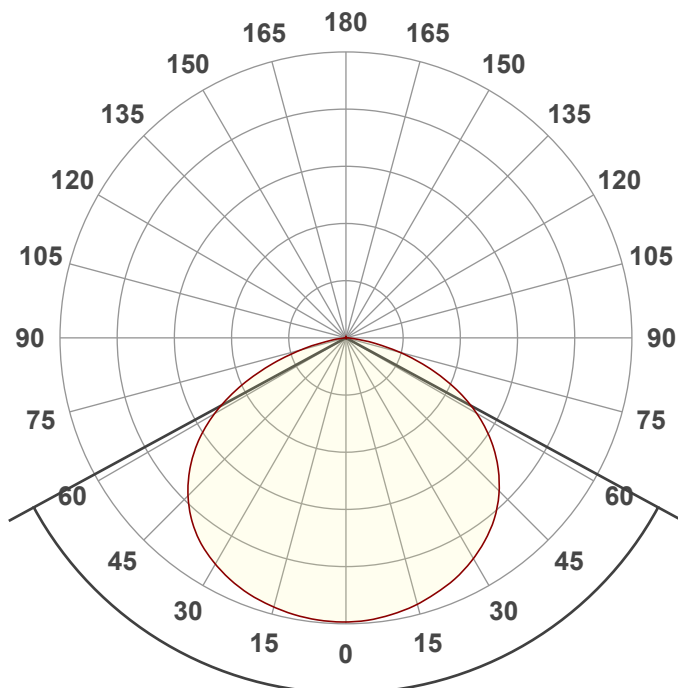
2682 K

Output: 4071 lm

Peak: 1295 cd

Power: 103.6 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

JoltBar FXIP

Item number:

2700K

Date and time:

4/17/2024 12:45:57 PM

Description:

