

Light efficiency:



Light quality:



Color temperature:



Output: 611 lm

Peak: 16001 cd

Power: 33.7 W

PF: 0.94



Tracking number: [n/a](#)

Product name:

ElectraPix Par 7

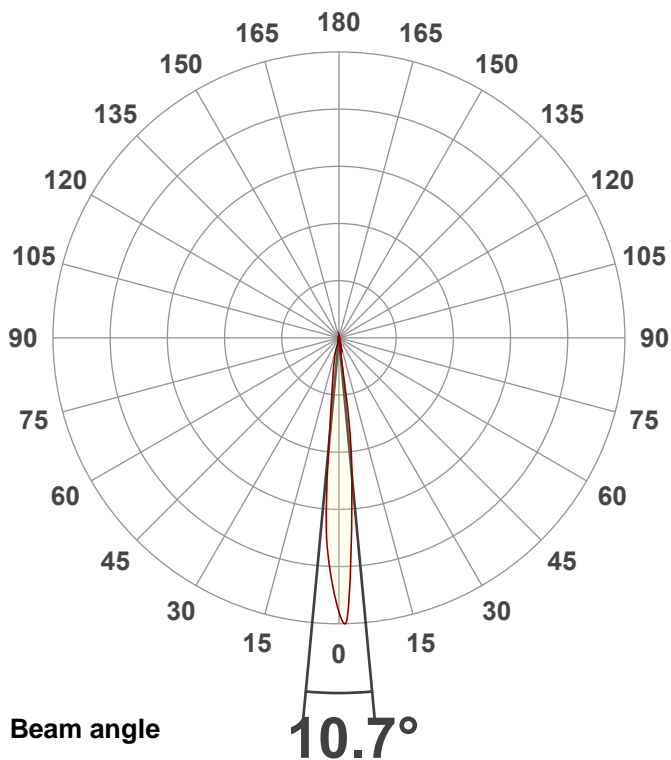
Item number:

Amber

Date and time:

9/4/2024 3:21:45 PM

Description:

