

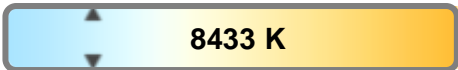
Light efficiency:



Light quality:



Color temperature:



Output: 1268 lm

Peak: 5564 cd

Power: 55.2 W

PF: 0.98



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

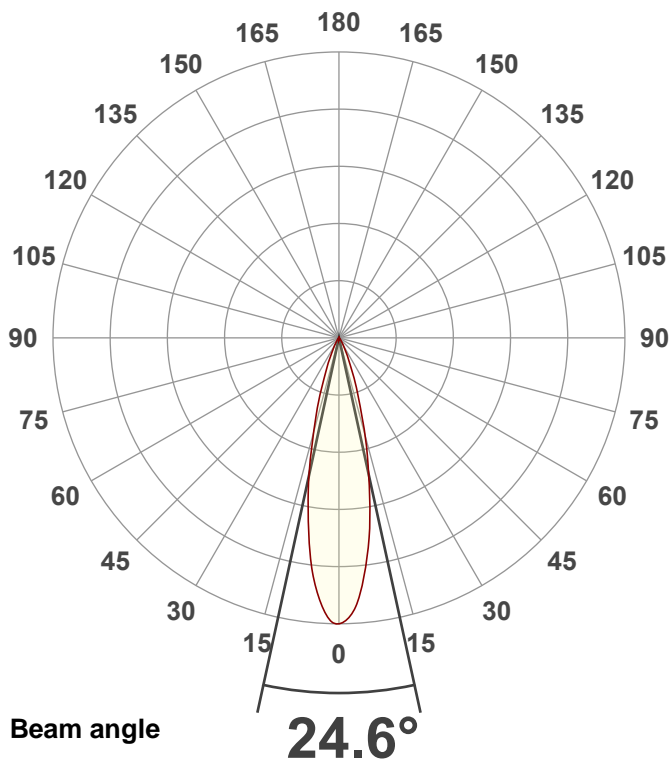
Item number:

Full On

Date and time:

8/30/2024 12:46:32 PM

Description:

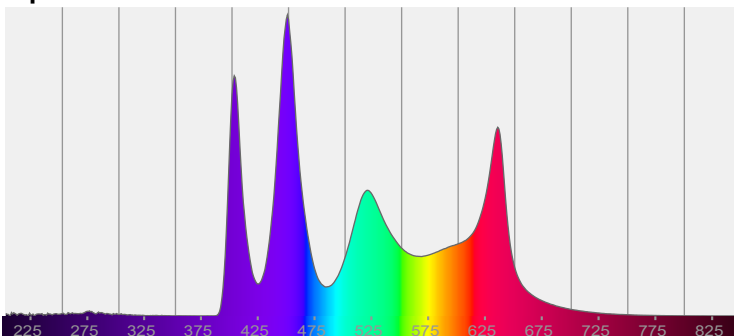


CIE 1931

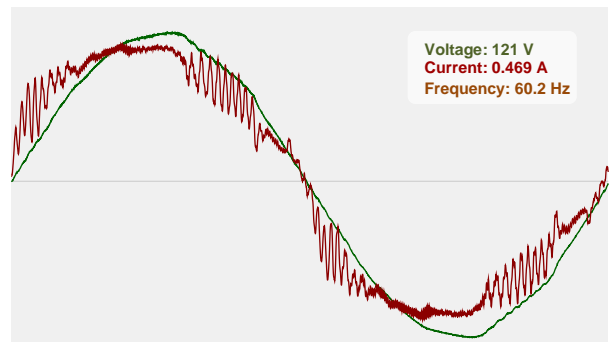
x: 0.303

y: 0.270

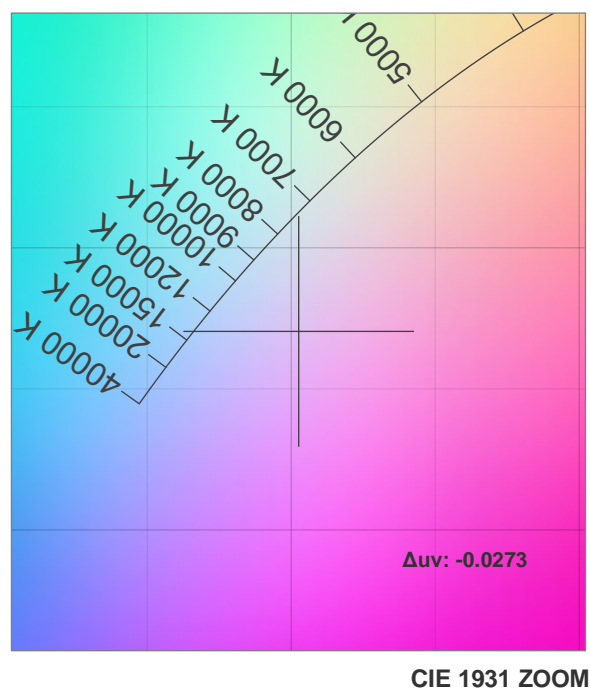
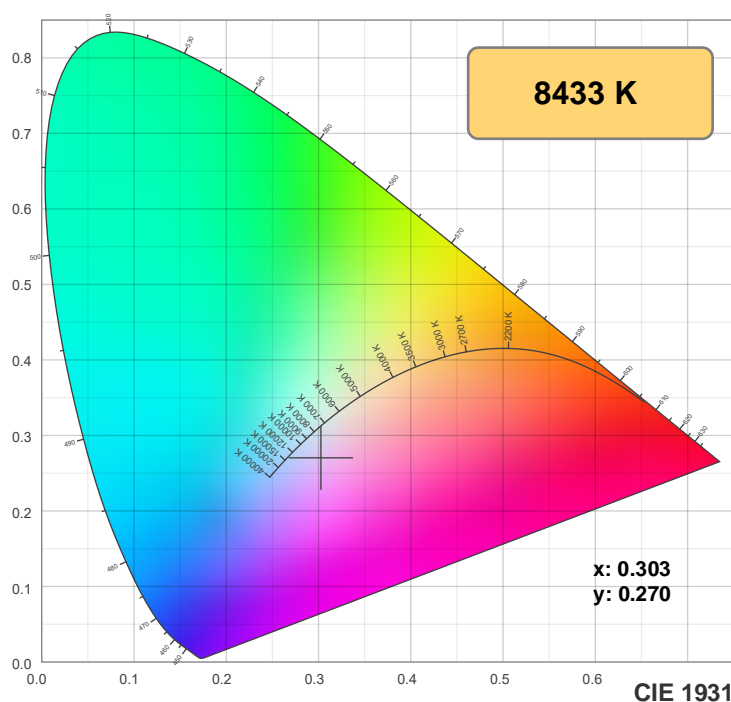
Spectra



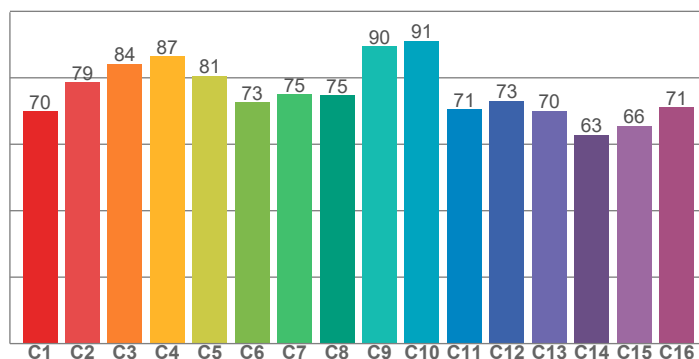
Power



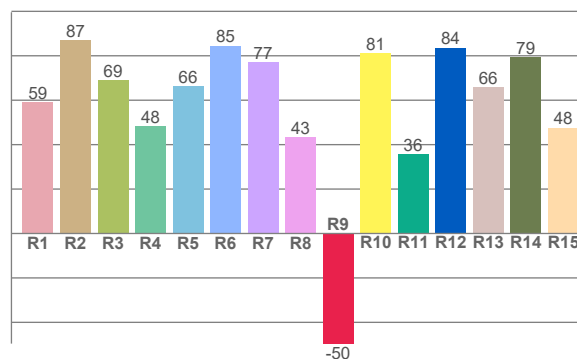
Color details



TM-30: 77.5



CRI: 66.9 (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
59.1	86.9	69.0	48.4	66.2	84.6	77.2	43.4	-49.6	81.1	35.8	83.7	65.9	79.2	47.7

