

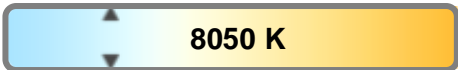
Light efficiency:



Light quality:



Color temperature:



Output: 1706 lm

Peak: 4785956 cd

Power: 148.1 W

PF: 1.0



Tracking number: [n/a](#)

Product name:

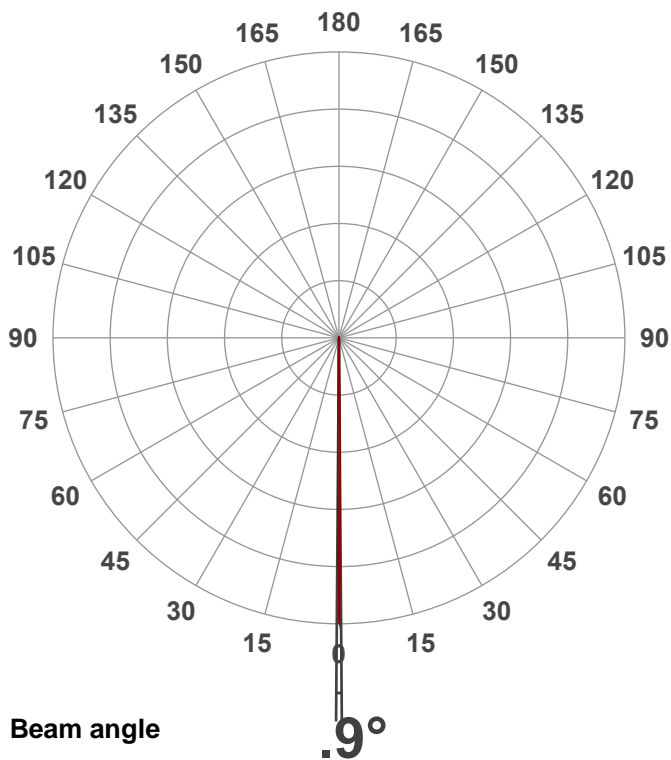
Vizi Beam RX2

Item number:

Date and time:

7/29/2024 4:26:13 PM

Description:

