

Light efficiency:



Light quality:



Color temperature:



Output: 2064 lm

Peak: 19786 cd

Power: 57.7 W

PF: 0.98



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

Item number:

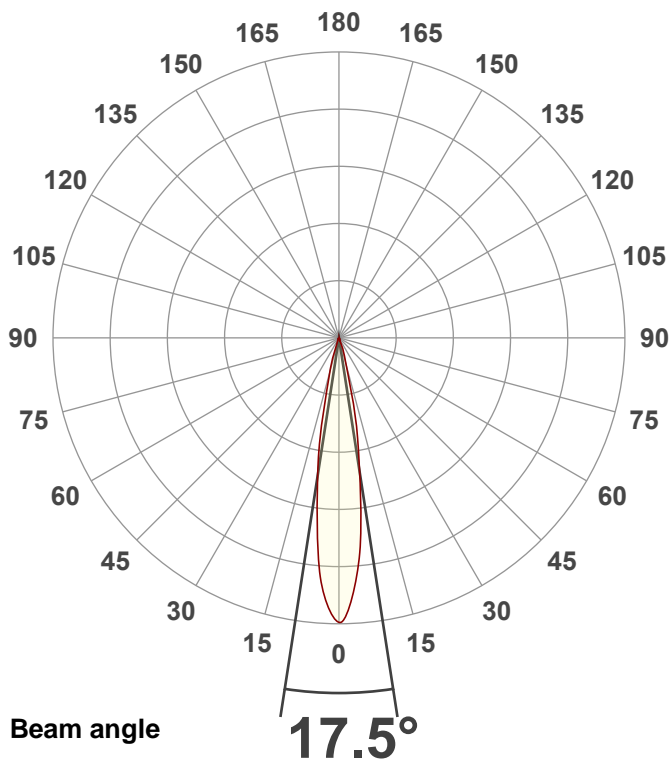
2300K No Diffusion

Date and time:

8/30/2024 9:55:04 AM

Description:

@ 3

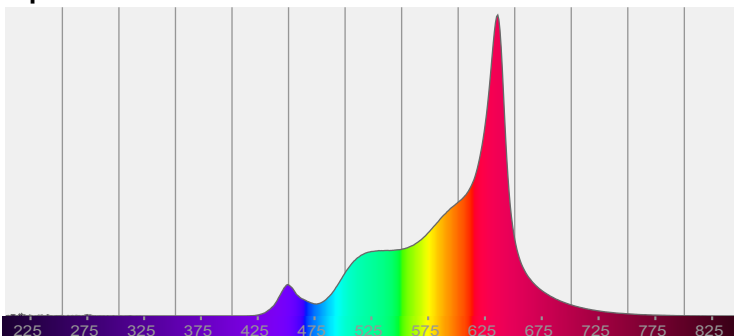


CIE 1931

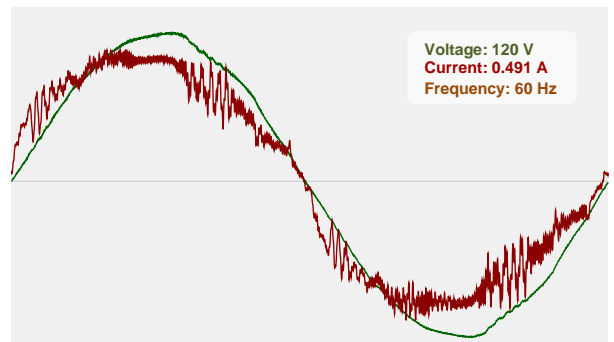
x: 0.494

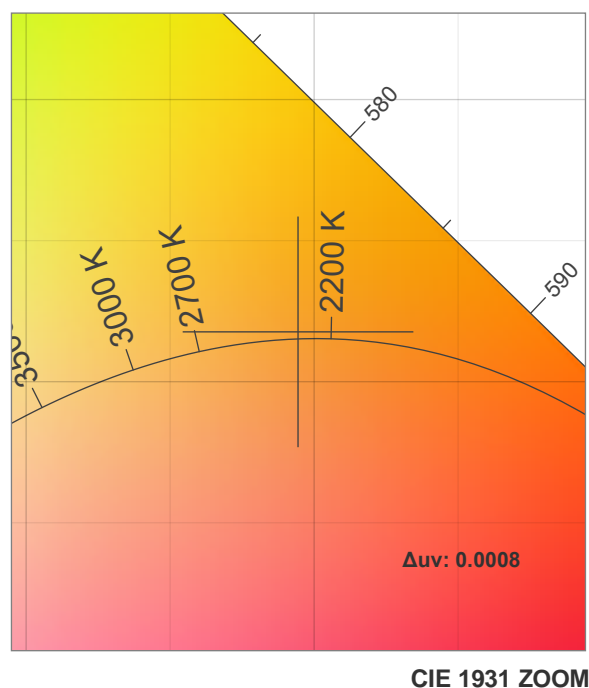
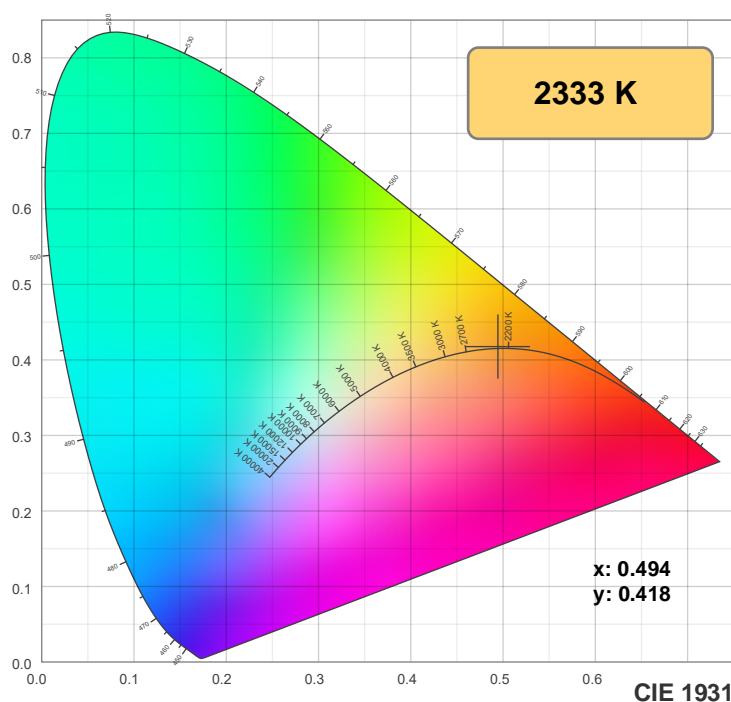
y: 0.418

Spectra

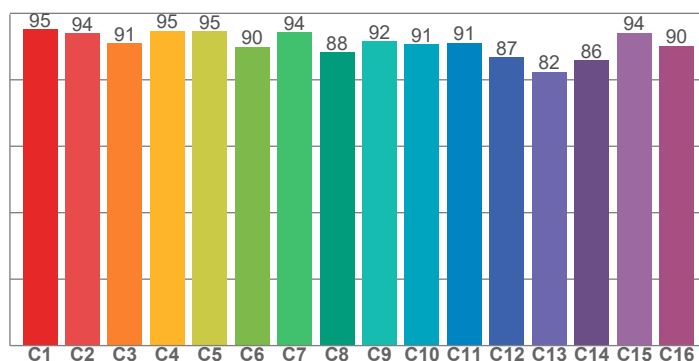


Power

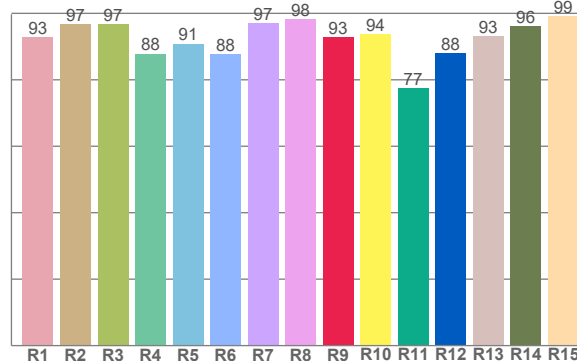




TM-30: 91.6



CRI: 93.5 (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
92.9	96.8	96.7	87.8	90.9	87.7	97.0	98.2	92.9	93.8	77.4	88.0	93.2	96.1	99.1