Beam angle

123°

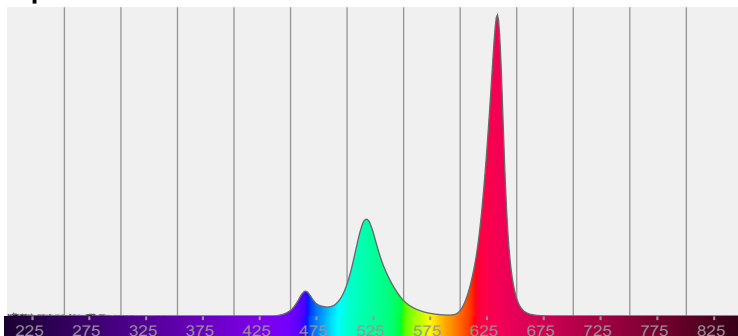


CIE 1931

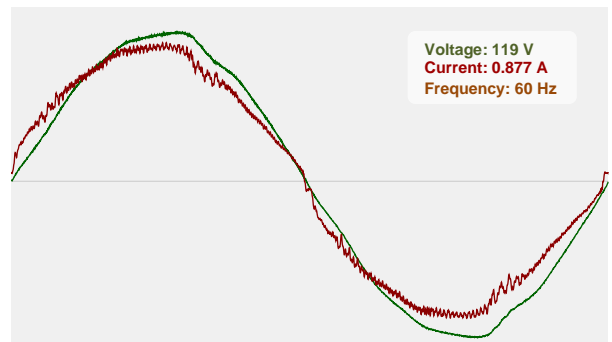
x: 0.464

y: 0.416

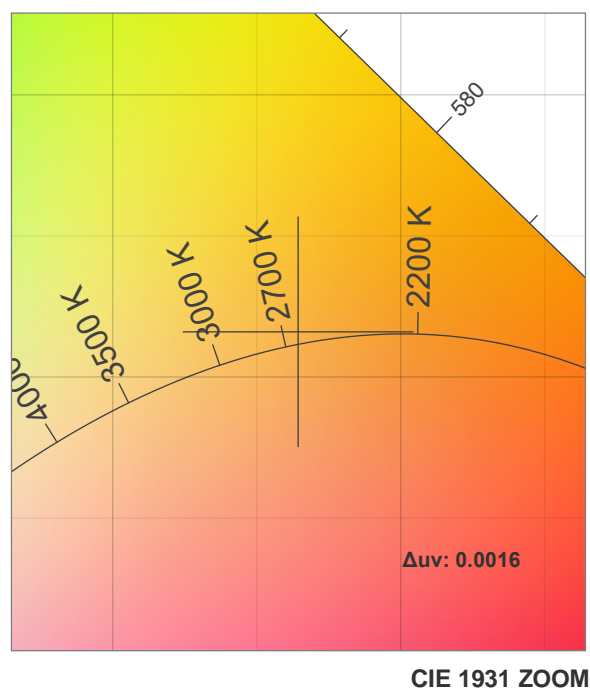
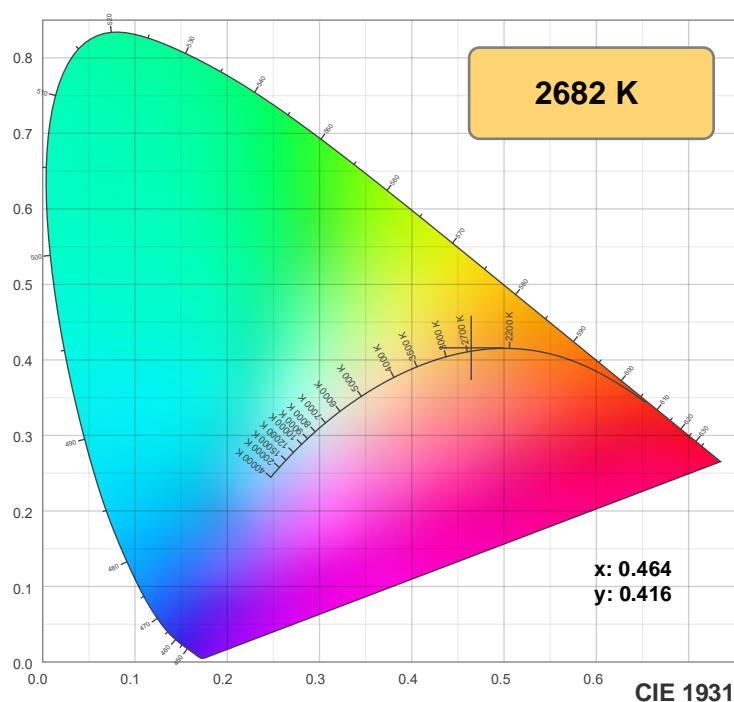
Spectra



Power

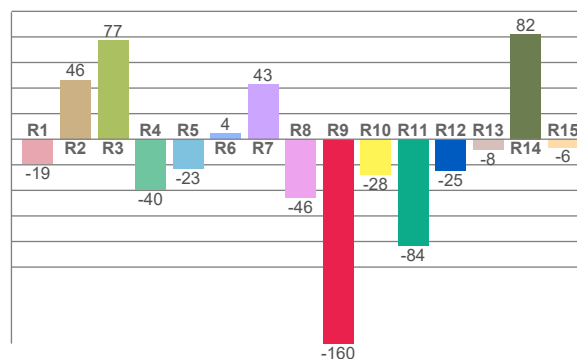
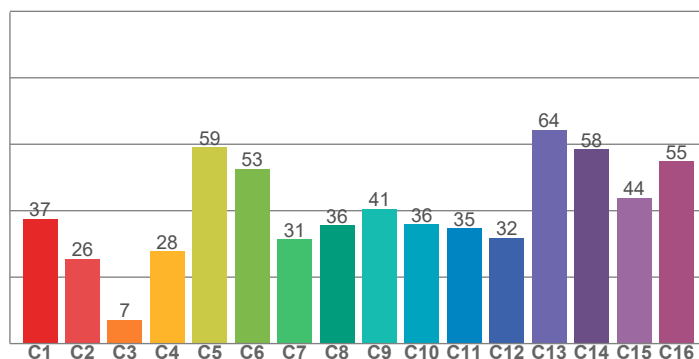


Color details



TM-30: 38.5

CRI: 5.3 (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
-19.4	46.4	77.2	-39.8	-23.4	4.4	42.7	-46.0	-159.8	-27.8	-83.6	-24.5	-8.4	82.1	-6.4

