

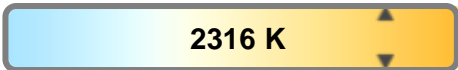
Light efficiency:



Light quality:



Color temperature:



Output: 1558 lm

Peak: 6769 cd

Power: 58.6 W

PF: 0.98



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

Item number:

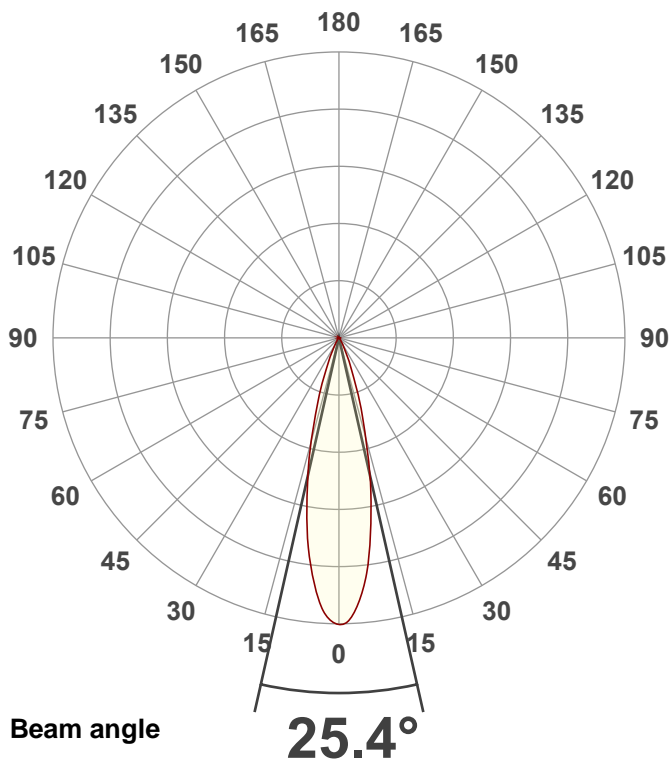
2300K

Date and time:

8/28/2024 3:54:35 PM

Description:

@ 3

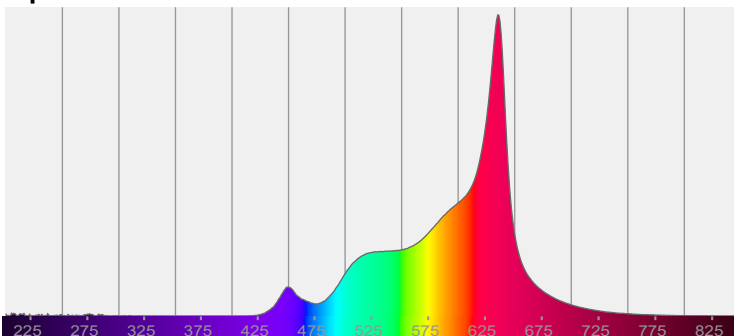


CIE 1931

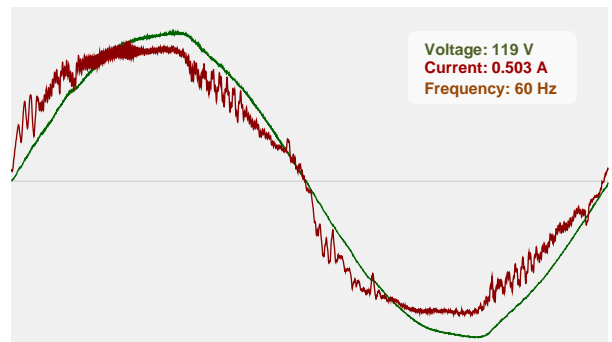
x: 0.497

y: 0.418

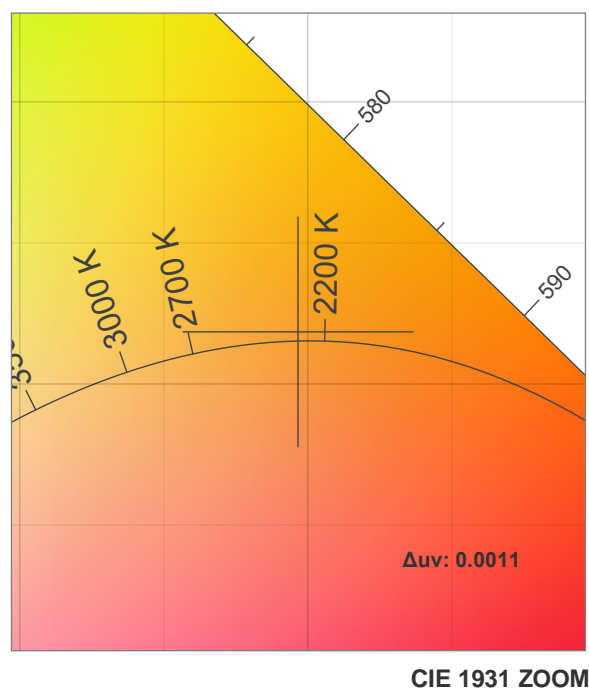
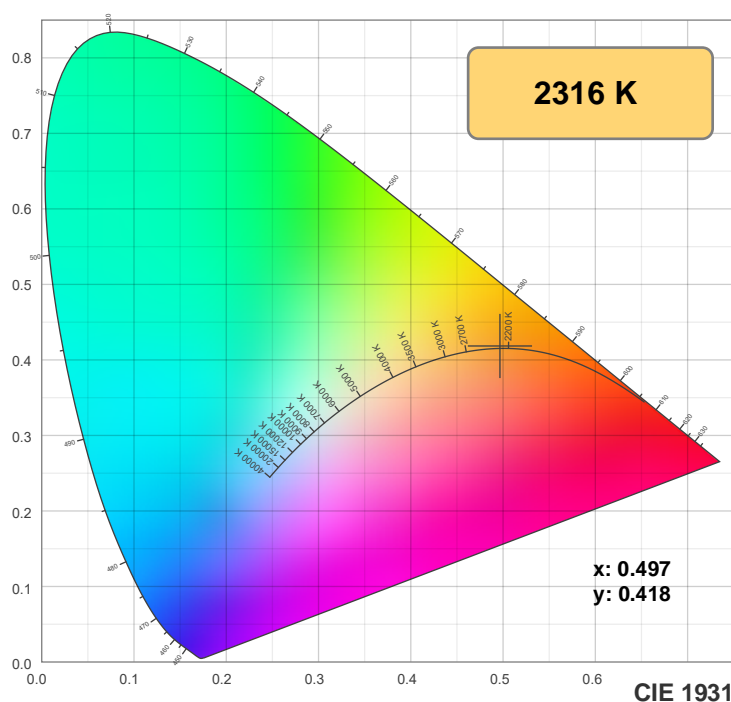
Spectra



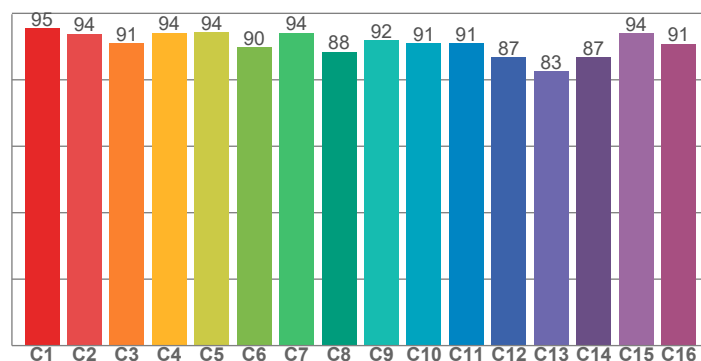
Power



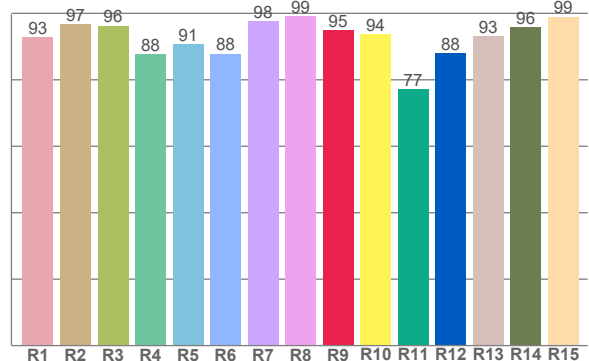
Color details



TM-30: 91.6



CRI: 93.6 (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
92.7	96.8	96.3	87.7	90.7	87.8	97.6	99.0	94.9	93.8	77.2	87.9	93.1	95.9	99.0