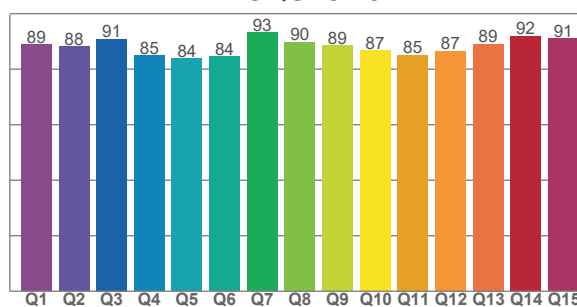
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.2	94.0	91.1	94.7	94.6	89.9	94.3	88.3	91.6	90.7	91.1	86.8	82.4	85.9	94.1	90.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.8	88.1	90.8	85.0	83.8	84.5	93.3	89.8	88.6	86.7	85.2	86.6	89.2	92.0	91.0

CQS: 87.6



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
2333 K	93.5	92.9	91.6	102.0	87.6	0.494	0.418	0.282	0.357	0.0008

TM-30 details

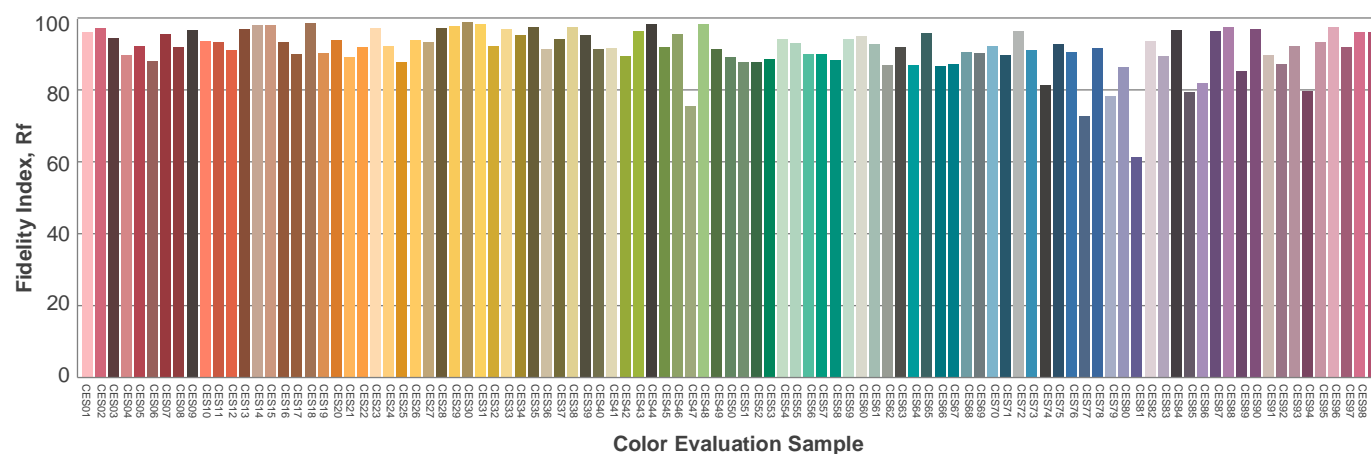
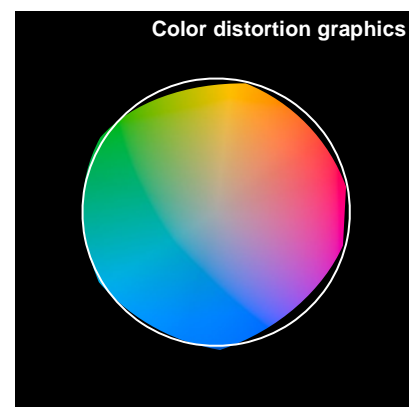
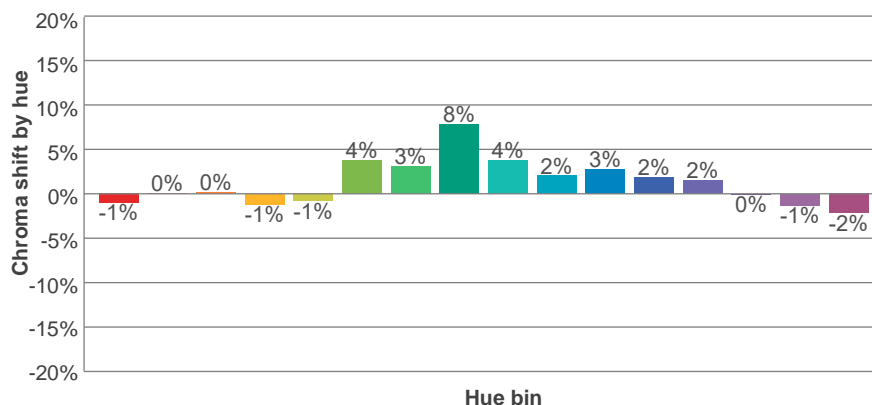
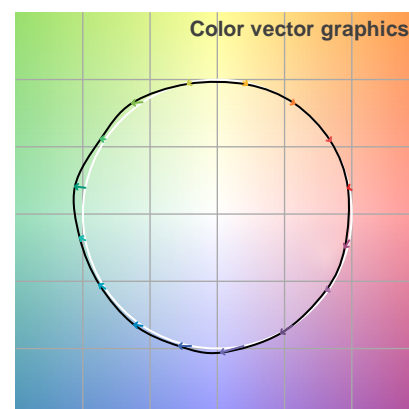
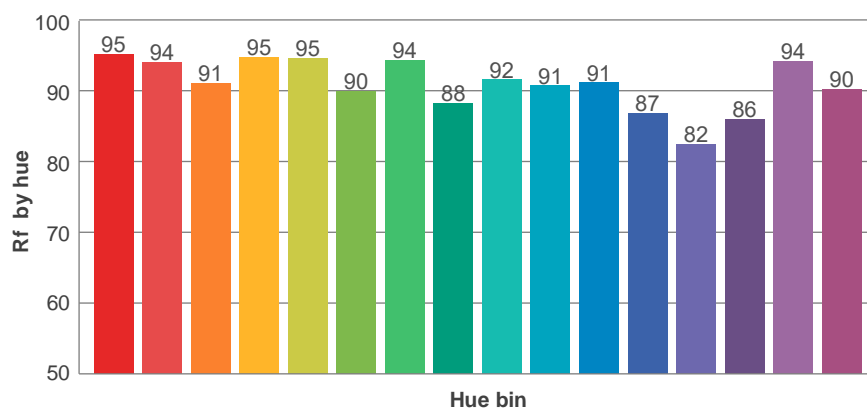
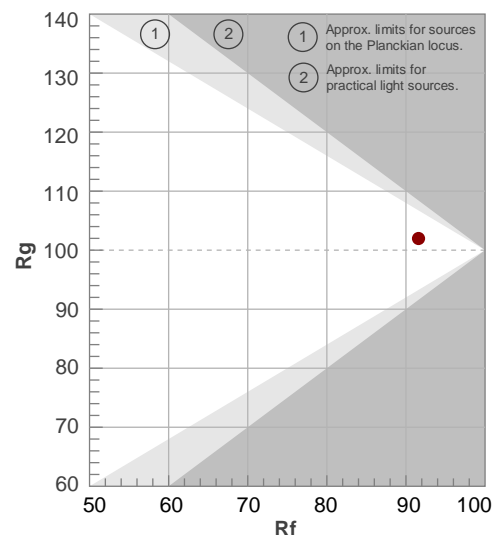
Rf 91.6