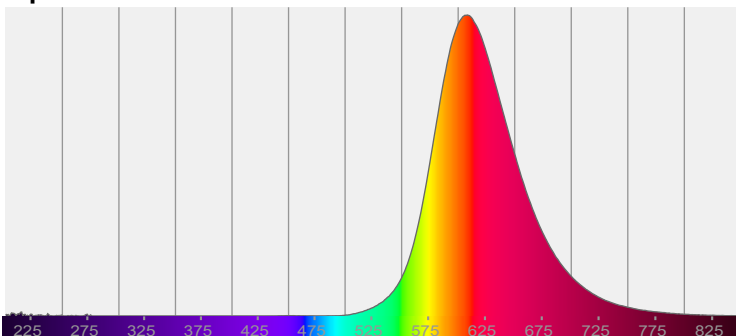


CIE 1931

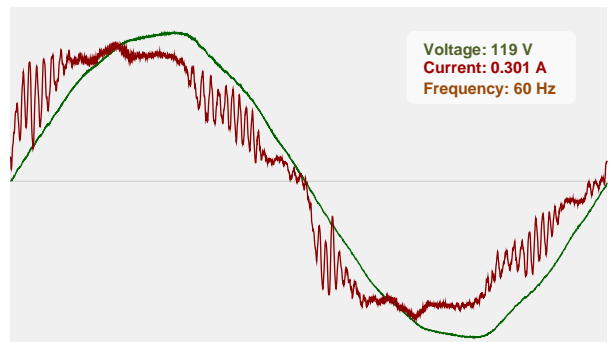
x: 0.597

y: 0.401

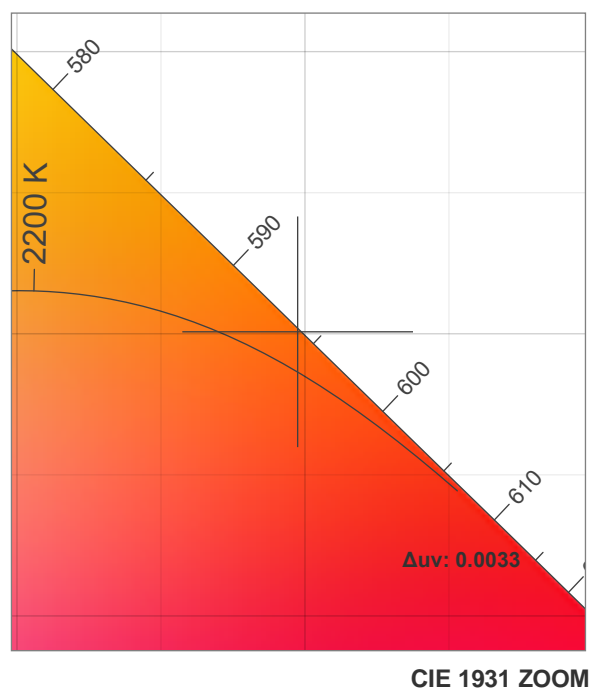
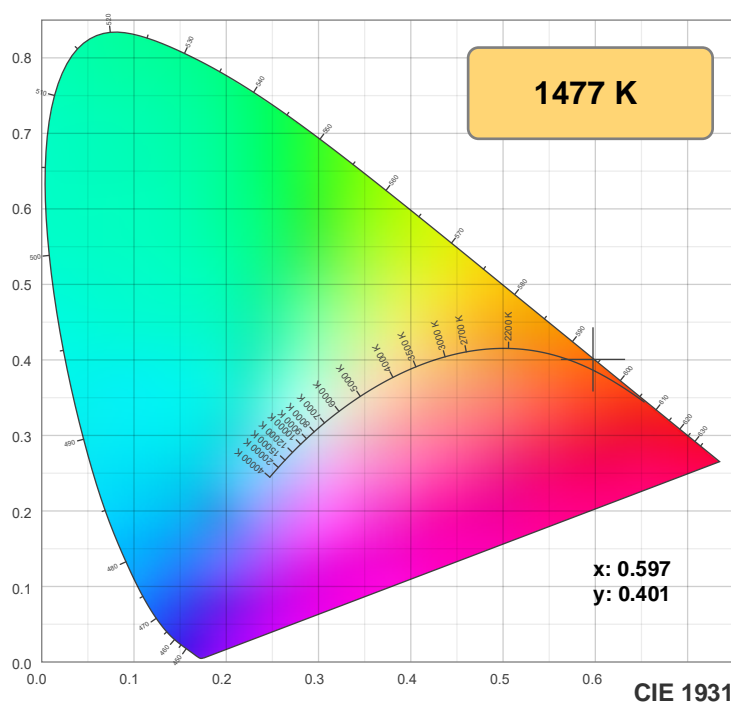
Spectra



Power

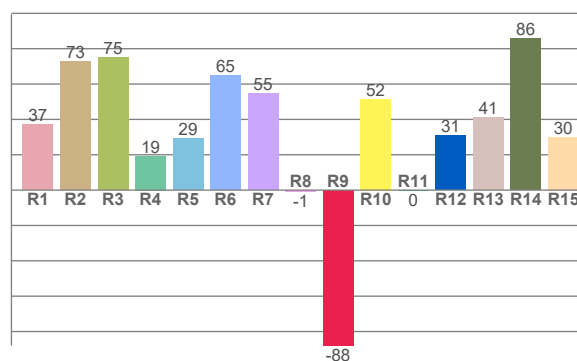
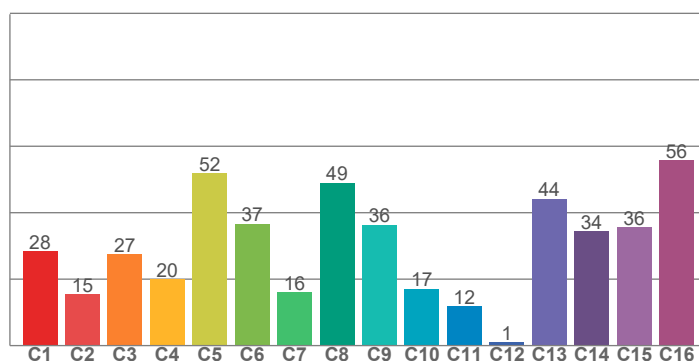


Color details



TM-30: 29.0

CRI: 44.0 (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
37.2	72.8	74.9	19.3	29.2	64.9	54.9	-0.9	-88.0	51.5	-0.5	30.9	41.1	85.9	30.0

