

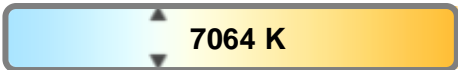
Light efficiency:



Light quality:



Color temperature:



Output: 2335 lm

Peak: 21619 cd

Power: 80.0 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

ElectraPix Bar 16

Item number:

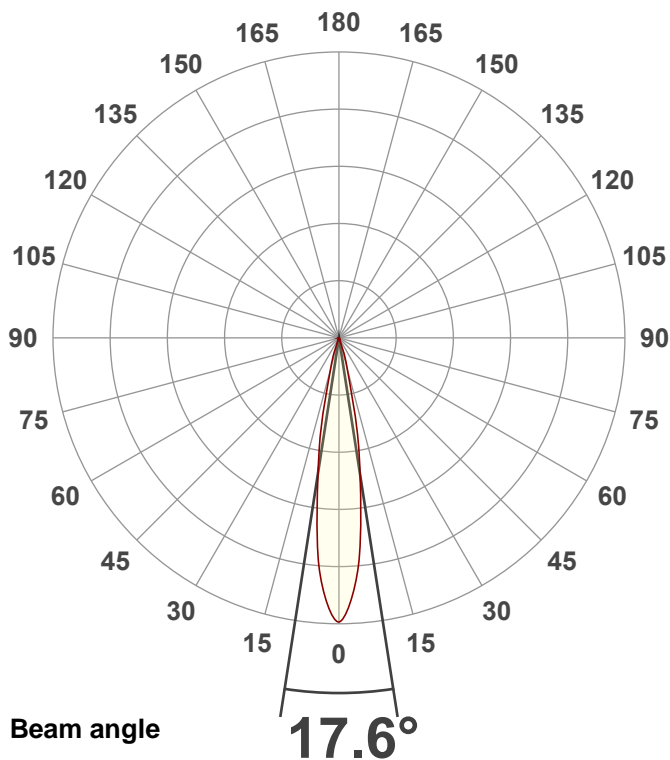
7000K no Diffusion

Date and time:

8/29/2024 3:21:58 PM

Description:

@ 150

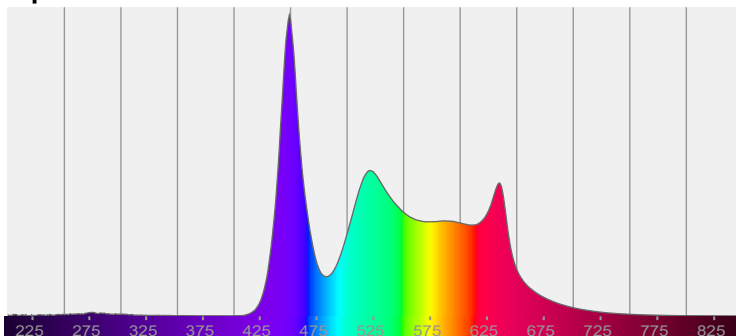


CIE 1931

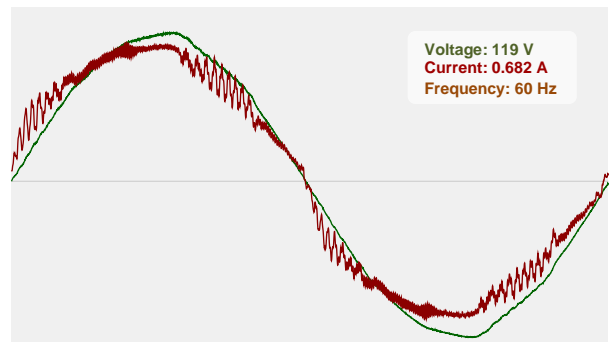
x: 0.306

y: 0.314

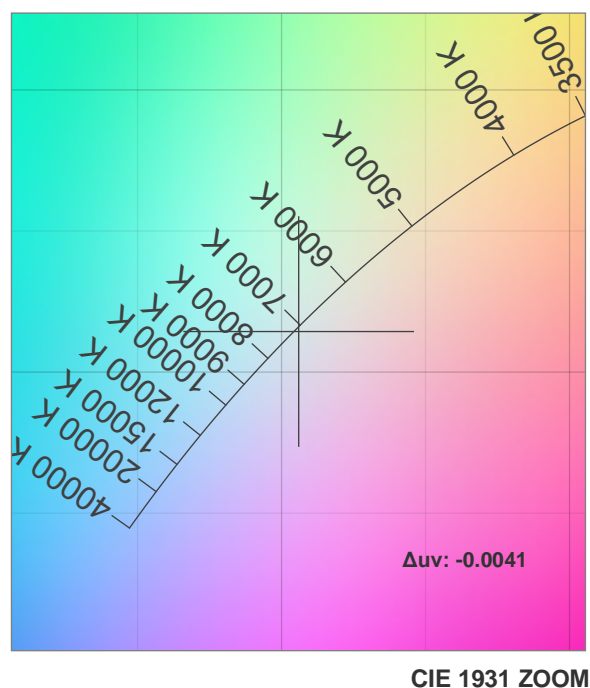
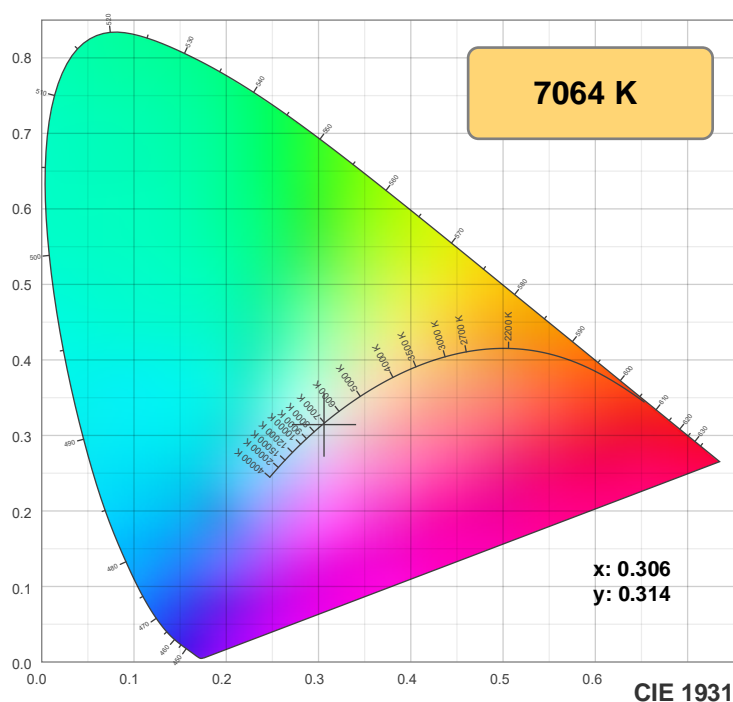
Spectra



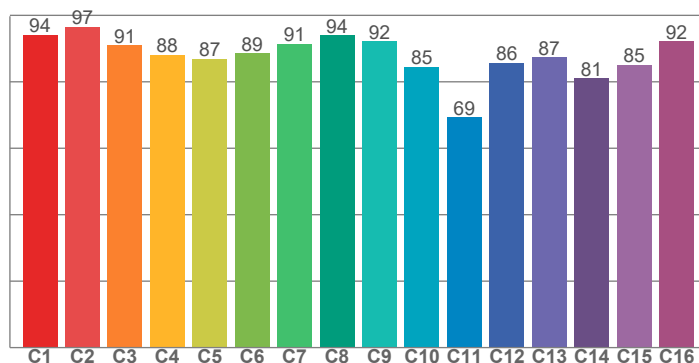
Power



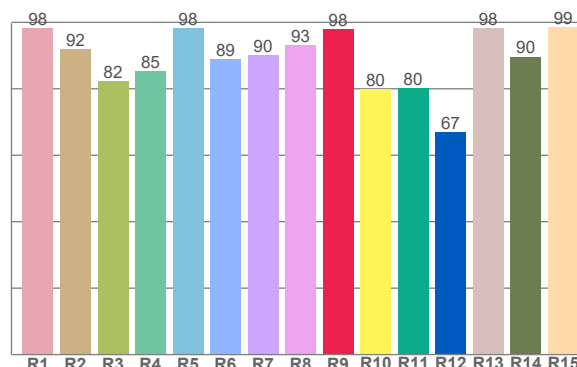
Color details



TM-30: 88.4



CRI: 91.0 (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
98.3	91.8	82.4	85.2	98.2	88.8	90.1	93.2	98.0	79.8	80.1	67.0	98.1	89.7	98.7