Fidelity index Rf

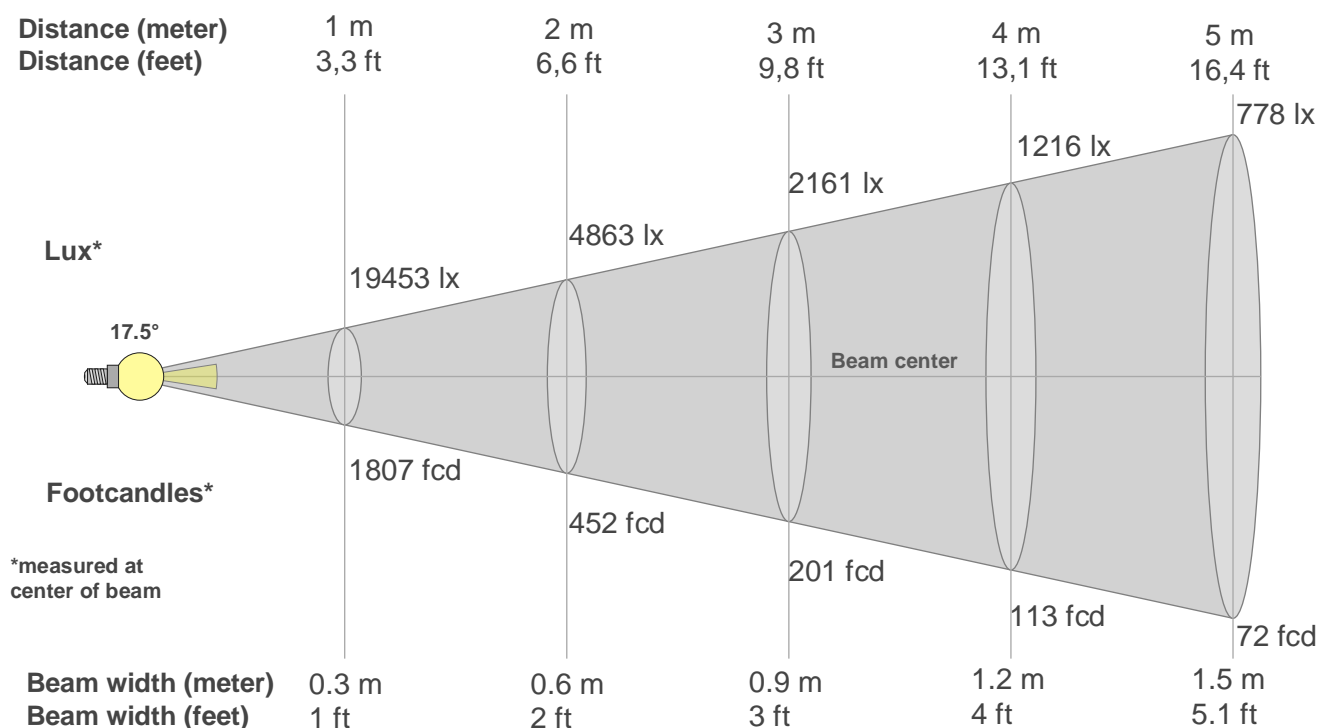
Rg 102.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-1%	0%
2	94	0%	-2%
3	91	0%	-2%
4	95	-1%	-3%
5	95	-1%	3%
6	90	4%	7%
7	94	3%	2%
8	88	8%	1%
9	92	4%	-3%
10	91	2%	-5%
11	91	3%	-6%
12	87	2%	-9%
13	82	2%	-17%
14	86	0%	-10%
15	94	-1%	-2%
16	90	-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
19453lx	4863lx	2161lx	1216lx	778lx	540lx	397lx	304lx	240lx	195lx	161lx	135lx	115lx	99lx	86lx	76lx	67lx	60lx	54lx	49lx
1807.3fcd	451.8fcd	200.8fcd	113fcd	72.3fcd	50.2fcd	36.9fcd	28.2fcd	22.3fcd	18.1fcd	14.9fcd	12.6fcd	10.7fcd	9.2fcd	8fcd	7.1fcd	6.3fcd	5.6fcd	5fcd	4.5fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.5K	19.3K	18.4K	17.4K	16.5K	15.5K	14.3K	12.7K	11.1K	9.5K	8.0K	6.6K	5.5K	4.4K	3.4K	2.3K	1.6K	1.3K	1.0K	0.7K
100%	99%	95%	90%	85%	80%	73%	65%	57%	49%	41%	34%	28%	23%	17%	12%	8%	7%	5%	4%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.5K	19.3K	18.4K	17.4K	16.5K	15.5K	14.3K	12.7K	11.1K	9.5K	8.0K	6.6K	5.5K	4.4K	3.4K	2.3K	1.6K	1.3K	1.0K	0.7K
100%	99%	95%	90%	85%	80%	73%	65%	57%	49%	41%	34%	28%	23%	17%	12%	8%	7%	5%	4%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.5K	18.8K	18.2K	17.6K	17.0K	15.8K	14.3K	12.7K	11.1K	9.5K	8.2K	6.9K	5.7K	4.5K	3.2K	2.4K	2.0K	1.6K	1.1K	0.7K
100%	97%	94%	91%	87%	81%	73%	65%	57%	49%	42%	36%	29%	23%	17%	13%	10%	8%	6%	3%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
19.5K	18.8K	18.2K	17.6K	17.0K	15.8K	14.3K	12.7K	11.1K	9.5K	8.2K	6.9K	5.7K	4.5K	3.2K	2.4K	2.0K	1.6K	1.1K	0.7K
100%	97%	94%	91%	87%	81%	73%	65%	57%	49%	42%	36%	29%	23%	17%	13%	10%	8%	6%	3%