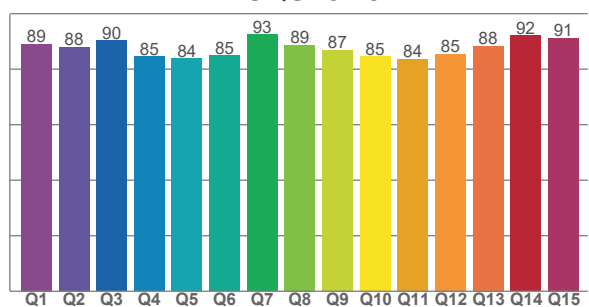
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.5	93.9	91.0	94.2	94.4	89.8	94.1	88.5	91.9	90.9	91.0	86.8	82.6	86.8	94.0	90.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89.1	88.0	90.3	84.6	83.8	84.9	92.5	88.7	87.0	84.6	83.7	85.5	88.3	92.1	91.2

CQS: 87.0



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
2316 K	93.6	94.9	91.6	101.5	87.0	0.497	0.418	0.283	0.357	0.0011

TM-30 details

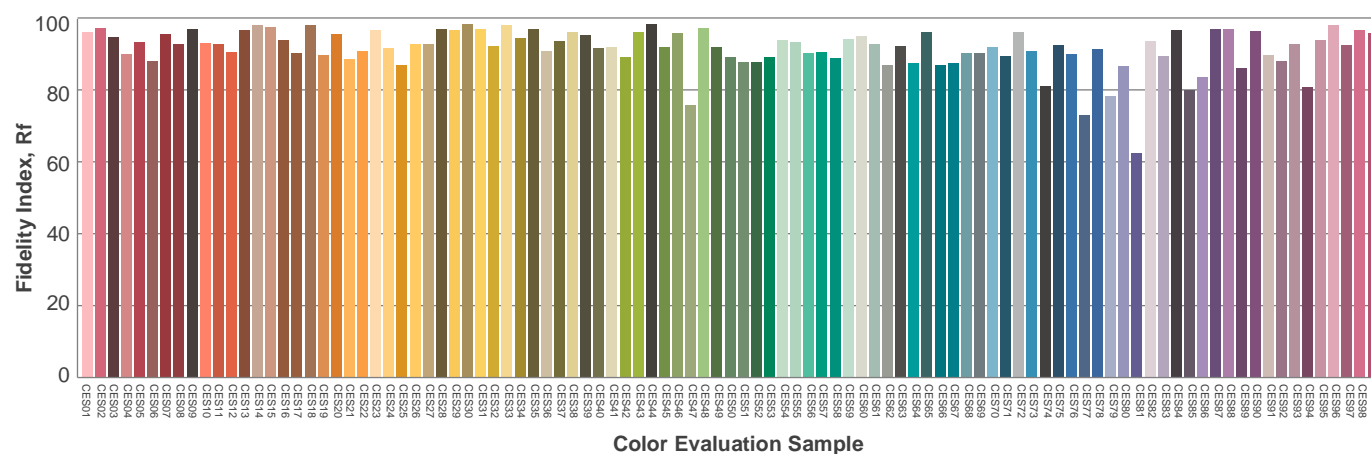
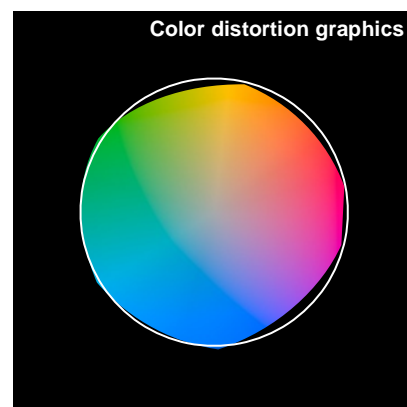
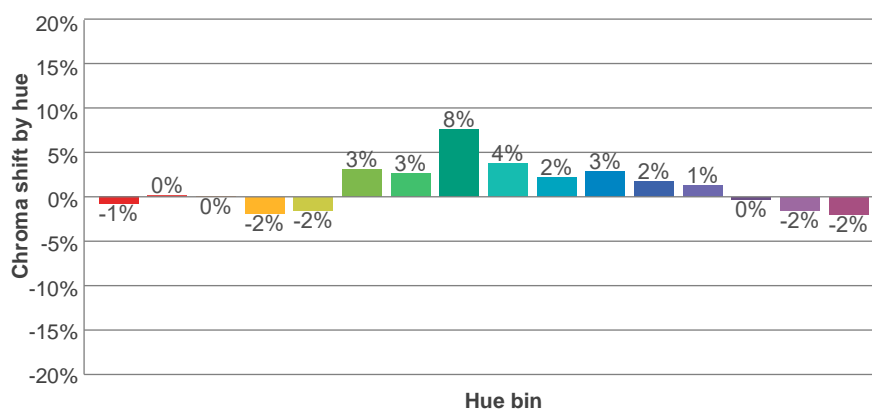
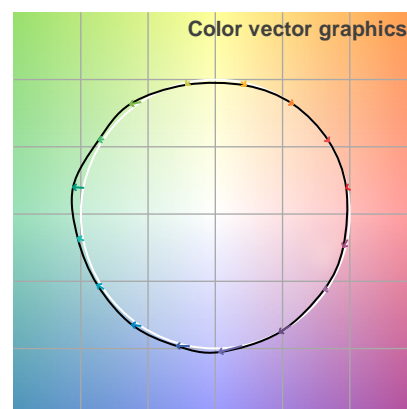
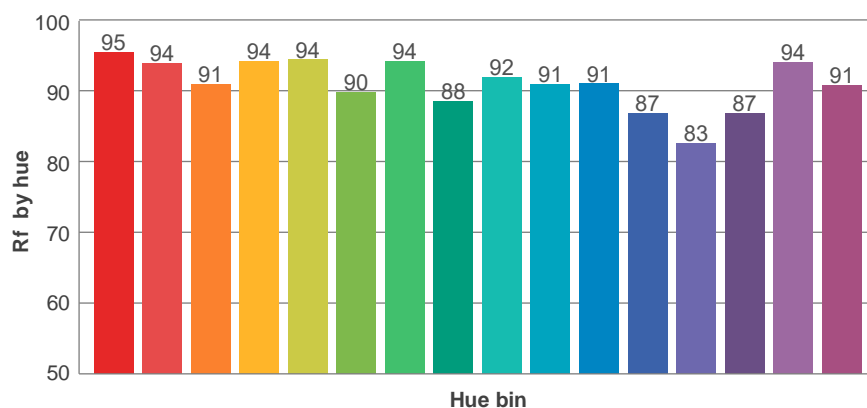
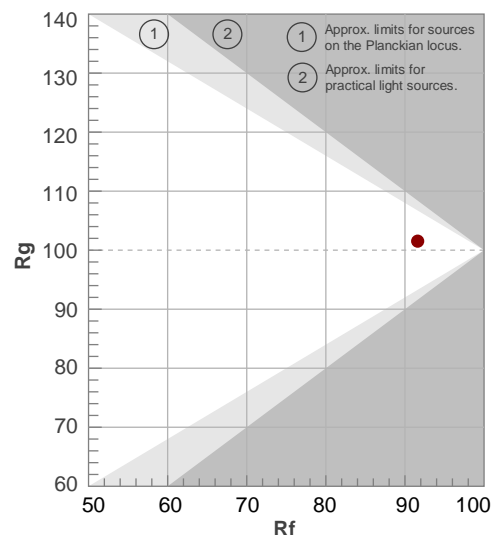
Rf 91.6