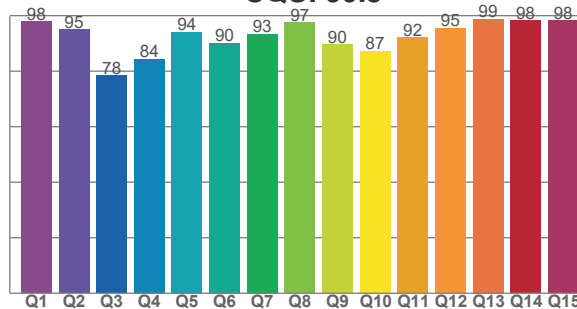
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	96.6	91.0	88.1	86.9	88.6	91.4	94.0	92.2	84.6	69.4	85.7	87.3	81.1	85.2	92.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.0	95.0	78.4	84.3	94.2	90.1	93.3	97.5	89.6	87.2	92.1	95.5	98.9	98.3	98.3

CQS: 90.8



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
7064 K	91.0	98.0	88.4	105.5	90.8	0.306	0.314	0.199	0.306	-0.0041

TM-30 details

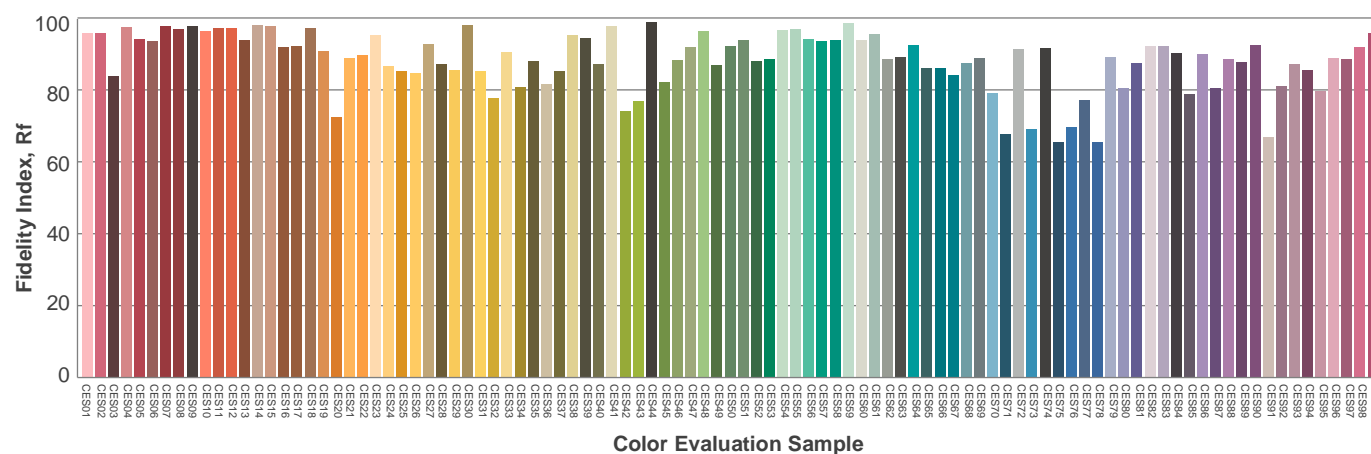
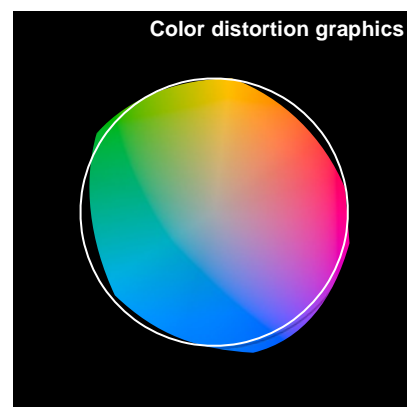
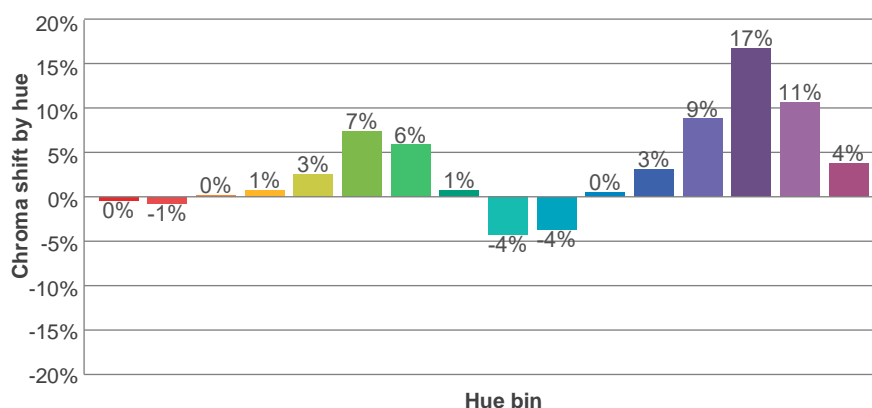
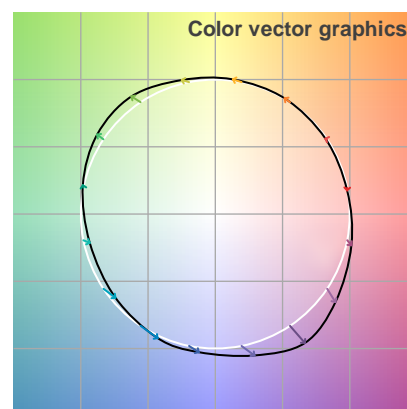
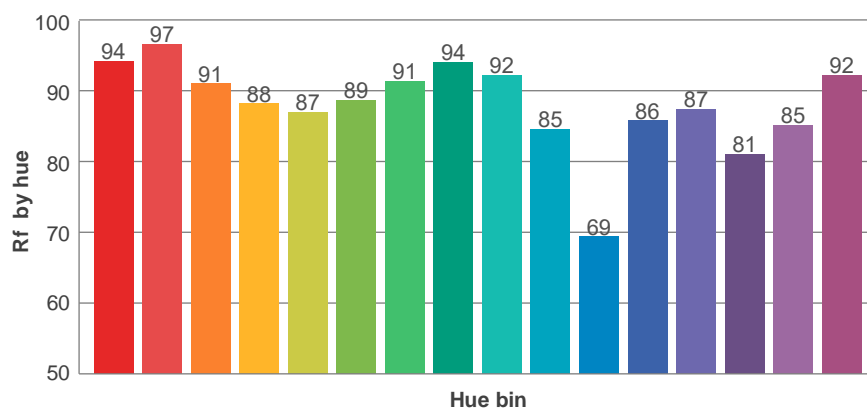
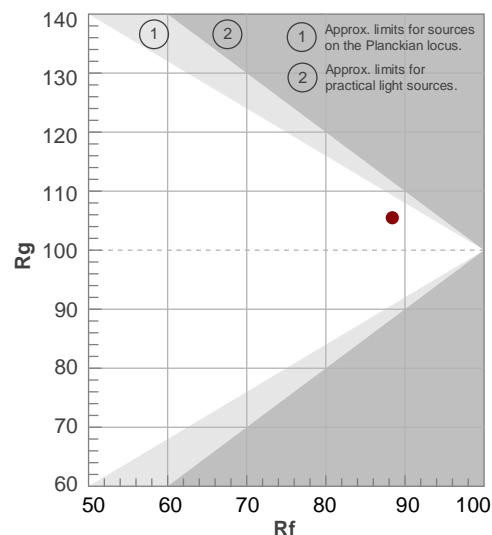
Rf 88.4