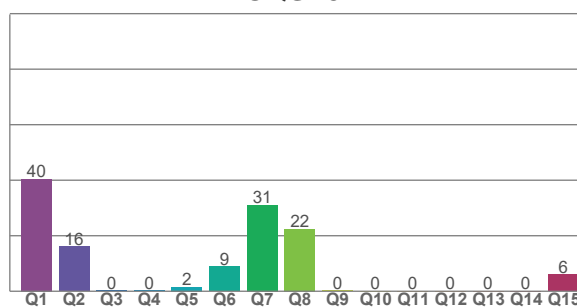
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
28.4	15.5	27.5	19.9	51.8	36.7	16.0	49.0	36.4	17.1	11.9	1.1	44.2	34.4	35.6	55.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
40.4	16.2	0.2	0.2	1.6	8.9	31.0	22.4	0.2	0.0	0.0	0.0	0.0	0.0	6.0

CQS: 0.2



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
1477 K	44.0	-88.0	29.0	15.1	0.2	0.597	0.401	0.361	0.364	0.0033

TM-30 details

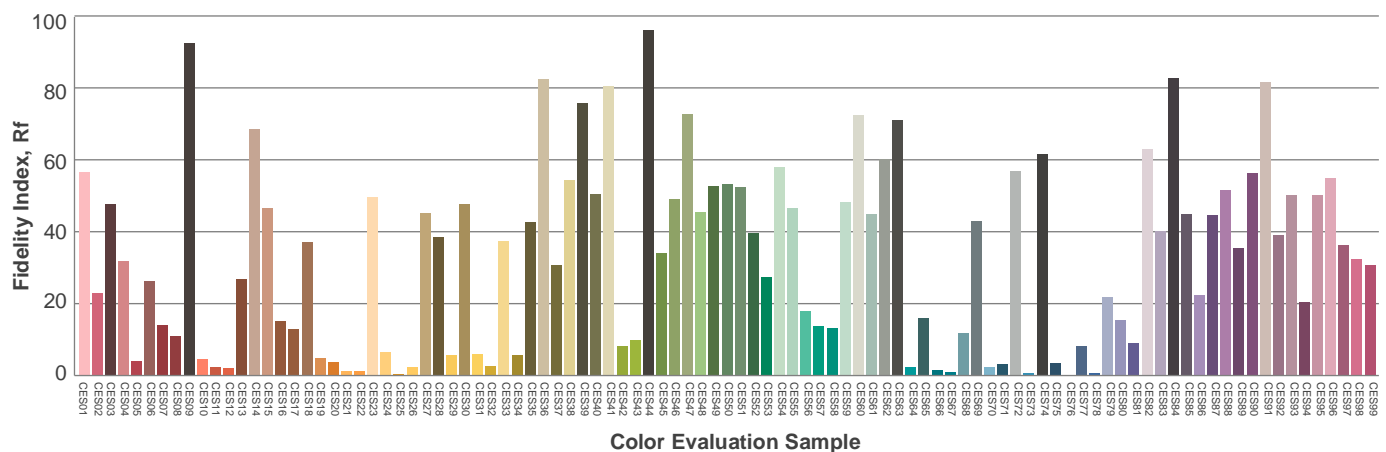
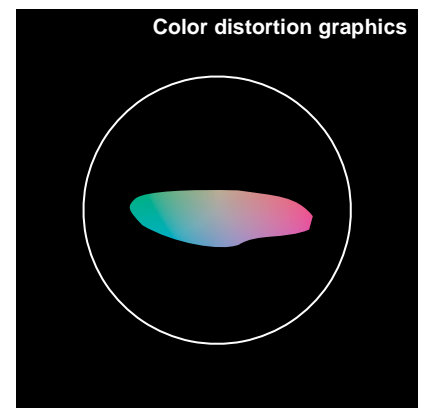
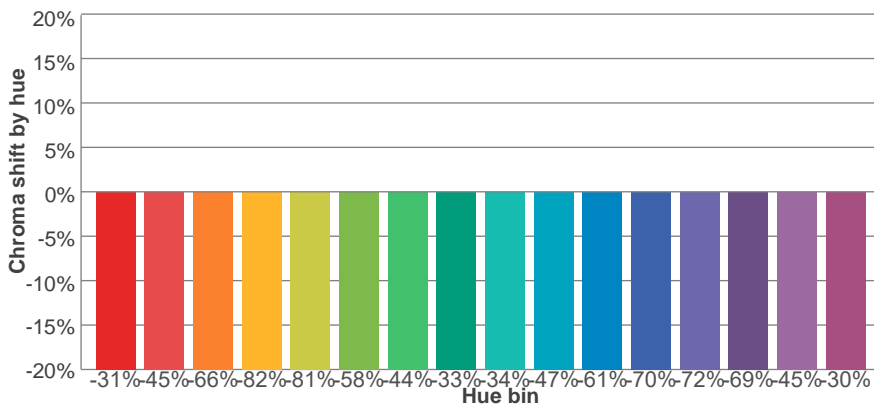
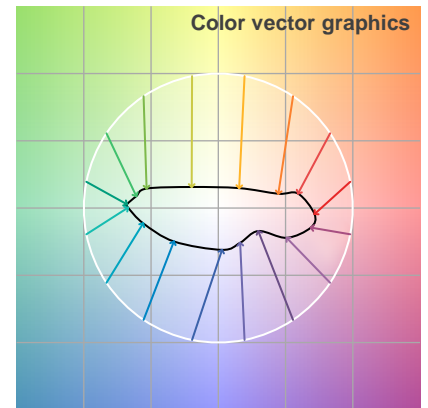
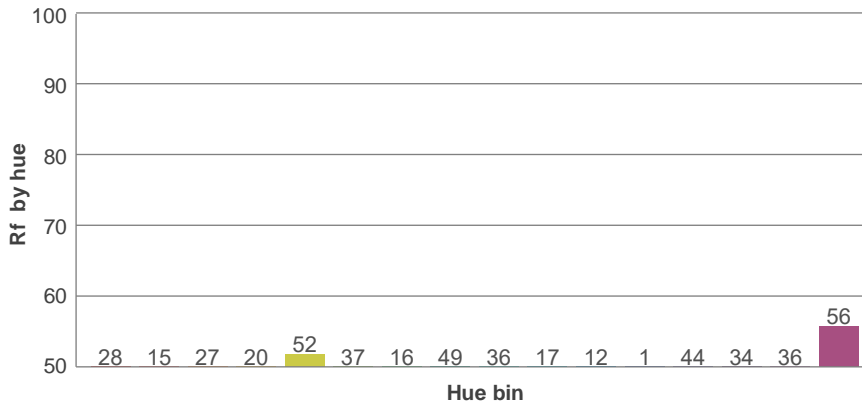
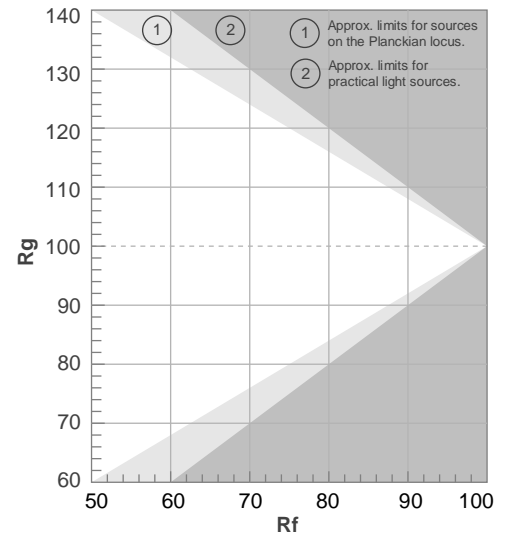
Rf 29.0

