Light efficiency:

16 Lumen/Watt

Light quality:

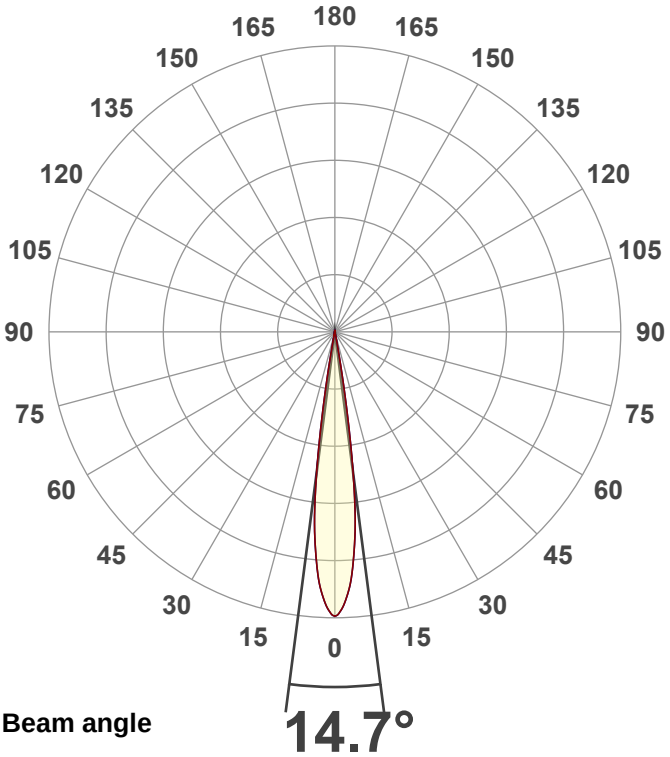
CRI: 68.3

Color temperature:

8290 K

Output: 3060 lm
Peak: 49997 cd

Power: 193.3 W
PF: 1.0



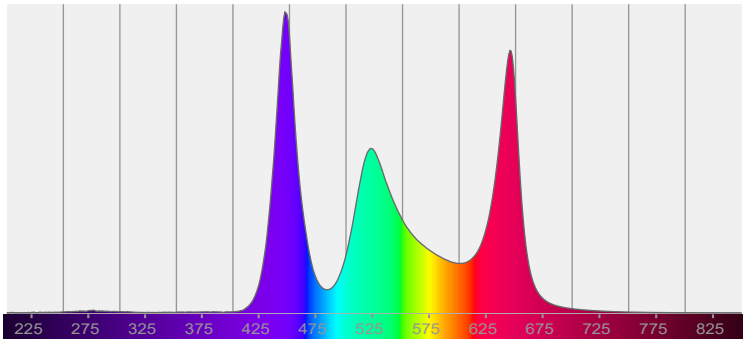
Beam angle 14.7°

Product name:
Vizi Xtreme (Full On,10000K)
Item number:

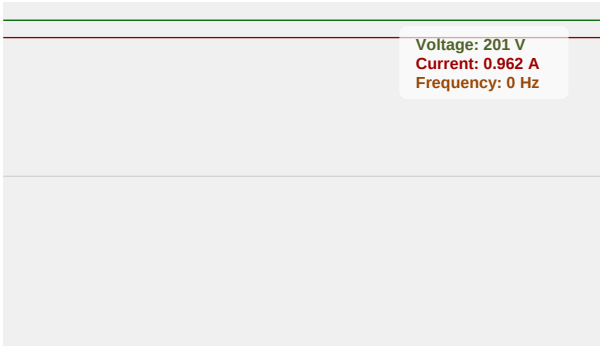
Date and time:
8/26/2026 2:21:56 PM

CIE 1931
x: 0.295
y: 0.296

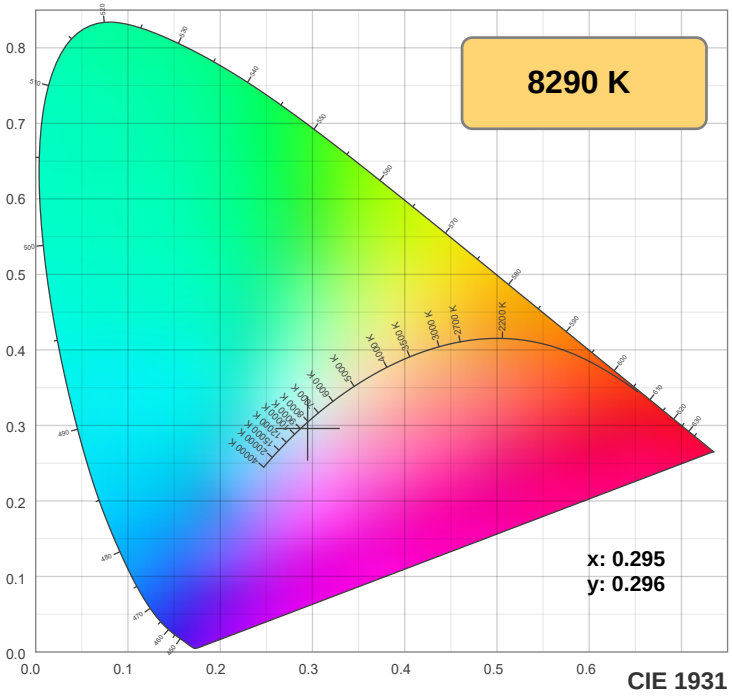
Spectra



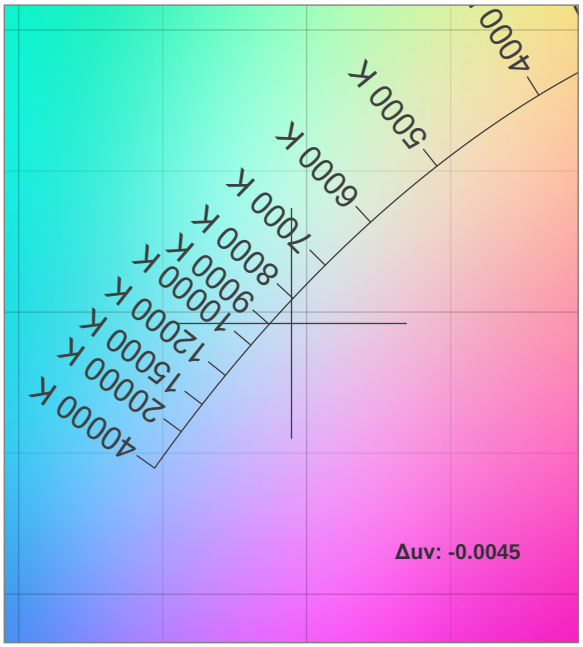
Power



Color details

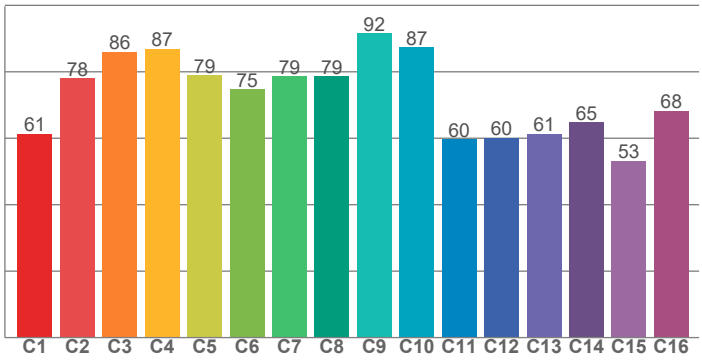


CIE 1931

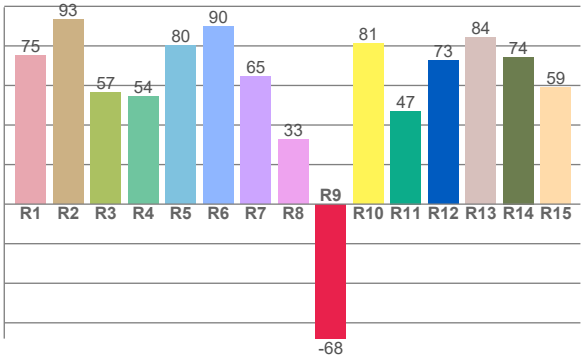


CIE 1931 ZOOM

TM-30: 75.1



CRI: 68.3 (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
75.0	93.2	56.5	54.3	80.2	89.7	64.7	32.8	-68.0	81.1	47.1	72.5	84.3	74.4	58.8