Fidelity index Rf

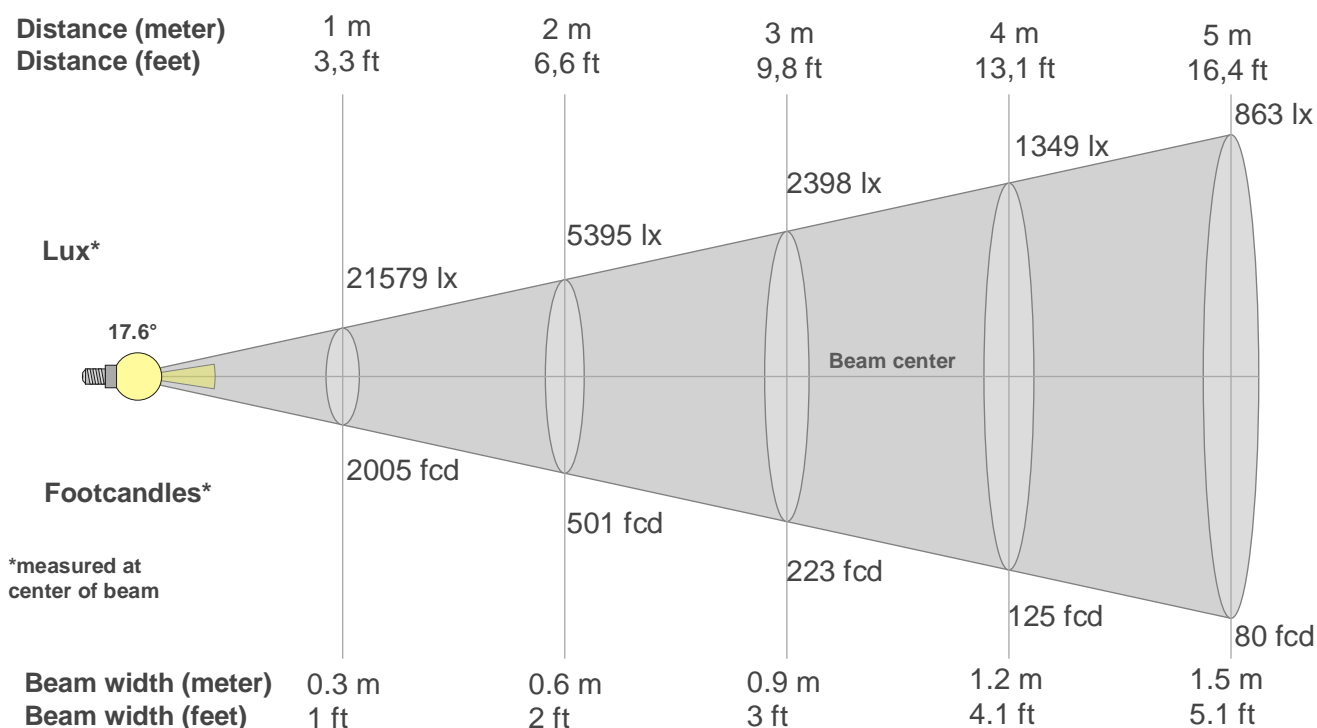
Rg 105.5

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	94	0%	-2%
2	97	-1%	1%
3	91	0%	5%
4	88	1%	7%
5	87	3%	5%
6	89	7%	3%
7	91	6%	0%
8	94	1%	-2%
9	92	-4%	3%
10	85	-4%	10%
11	69	0%	16%
12	86	3%	8%
13	87	9%	8%
14	81	17%	2%
15	85	11%	-5%
16	92	4%	-3%



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
21579lx	5395lx	2398lx	1349lx	863lx	599lx	440lx	337lx	266lx	216lx	178lx	150lx	128lx	110lx	96lx	84lx	75lx	67lx	60lx	54lx
2004.7fcd	501.2fcd	222.7fcd	125.3fcd	80.2fcd	55.7fcd	40.9fcd	31.3fcd	24.7fcd	20fcd	16.6fcd	13.9fcd	11.9fcd	10.2fcd	8.9fcd	7.8fcd	6.9fcd	6.2fcd	5.6fcd	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°
21.6K	20.7K	19.8K	19.0K	18.1K	17.2K	15.5K	13.8K	12.1K	10.5K	8.8K	7.5K	6.2K	4.9K	3.7K	2.4K	2.0K	1.6K	1.2K	0.8K
100%	96%	92%	88%	84%	80%	72%	64%	56%	48%	41%	35%	29%	23%	17%	11%	9%	8%	6%	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°
21.6K	20.7K	19.8K	19.0K	18.1K	17.2K	15.5K	13.8K	12.1K	10.5K	8.8K	7.5K	6.2K	4.9K	3.7K	2.4K	2.0K	1.6K	1.2K	0.8K
100%	96%	92%	88%	84%	80%	72%	64%	56%	48%	41%	35%	29%	23%	17%	11%	9%	8%	6%	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°
21.6K	20.8K	20.0K	19.1K	18.3K	17.4K	15.7K	14.0K	12.2K	10.4K	8.7K	7.4K	6.2K	5.0K	3.7K	2.5K	2.1K	1.7K	1.3K	0.9K
100%	96%	93%	89%	85%	81%	73%	65%	57%	48%	40%	34%	29%	23%	17%	12%	10%	8%	6%	4%