Fidelity index Rf

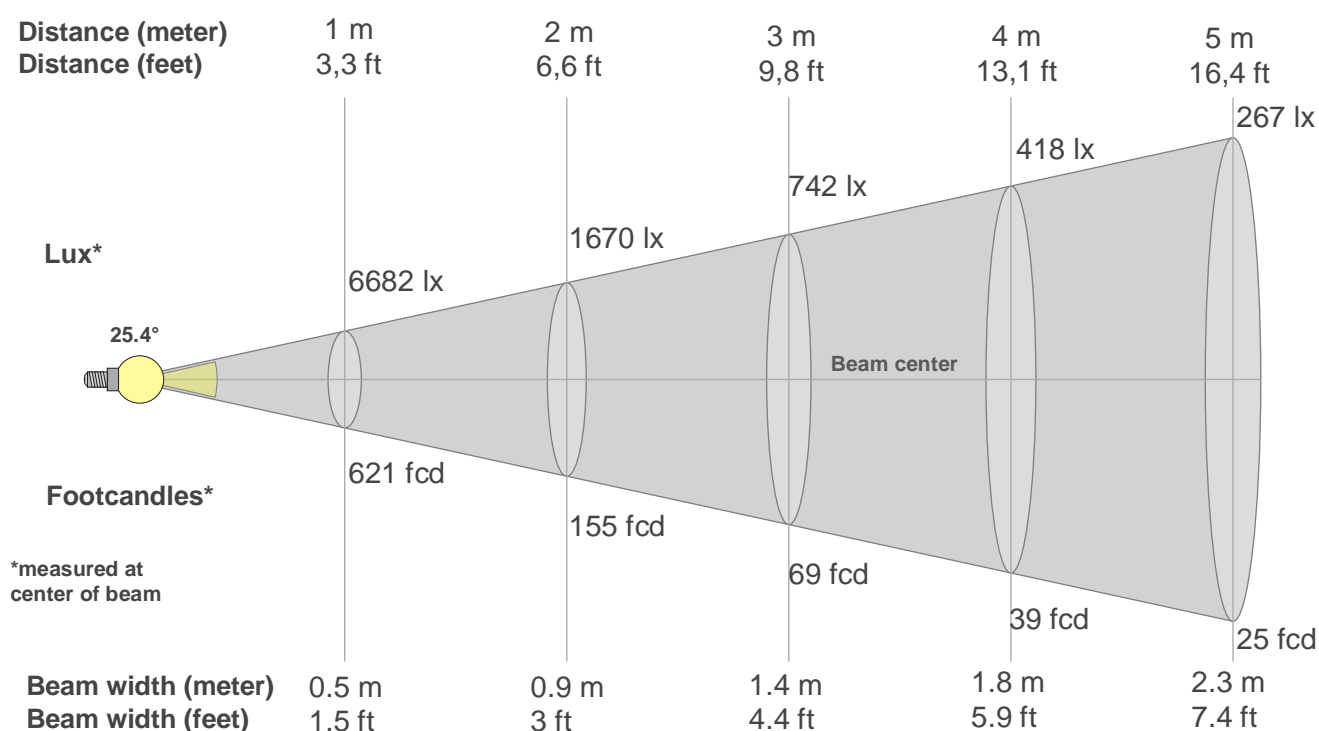
Rg 101.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-1%	0%
2	94	0%	-2%
3	91	0%	-3%
4	94	-2%	-3%
5	94	-2%	3%
6	90	3%	7%
7	94	3%	2%
8	88	8%	1%
9	92	4%	-2%
10	91	2%	-5%
11	91	3%	-6%
12	87	2%	-9%
13	83	1%	-17%
14	87	0%	-9%
15	94	-2%	-2%
16	91	-2%	-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
6682lx	1670lx	742lx	418lx	267lx	186lx	136lx	104lx	82lx	67lx	55lx	46lx	40lx	34lx	30lx	26lx	23lx	21lx	19lx	17lx
620.8fcd	155.2fcd	69fcd	38.8fcd	24.8fcd	17.2fcd	12.7fcd	9.7fcd	7.7fcd	6.2fcd	5.1fcd	4.3fcd	3.7fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.6fcd