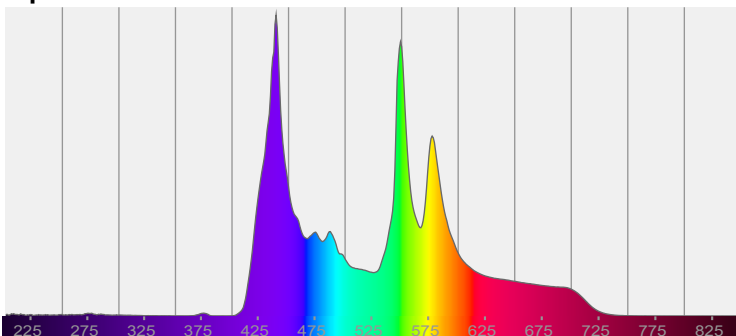


CIE 1931

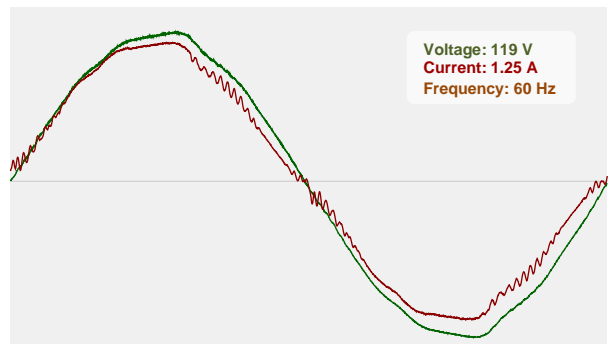
x: 0.295

y: 0.305

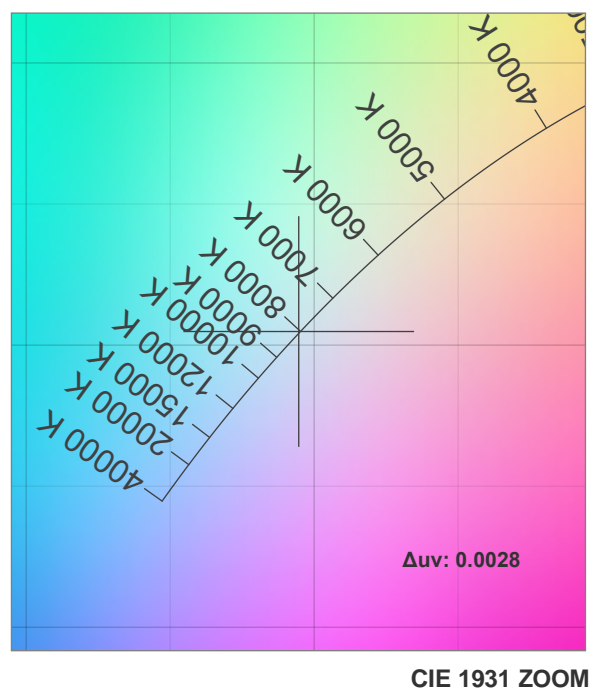
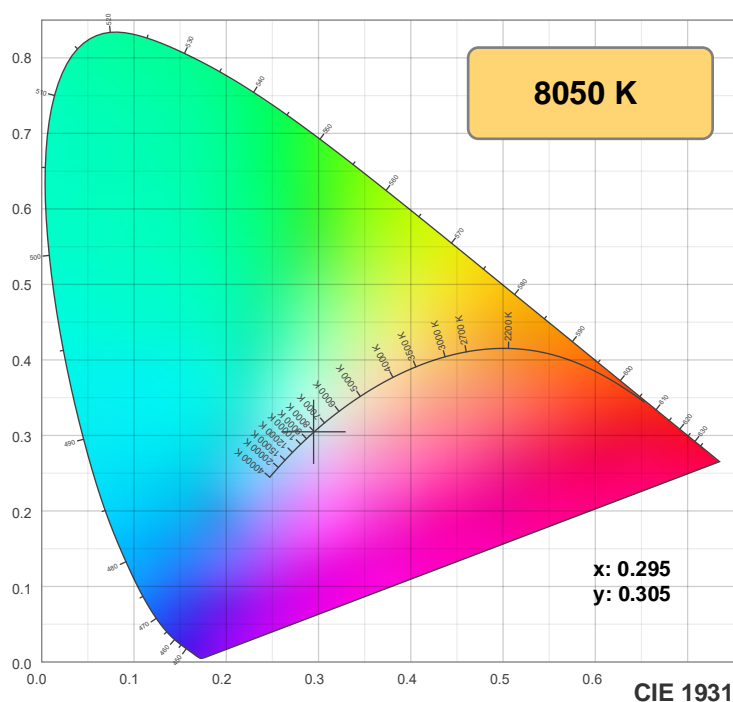
Spectra



Power

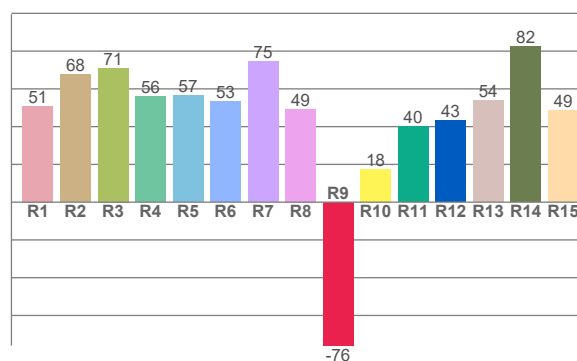
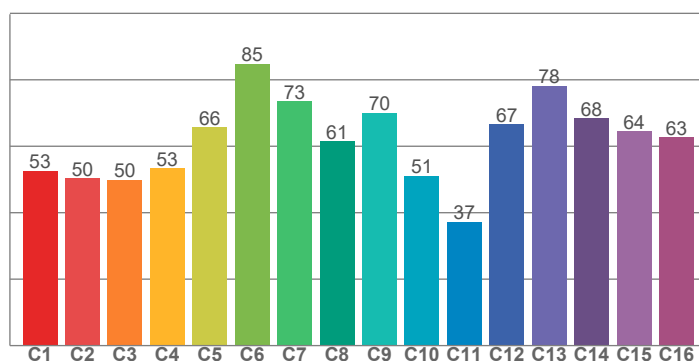