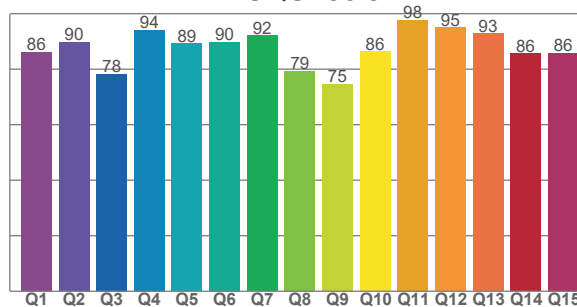
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
69.9	78.6	84.2	86.5	80.6	72.6	75.0	74.7	89.5	91.1	70.6	73.1	70.0	62.8	65.6	71.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86.1	89.8	78.3	94.1	89.3	89.7	92.2	79.4	74.7	86.4	97.7	95.0	92.8	85.7	85.7

CQS: 86.3



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
8433 K	66.9	-49.6	77.5	120.0	86.3	0.303	0.270	0.215	0.288	-0.0273

TM-30 details

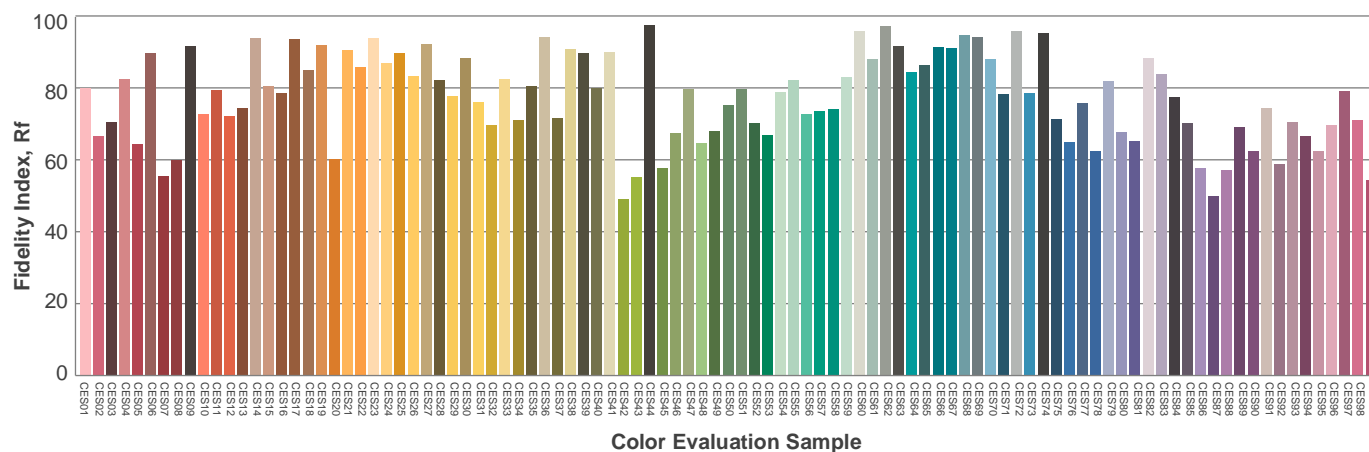
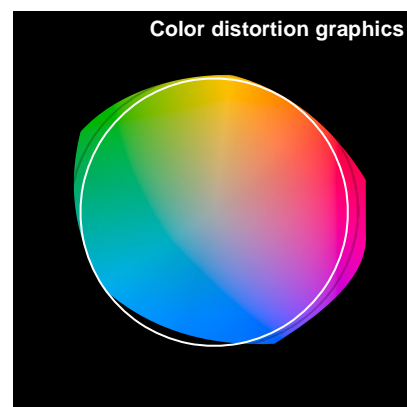
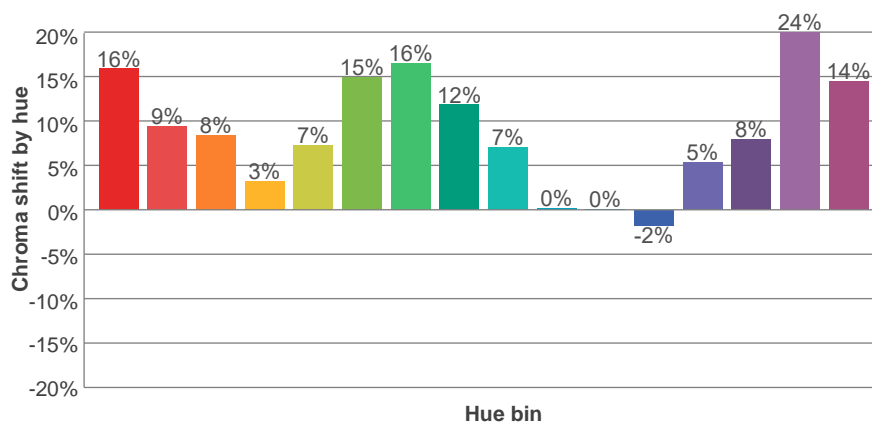
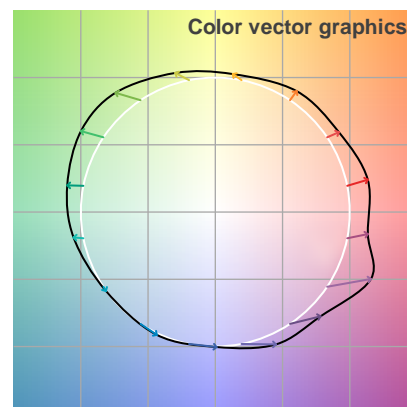
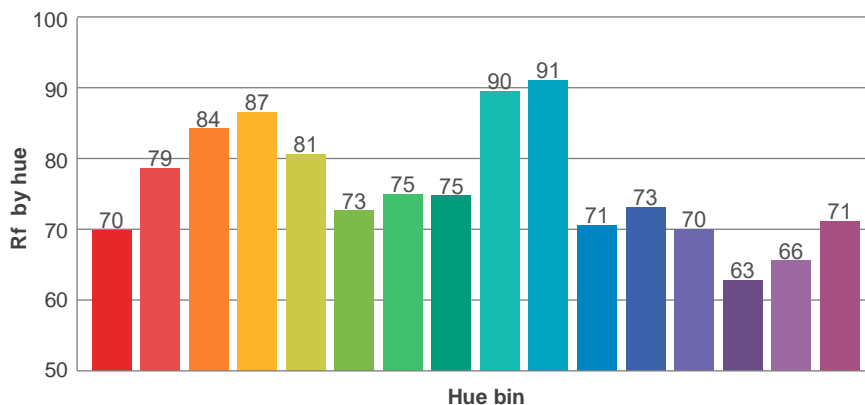
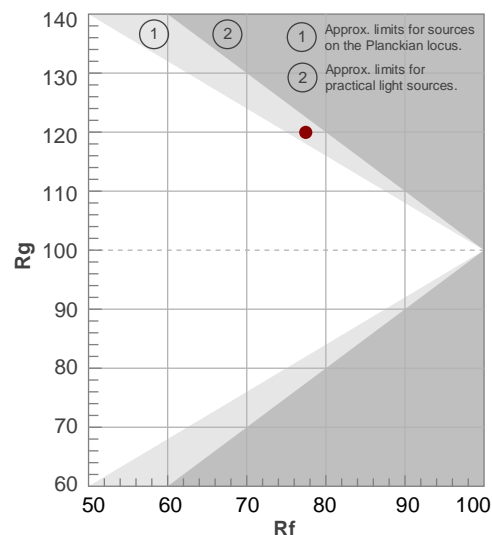
Rf 77.5