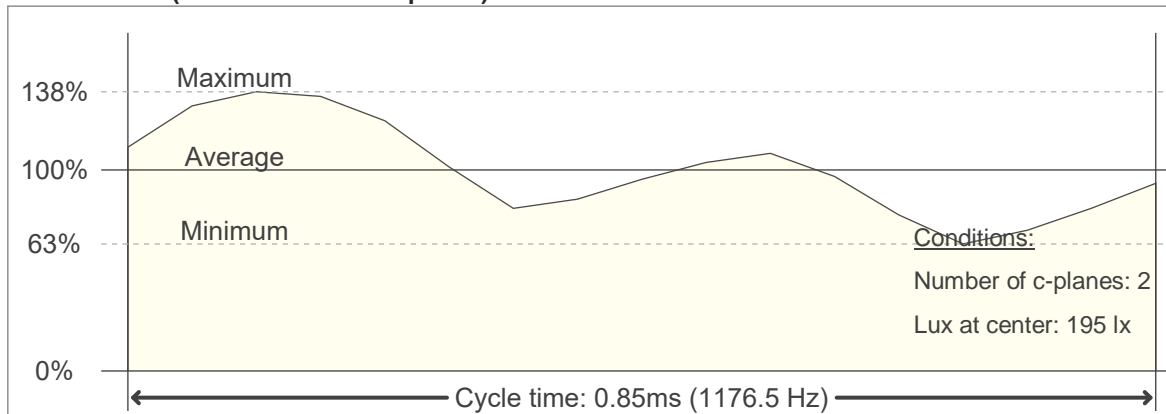
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.5°	31.3°	39.1°	99.9%	99.4%

Flicker

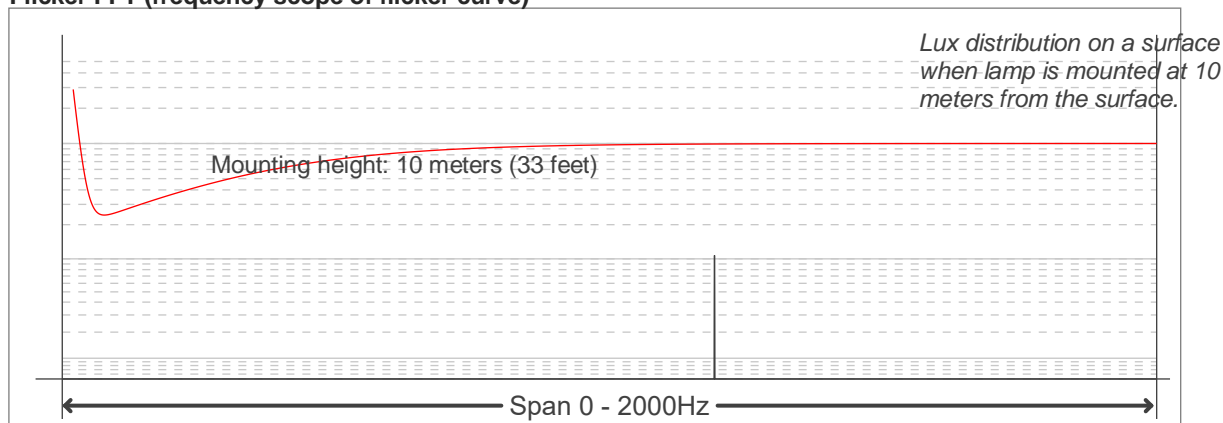
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.09	JA8/10 40Hz	0.41 %
Flicker percentage:	42.4 %	JA8/10 90Hz	0.92 %
SVM: (Visual flicker)	0.22	JA8/10 200Hz	2 %
PstLM	0.05	JA8/10 400Hz	3.91 %
Mp	0.08	JA8/10 1000Hz	9.4 %

Flicker conditions:

Sample rate:	20000 samples/second
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