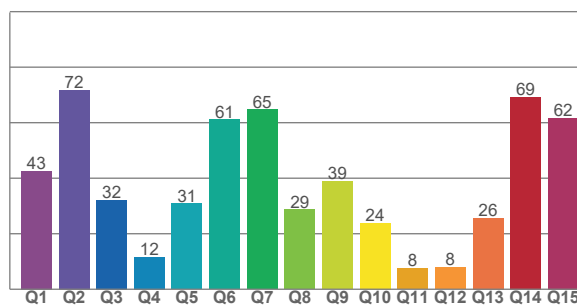
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
37.5	25.5	7.1	27.8	59.0	52.5	31.3	35.6	40.6	35.9	34.7	31.7	64.3	58.5	43.9	54.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
42.5	71.7	32.2	11.5	30.9	61.1	64.7	28.7	38.9	23.8	7.5	7.9	25.6	69.2	61.7

CQS: 33.3



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	Δuv
2682 K	5.3	-159.8	38.5	100.5	33.3	0.464	0.416	0.263	0.353	0.0016

TM-30 details

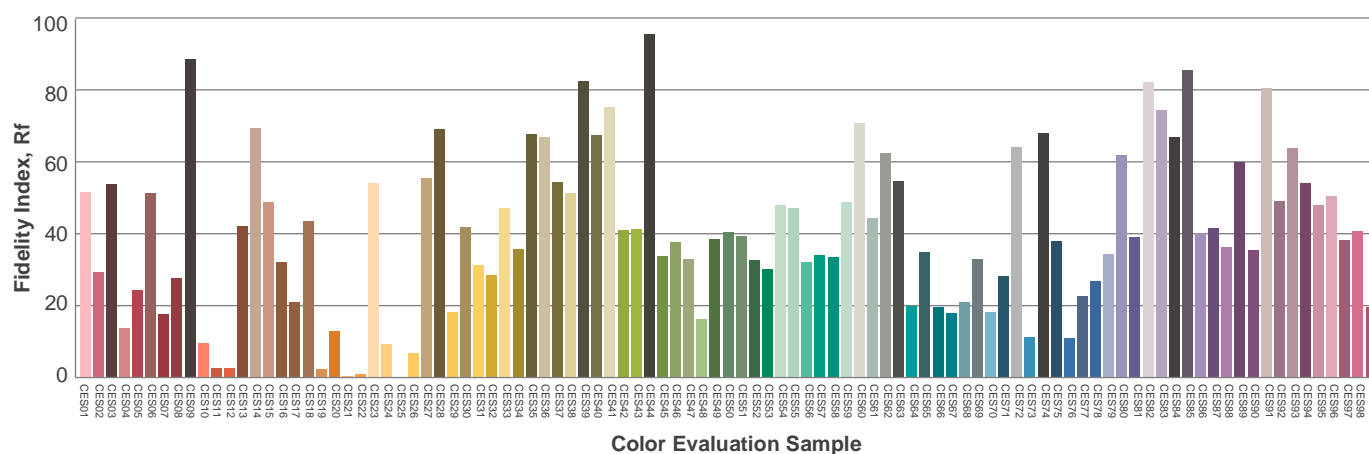
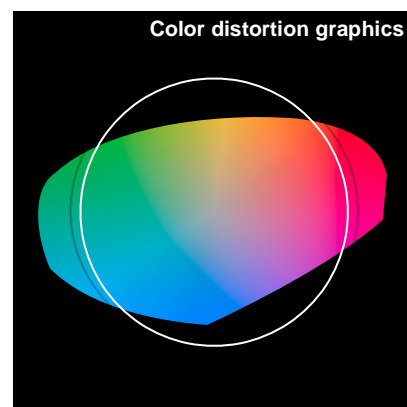
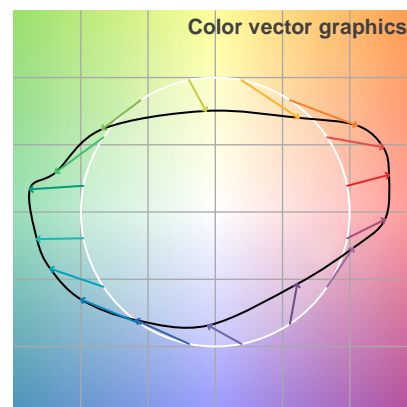
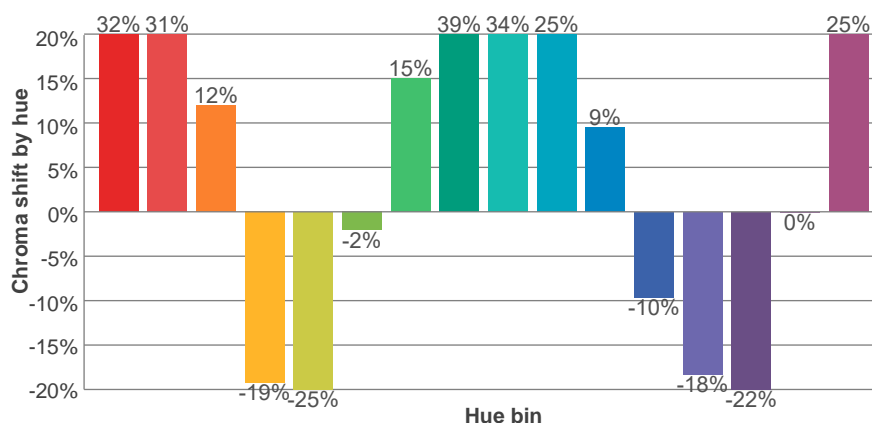
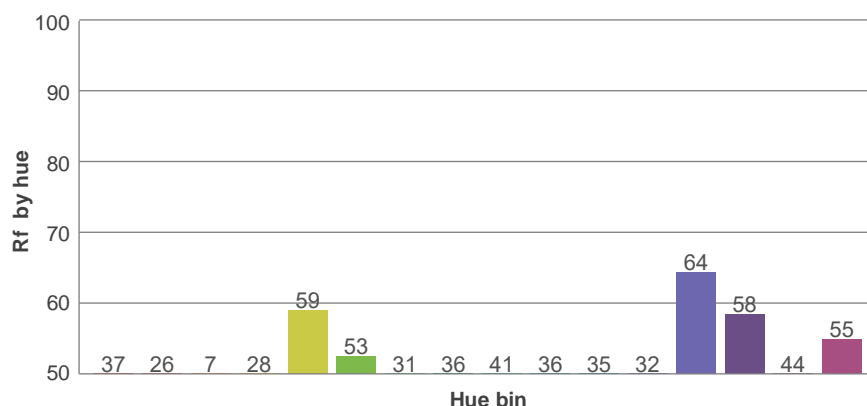
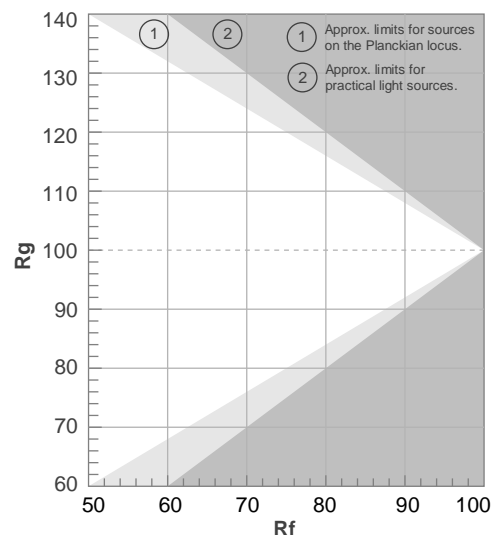
Rf 38.5