Fidelity index Rf

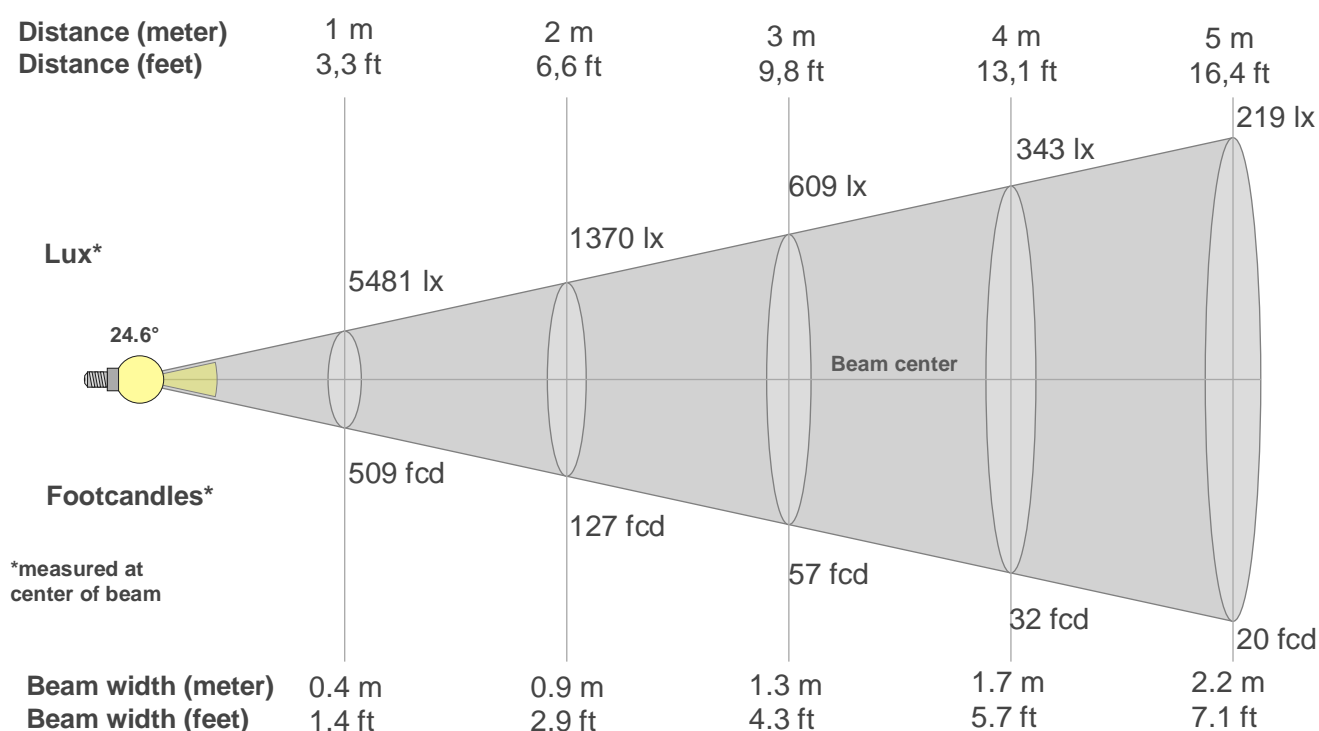
Rg 120.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	70	16%	1%
2	79	9%	-2%
3	84	8%	0%
4	87	3%	7%
5	81	7%	9%
6	73	15%	12%
7	75	16%	5%
8	75	12%	2%
9	90	7%	-2%
10	91	0%	4%
11	71	0%	15%
12	73	-2%	20%
13	70	5%	25%
14	63	8%	22%
15	66	24%	23%
16	71	14%	6%



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
5481lx	1370lx	609lx	343lx	219lx	152lx	112lx	86lx	68lx	55lx	45lx	38lx	32lx	28lx	24lx	21lx	19lx	17lx	15lx	14lx
509.2fcd	127.3fcd	56.6fcd	31.8fcd	20.4fcd	14.1fcd	10.4fcd	8fcd	6.3fcd	5.1fcd	4.2fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	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°
5481	5366	5159	4635	4111	3506	2871	2267	1776	1284	957	693	463	352	242	180	138	101	84	67
100%	98%	94%	85%	75%	64%	52%	41%	32%	23%	17%	13%	8%	6%	4%	3%	3%	2%	2%	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°
5481	5366	5159	4635	4111	3506	2871	2267	1776	1284	957	693	463	352	242	180	138	101	84	67
100%	98%	94%	85%	75%	64%	52%	41%	32%	23%	17%	13%	8%	6%	4%	3%	3%	2%	2%	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°
5481	5459	5081	4704	4123	3485	2863	2282	1702	1295	938	635	474	312	229	167	116	93	70	58
100%	100%	93%	86%	75%	64%	52%	42%	31%	24%	17%	12%	9%	6%	4%	3%	2%	2%	1%	1%