Color details



TM-30: 62.0

CRI: 59.9 (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
50.9	67.5	71.0	55.9	56.6	53.2	74.6	49.3	-76.0	17.5	40.1	43.3	54.0	82.4	48.6

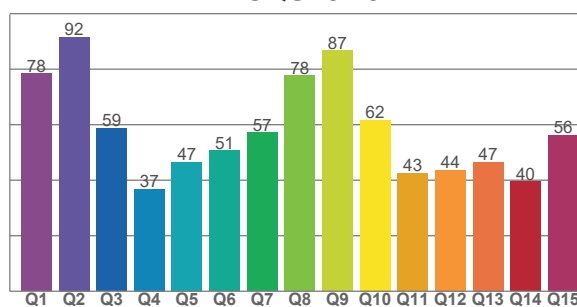
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
52.6	50.4	49.8	53.4	65.6	84.8	73.5	61.5	70.1	51.1	37.2	66.6	78.1	68.4	64.4	62.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.4	91.7	58.7	36.8	46.6	50.6	57.2	77.7	86.8	61.8	42.5	43.6	46.5	39.6	56.3

CQS: 54.9



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
8050 K	59.9	-76.0	62.0	83.2	54.9	0.295	0.305	0.194	0.301	0.0028

TM-30 details

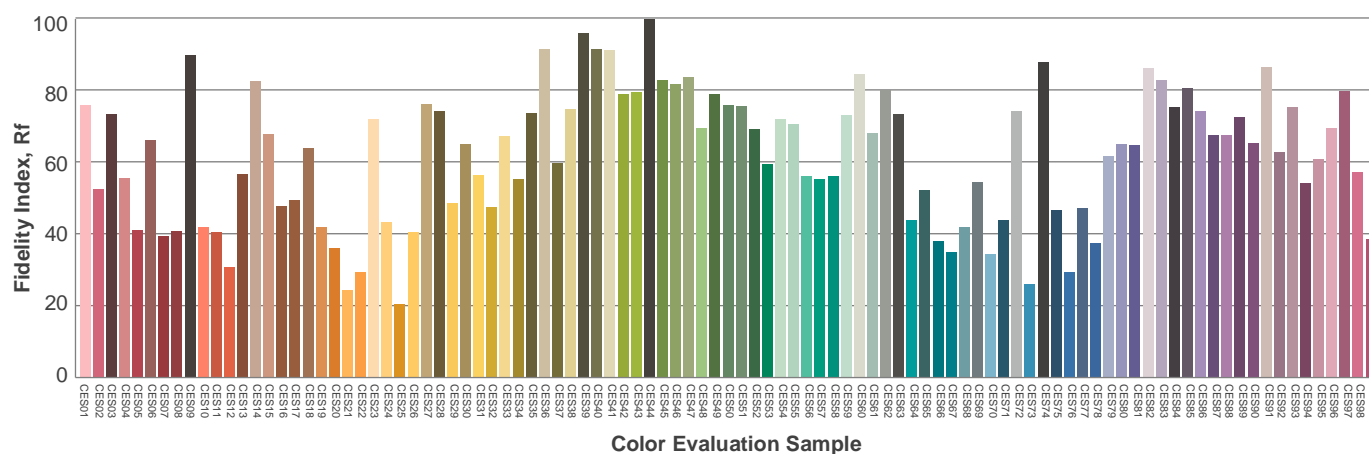
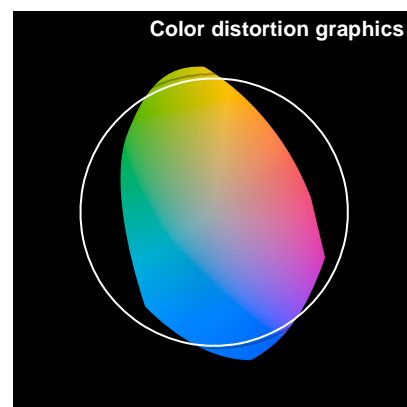
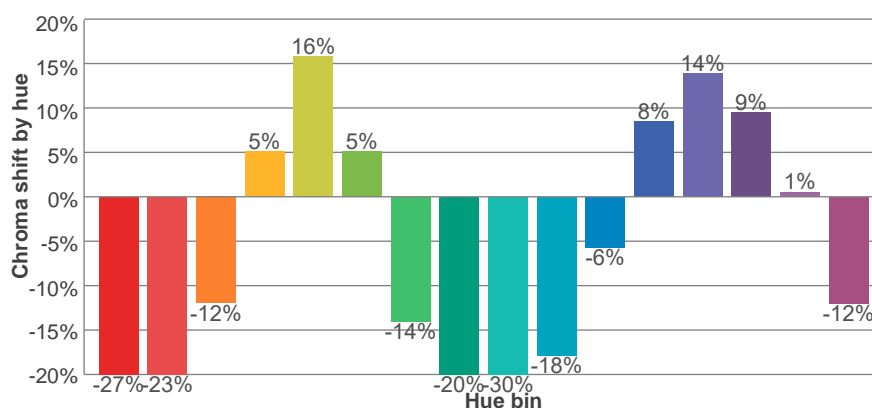
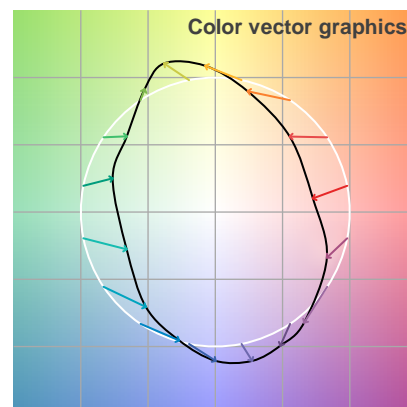
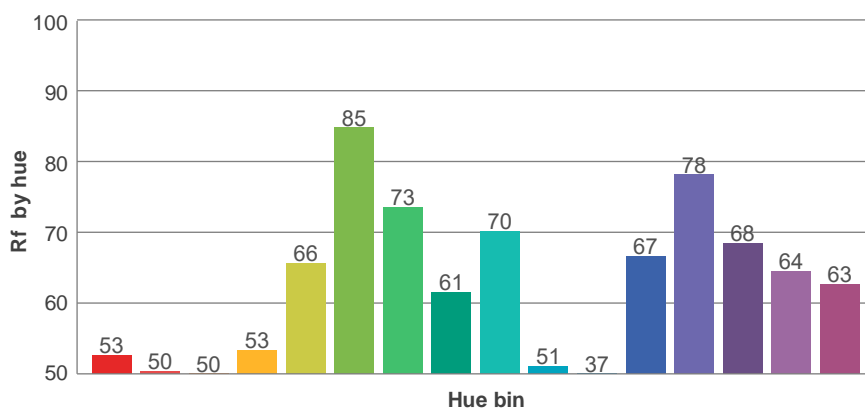
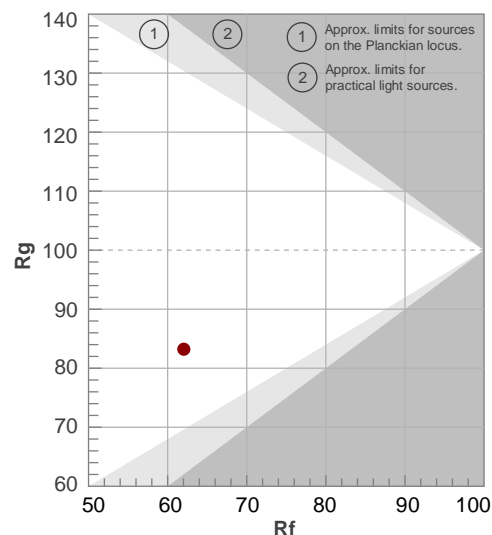
Rf 62.0