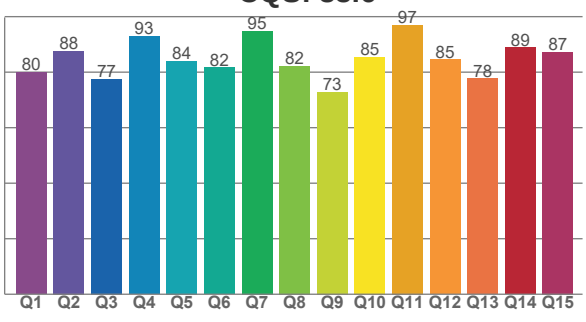
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
61.4	78.0	85.9	86.8	78.9	74.7	78.6	78.6	91.6	87.3	59.6	60.2	61.3	64.7	53.2	68.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.9	87.6	77.5	92.9	84.1	81.6	94.9	82.2	72.8	85.4	97.0	84.6	77.8	88.9	87.3

CQS: 83.6



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
8290 K	68.3	-68.0	75.1	118.2	83.6	0.295	0.296	0.198	0.298	-0.0045

TM-30 details

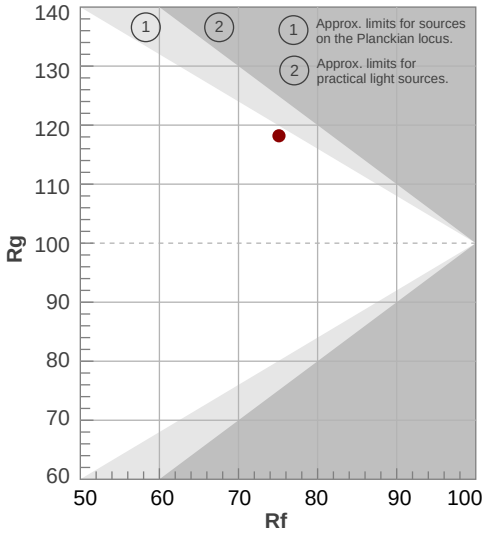
Rf 75.1

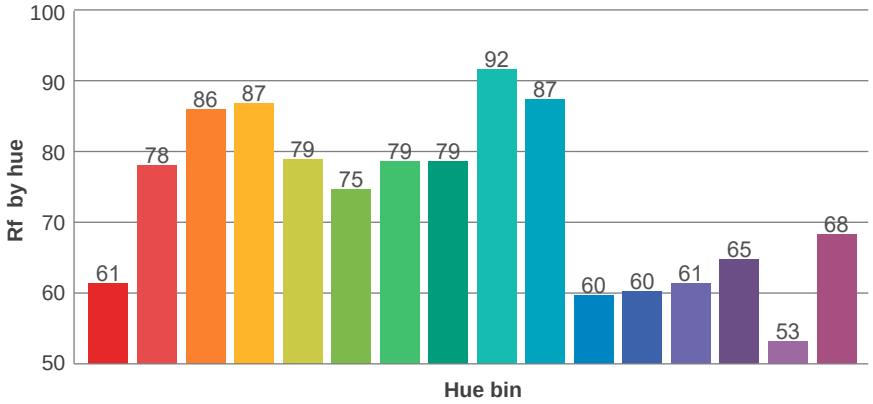
Fidelity index Rf

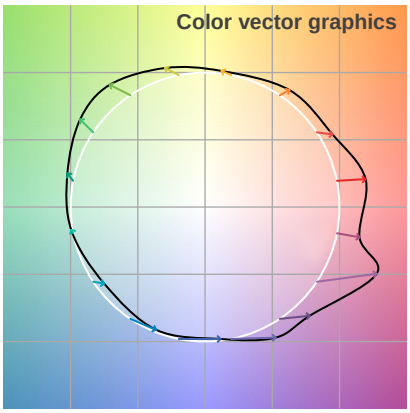
Rg 118.2

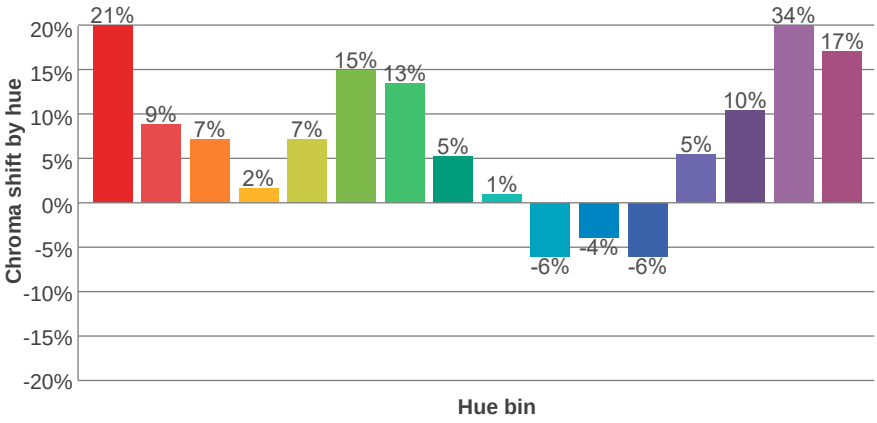
Gamut index Rg

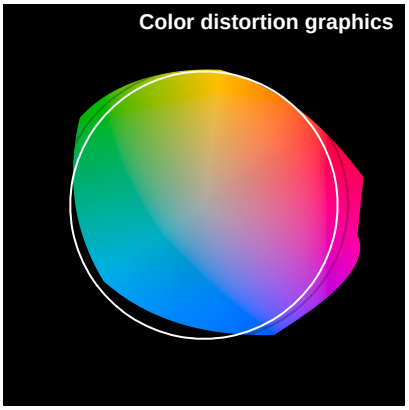
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	61	21%	-3%
2	78	9%	-8%
3	86	7%	-4%
4	87	2%	8%
5	79	7%	9%
6	75	15%	8%
7	79	13%	-3%
8	79	5%	-4%
9	92	1%	-3%
10	87	-6%	6%
11	60	-4%	20%
12	60	-6%	30%
13	61	5%	32%
14	65	10%	20%
15	53	34%	30%
16	68	17%	0%