Fidelity index Rf

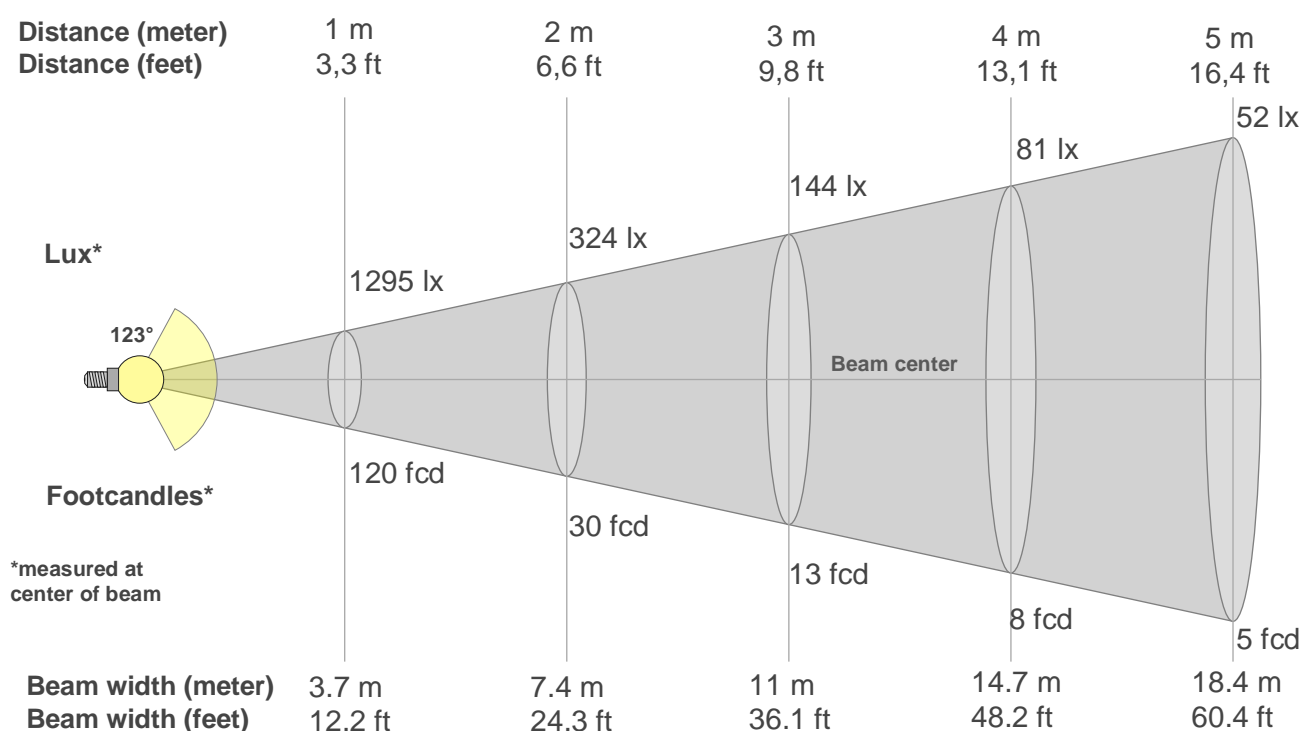
Rg 100.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	37	32%	2%
2	26	31%	-29%
3	7	12%	-52%
4	28	-19%	-47%
5	59	-25%	-8%
6	53	-2%	36%
7	31	15%	42%
8	36	39%	10%
9	41	34%	-6%
10	36	25%	-33%
11	35	9%	-47%
12	32	-10%	-42%
13	64	-18%	-22%
14	58	-22%	21%
15	44	0%	35%
16	55	25%	19%



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
1295lx	324lx	144lx	81lx	52lx	36lx	26lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx
120.3fcd	30.1fcd	13.4fcd	7.5fcd	4.8fcd	3.3fcd	2.5fcd	1.9fcd	1.5fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1295	1289	1276	1257	1230	1200	1161	1114	1057	986	902	803	687	553	405	256	121	31	1	0
100%	100%	99%	97%	95%	93%	90%	86%	82%	76%	70%	62%	53%	43%	31%	20%	9%	2%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1295	1289	1276	1257	1230	1200	1161	1114	1057	986	902	803	687	553	405	256	121	31	1	0
100%	100%	99%	97%	95%	93%	90%	86%	82%	76%	70%	62%	53%	43%	31%	20%	9%	2%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1295	1293	1284	1270	1251	1225	1190	1147	1090	1017	927	820	691	539	374	216	85	13	1	0
100%	100%	99%	98%	97%	95%	92%	89%	84%	79%	72%	63%	53%	42%	29%	17%	7%	1%	0%	0%