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°
21.6K	20.8K	20.0K	19.1K	18.3K	17.4K	15.7K	14.0K	12.2K	10.4K	8.7K	7.4K	6.2K	5.0K	3.7K	2.5K	2.1K	1.7K	1.3K	0.9K
100%	96%	93%	89%	85%	81%	73%	65%	57%	48%	40%	34%	29%	23%	17%	12%	10%	8%	6%	4%

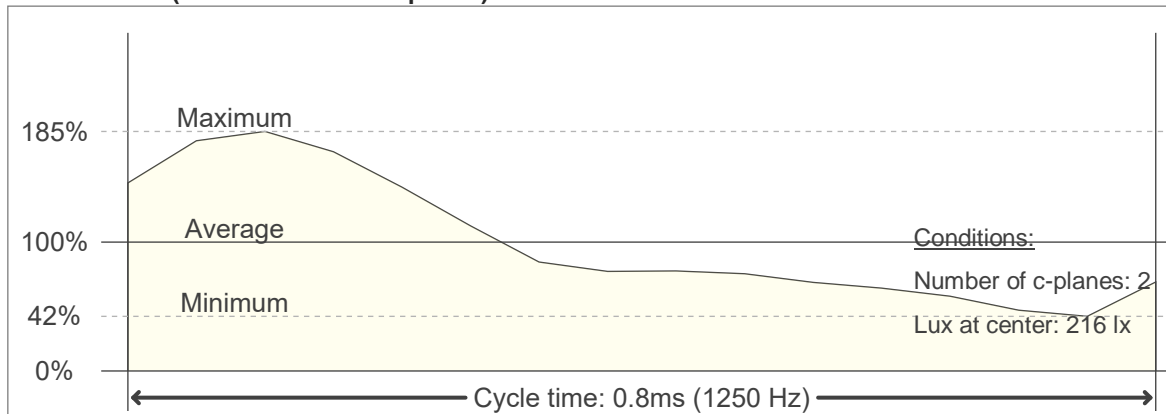
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.6°	31.4°	39.4°	99.7%	98.4%

Flicker

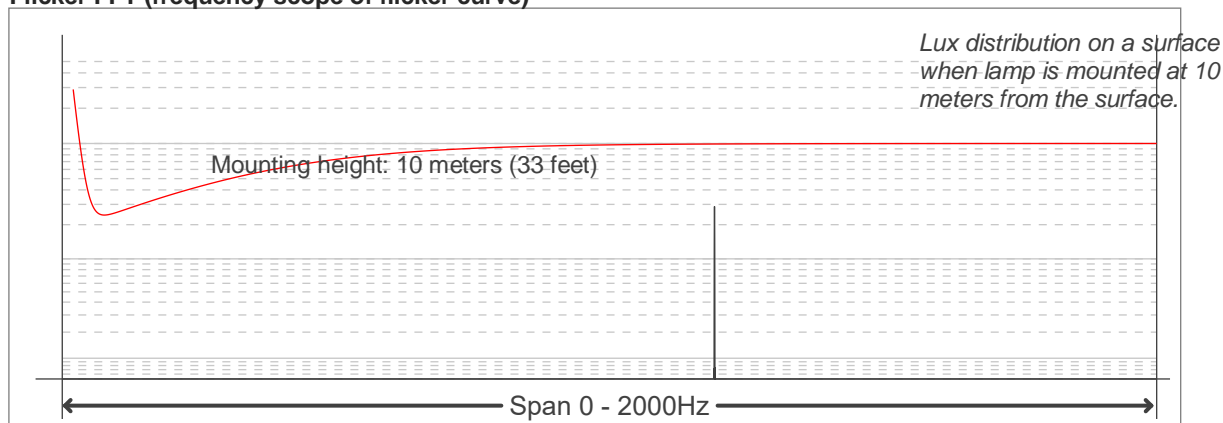
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1250 Hz	
Flicker index:	0.21	JA8/10 40Hz	1.08 %
Flicker percentage:	71.49 %	JA8/10 90Hz	2.39 %
SVM: (Visual flicker)	0.58	JA8/10 200Hz	5.16 %
PstLM	0.05	JA8/10 400Hz	9.82 %
Mp	0.2	JA8/10 1000Hz	21.3 %

Flicker conditions:

Sample rate:	20000 samples/second
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