Fidelity index Rf

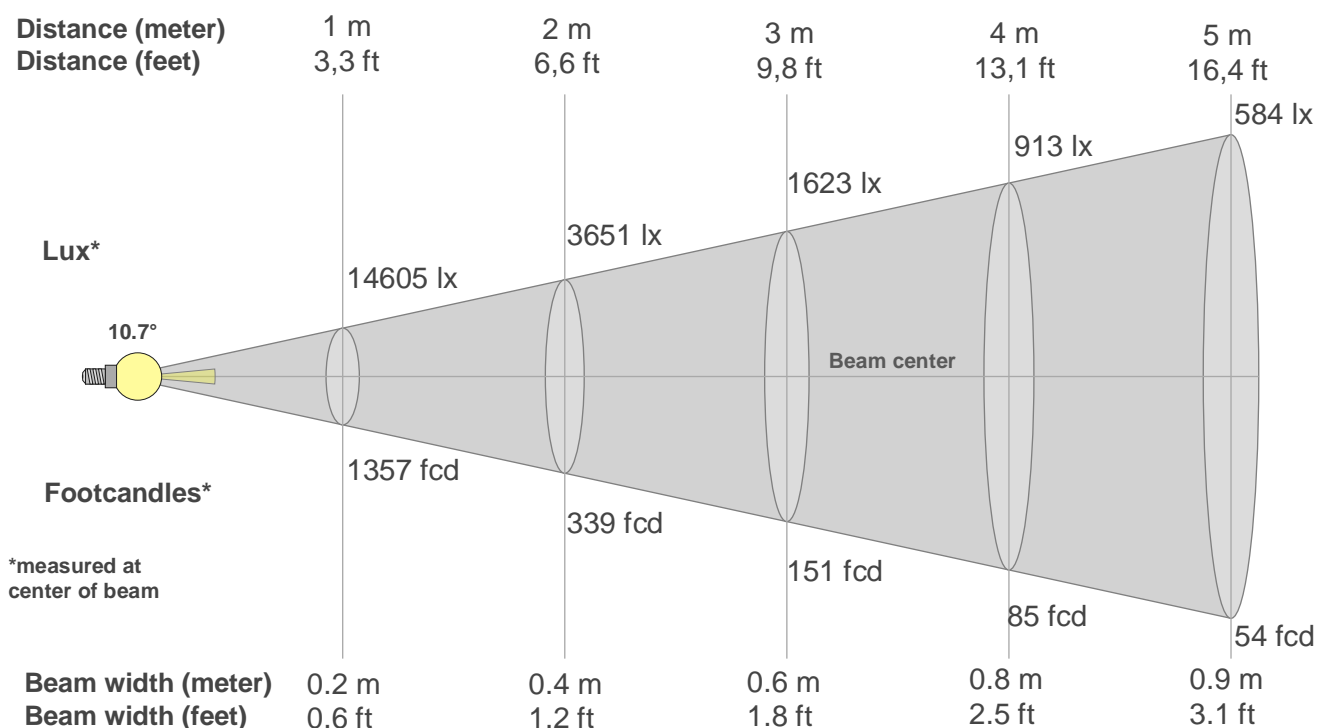
Rg 15.1

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	28	-31%	-18%
2	15	-45%	-24%
3	27	-66%	-31%
4	20	-82%	-12%
5	52	-81%	16%
6	37	-58%	36%
7	16	-44%	27%
8	49	-33%	11%
9	36	-34%	-13%
10	17	-47%	-22%
11	12	-61%	-14%
12	1	-70%	9%
13	44	-72%	11%
14	34	-69%	15%
15	36	-45%	10%
16	56	-30%	-1%



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
14605lx	3651lx	1623lx	913lx	584lx	406lx	298lx	228lx	180lx	146lx	121lx	101lx	86lx	75lx	65lx	57lx	51lx	45lx	40lx	37lx
1356.9fcd	339.2fcd	150.8fcd	84.8fcd	54.3fcd	37.7fcd	27.7fcd	21.2fcd	16.8fcd	13.6fcd	11.2fcd	9.4fcd	8fcd	6.9fcd	6fcd	5.3fcd	4.7fcd	4.2fcd	3.8fcd	3.4fcd

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°
14.6K	15.5K	15.0K	12.9K	10.8K	8.7K	6.5K	3.8K	1.0K	0.2K	0.5K	0.7K	0.8K	0.6K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	106%	102%	88%	74%	60%	45%	26%	7%	2%	3%	5%	5%	4%	3%	2%	1%	1%	1%	1%

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°
14.6K	15.5K	15.0K	12.9K	10.8K	8.7K	6.5K	3.8K	1.0K	0.2K	0.5K	0.7K	0.8K	0.6K	0.5K	0.3K	0.2K	0.1K	0.1K	0.1K
100%	106%	102%	88%	74%	60%	45%	26%	7%	2%	3%	5%	5%	4%	3%	2%	1%	1%	1%	1%

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°
14.6K	13.7K	12.7K	11.8K	10.4K	8.6K	6.8K	5.0K	3.2K	2.1K	1.7K	1.3K	0.9K	0.5K	0.2K	0.2K	0.2K	0.1K	0.1K	0.1K
100%	94%	87%	81%	72%	59%	47%	35%	22%	15%	12%	9%	6%	3%	2%	1%	1%	1%	1%	0%