Intensities in 270° c-plane

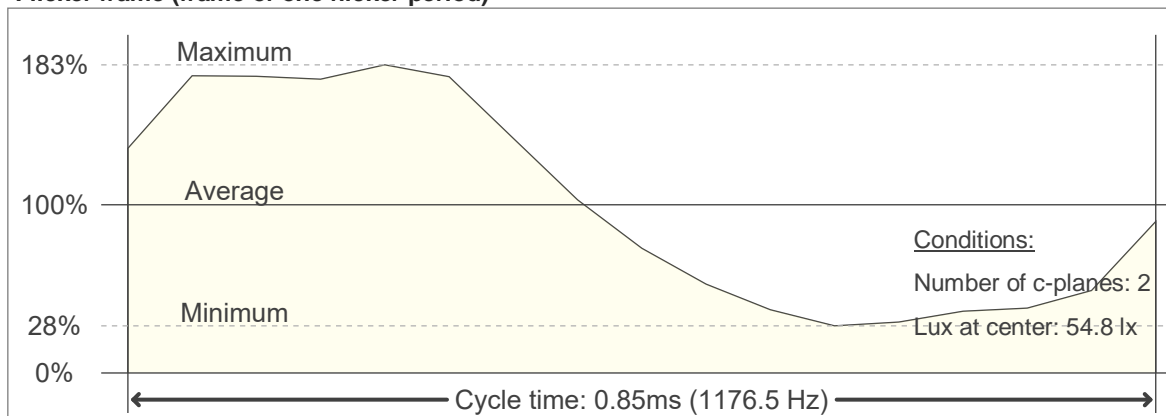
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
5481	5459	5081	4704	4123	3485	2863	2282	1702	1295	938	635	474	312	229	167	116	93	70	58
100%	100%	93%	86%	75%	64%	52%	42%	31%	24%	17%	12%	9%	6%	4%	3%	2%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.6°	46°	62.9°	99.1%	96.9%

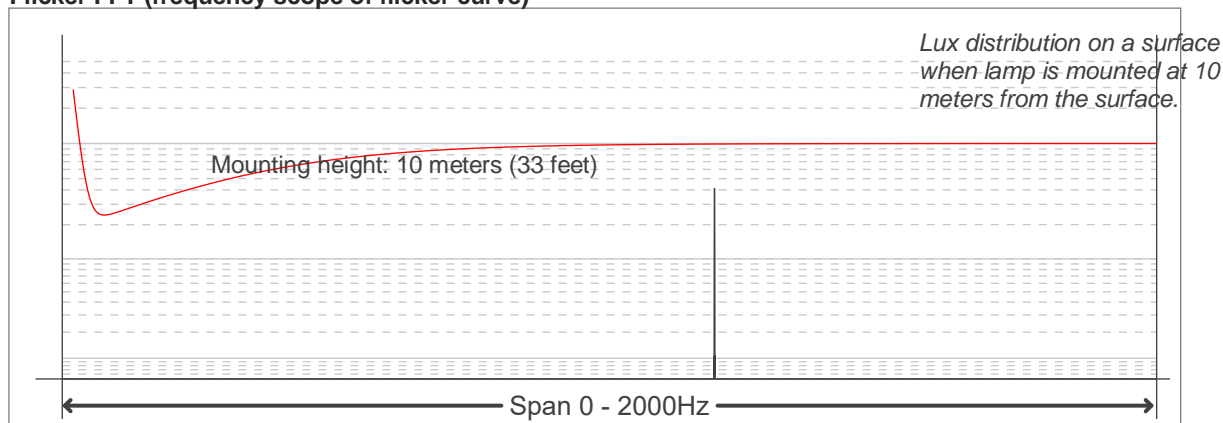
Flicker

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:	0.27	JA8/10 40Hz	1.15 %
Flicker percentage:	87.8 %	JA8/10 90Hz	2.64 %
SVM: (Visual flicker)	0.84	JA8/10 200Hz	5.99 %
PstLM	0.05	JA8/10 400Hz	12.32 %
Mp	0.21	JA8/10 1000Hz	37.98 %

Flicker conditions:

Sample rate:	20000 samples/second
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