Fidelity index Rf

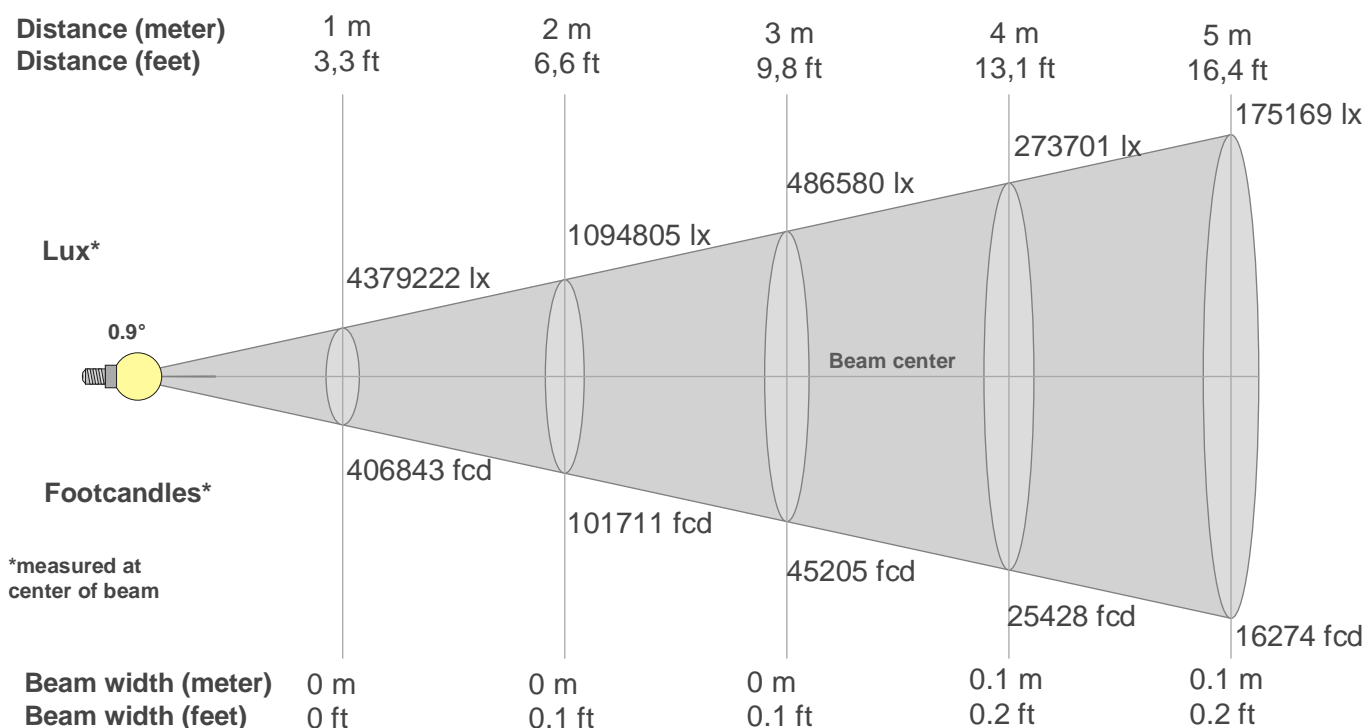
Rg 83.2

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	53	-27%	-4%
2	50	-23%	16%
3	50	-12%	30%
4	53	5%	29%
5	66	16%	16%
6	85	5%	-7%
7	73	-14%	-10%
8	61	-20%	-10%
9	70	-30%	14%
10	51	-18%	30%
11	37	-6%	31%
12	67	8%	22%
13	78	14%	5%
14	68	9%	-15%
15	64	1%	-32%
16	63	-12%	-17%



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
4379222 lx	1094805 lx	486580 lx	273701 lx	175169 lx	121645 lx	89372 lx	68425 lx	54064 lx	43792 lx	36192 lx	30411 lx	25913 lx	22343 lx	19463 lx	17106 lx	15153 lx	13516 lx	12131 lx	10948 lx
406843 fcd	101710 fcd	45204 fcd	25427 fcd	16273 fcd	11301 fcd	8302 fcd	6356 fcd	5022 fcd	4068 fcd	3362 fcd	2825 fcd	2407 fcd	2075 fcd	1808 fcd	1589 fcd	1407 fcd	1255 fcd	1127 fcd	1017 fcd