Intensities in 270° c-plane

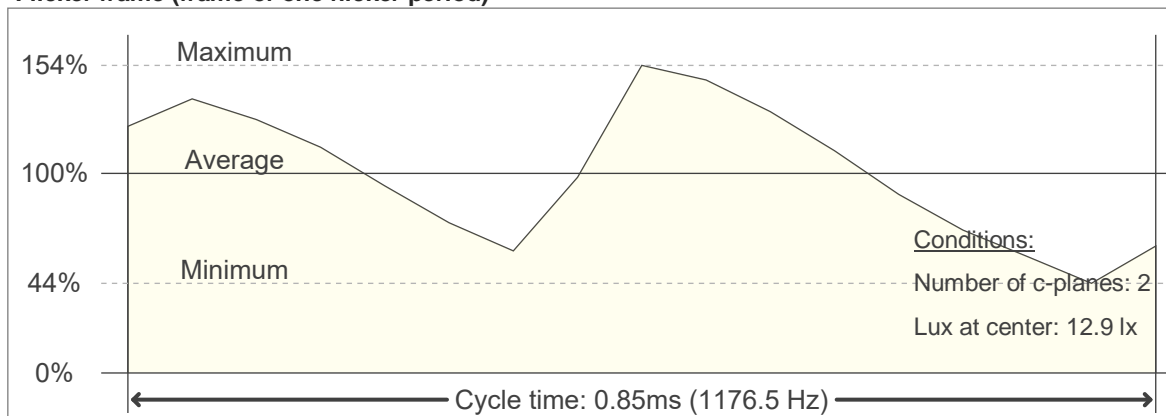
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1295	1293	1284	1270	1251	1225	1190	1147	1090	1017	927	820	691	539	374	216	85	13	1	0
100%	100%	99%	98%	97%	95%	92%	89%	84%	79%	72%	63%	53%	42%	29%	17%	7%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
123°	157.8°	168.3°	79.6%	52.4%

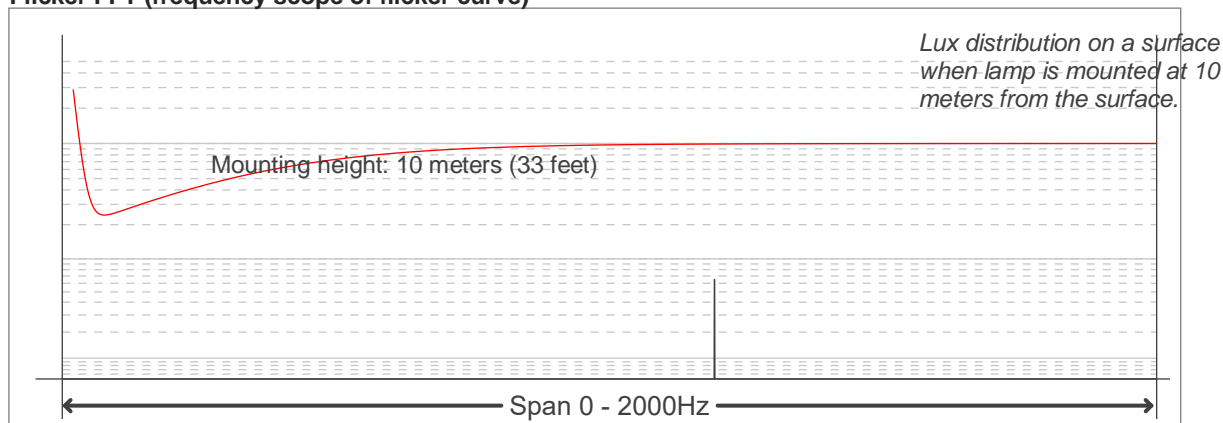
Flicker

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	0.27 %
Flicker percentage:	61.31 %	JA8/10 90Hz	0.57 %
SVM: (Visual flicker)	0.13	JA8/10 200Hz	1.15 %
PstLM	0.03	JA8/10 400Hz	2.3 %
Mp	0.05	JA8/10 1000Hz	6.15 %

Flicker conditions:

Sample rate:	20000 samples/second
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