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°
14.6K	13.7K	12.7K	11.8K	10.4K	8.6K	6.8K	5.0K	3.2K	2.1K	1.7K	1.3K	0.9K	0.5K	0.2K	0.2K	0.2K	0.1K	0.1K	0.1K
100%	94%	87%	81%	72%	59%	47%	35%	22%	15%	12%	9%	6%	3%	2%	1%	1%	1%	1%	0%

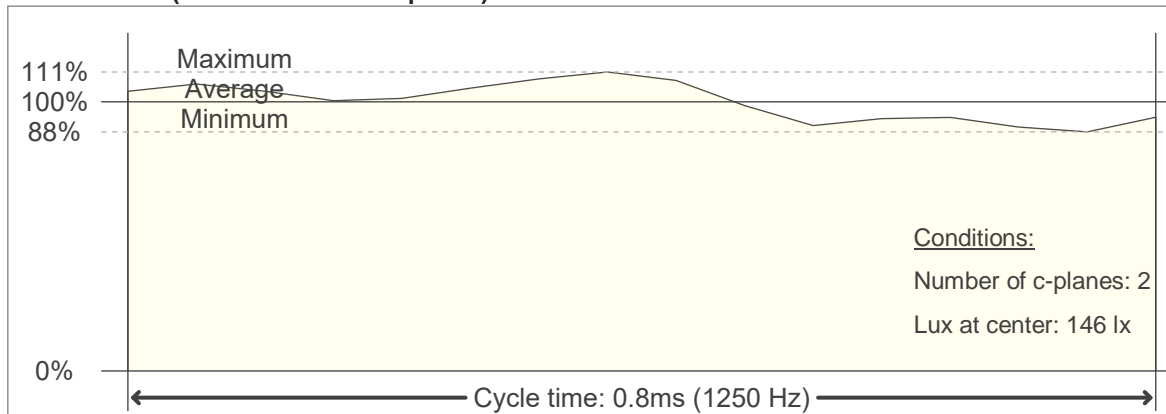
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10.7°	18.1°	27.7°	99.9%	99.7%

Flicker

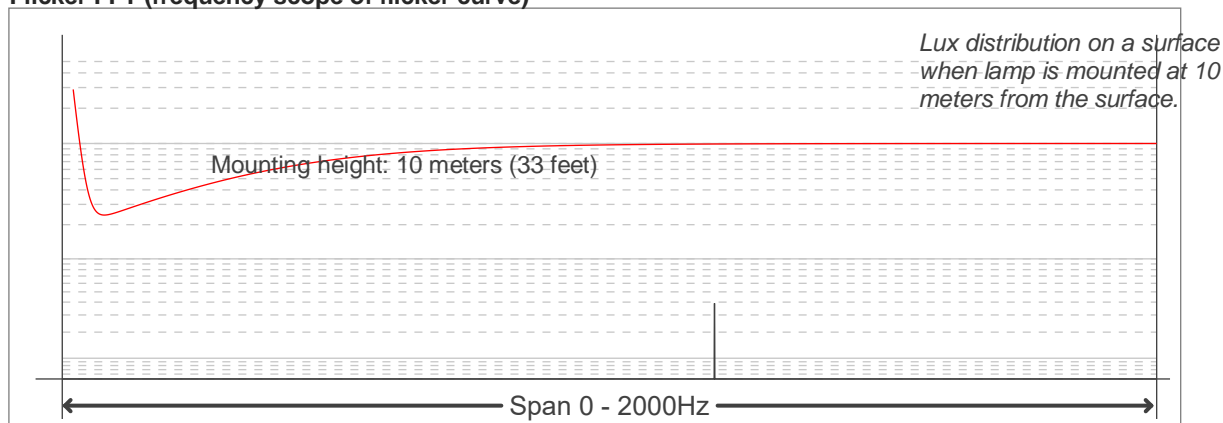
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1250 Hz	
Flicker index:	0.03	JA8/10 40Hz	0.07 %
Flicker percentage:	13.62 %	JA8/10 90Hz	0.13 %
SVM: (Visual flicker)	0.08	JA8/10 200Hz	0.33 %
PstLM	0.02	JA8/10 400Hz	0.61 %
Mp	0.02	JA8/10 1000Hz	1.07 %

Flicker conditions:

Sample rate:	20000 samples/second
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