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°
6682	6702	6255	5808	5156	4394	3638	2917	2195	1644	1183	761	558	355	241	175	115	94	73	61
100%	100%	94%	87%	77%	66%	54%	44%	33%	25%	18%	11%	8%	5%	4%	3%	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°
6682	6702	6255	5808	5156	4394	3638	2917	2195	1644	1183	761	558	355	241	175	115	94	73	61
100%	100%	94%	87%	77%	66%	54%	44%	33%	25%	18%	11%	8%	5%	4%	3%	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°
6682	6580	6308	5723	5139	4408	3650	2937	2305	1673	1259	883	582	420	258	187	132	90	72	55
100%	98%	94%	86%	77%	66%	55%	44%	34%	25%	19%	13%	9%	6%	4%	3%	2%	1%	1%	1%

Intensities in 270° c-plane

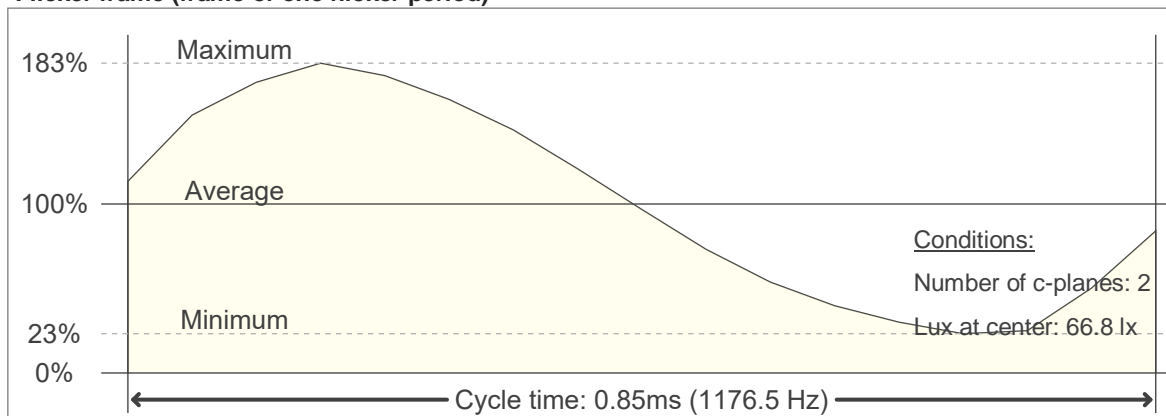
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6682	6580	6308	5723	5139	4408	3650	2937	2305	1673	1259	883	582	420	258	187	132	90	72	55
100%	98%	94%	86%	77%	66%	55%	44%	34%	25%	19%	13%	9%	6%	4%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.4°	45.9°	60.8°	99.3%	97.5%

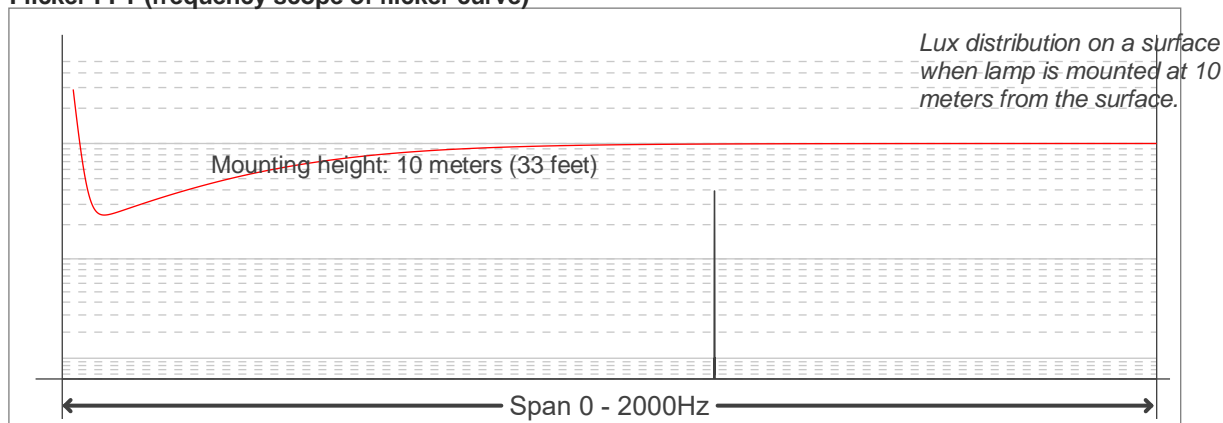
Flicker

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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