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°
4.4M	0.4M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°
4.4M	0.4M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°
4.4M	0.6M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	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°
4.4M	0.6M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

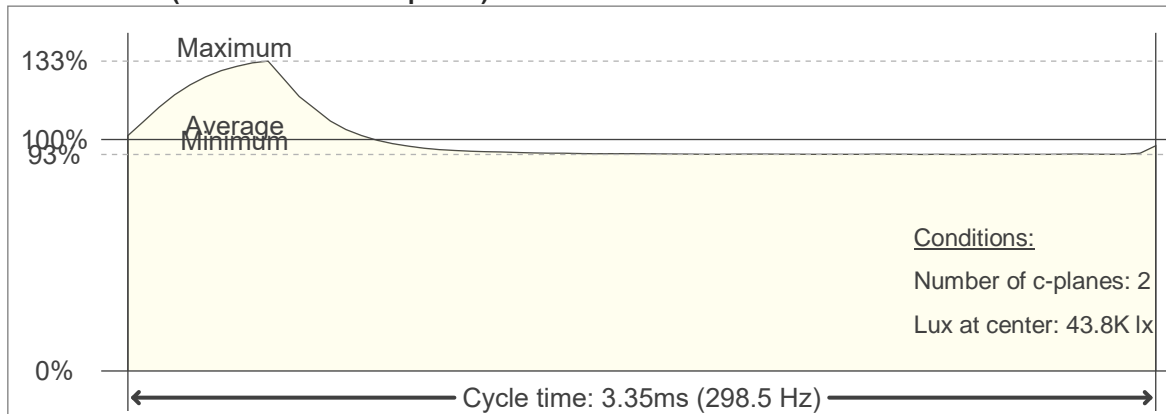
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
0.9°	2°	2.5°	100.0%	100.0%

Flicker

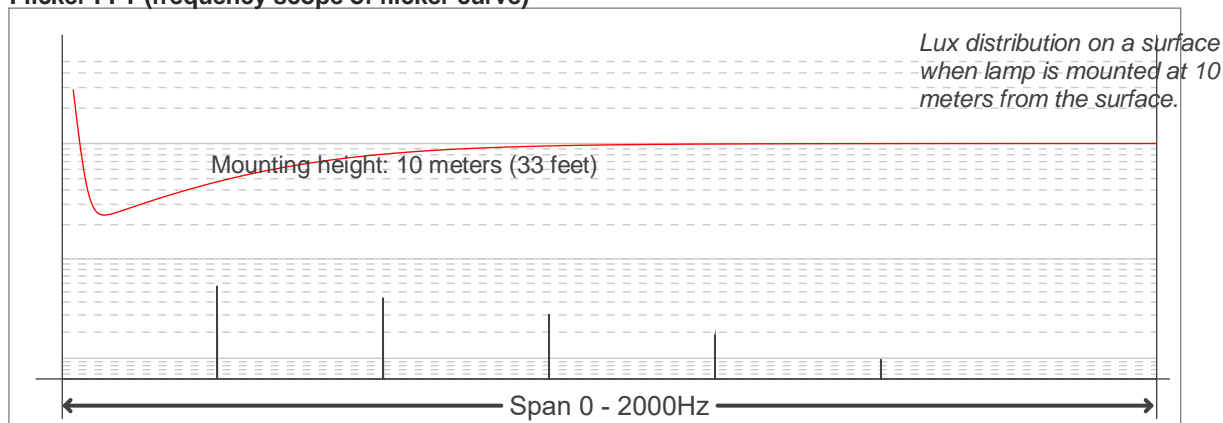
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		298.51 Hz	
Flicker index:	0.04	JA8/10 40Hz	0.55 %
Flicker percentage:	18.24 %	JA8/10 90Hz	1.2 %
SVM: (Visual flicker)	0.24	JA8/10 200Hz	3.48 %
PstLM	0.48	JA8/10 400Hz	12.43 %
Mp	0.2	JA8/10 1000Hz	17.68 %

Flicker conditions:

Sample rate:	20000 samples/second
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