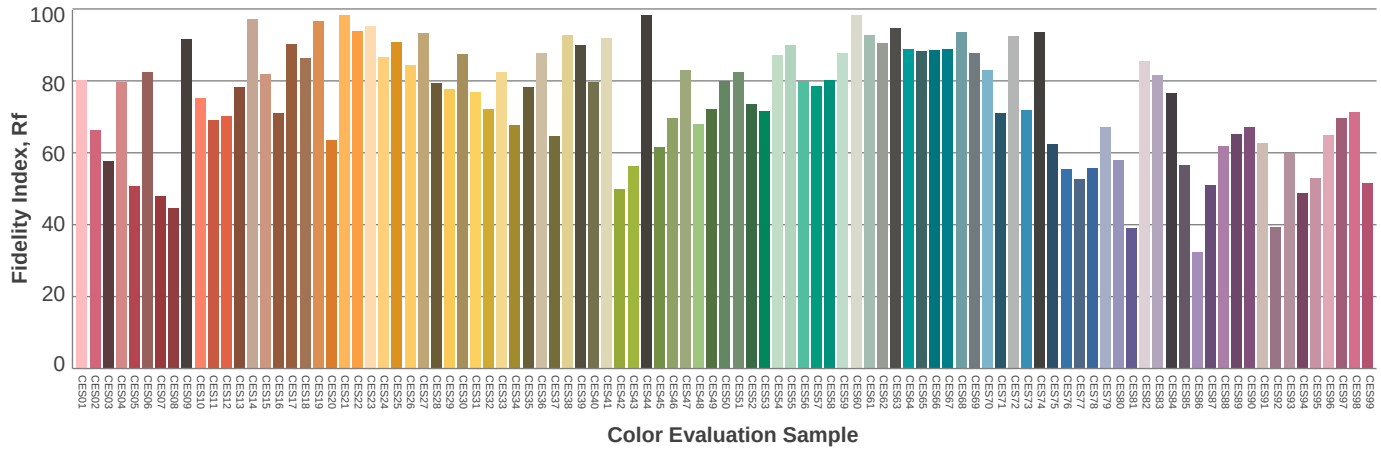




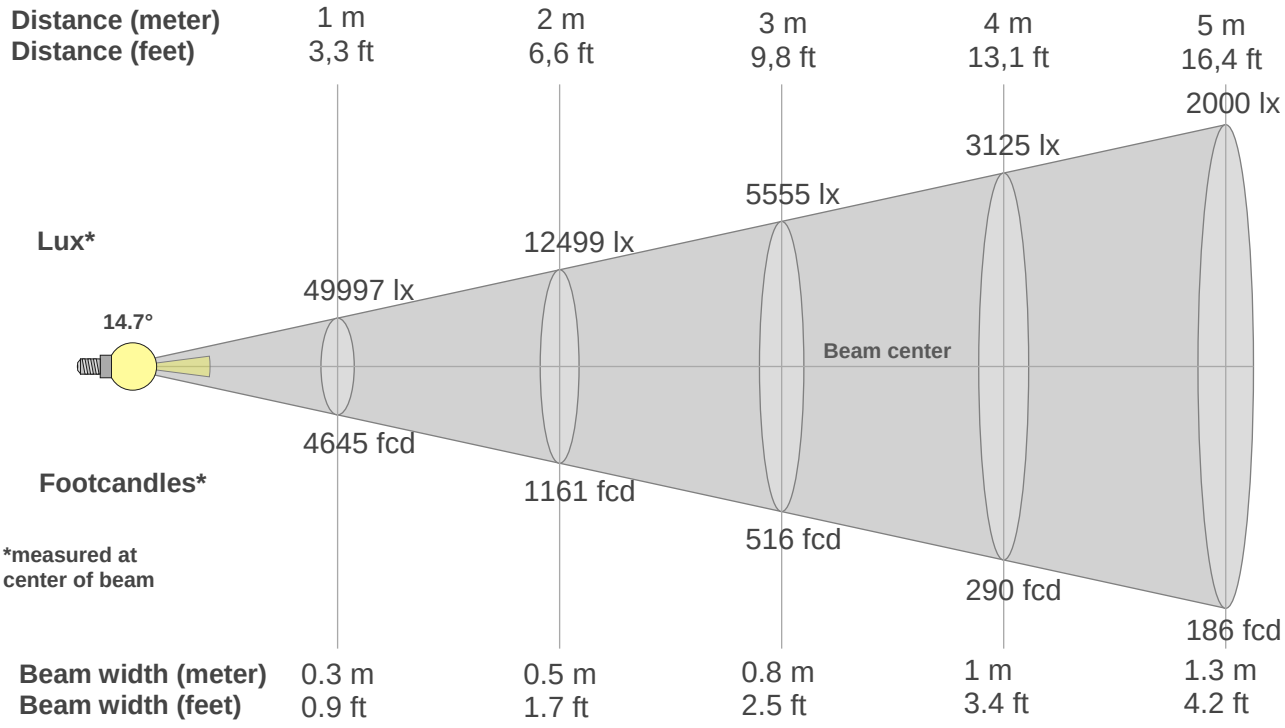








Beam details



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
49997lx	12499lx	5555lx	3125lx	2000lx	1389lx	1020lx	781lx	617lx	500lx	413lx	347lx	296lx	255lx	222lx	195lx	173lx	154lx	138lx	125lx
4644.9fcd	1161.2fcd	516.1fcd	290.3fcd	185.8fcd	129fcd	94.8fcd	72.6fcd	57.3fcd	46.4fcd	38.4fcd	32.3fcd	27.5fcd	23.7fcd	20.6fcd	18.1fcd	16.1fcd	14.3fcd	12.9fcd	11.6fcd

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°
50.0k	49.3k	47.8k	45.7k	42.8k	38.8k	34.2k	27.8k	19.9k	11.7k	5.0k	1.6k	0.3k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	91%	86%	78%	68%	56%	40%	23%	10%	3%	1%	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°
50.0k	49.3k	47.8k	45.7k	42.8k	38.8k	34.2k	27.8k	19.9k	11.7k	5.0k	1.6k	0.3k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	91%	86%	78%	68%	56%	40%	23%	10%	3%	1%	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°
50.0k	49.3k	47.8k	45.7k	42.8k	38.8k	34.2k	27.8k	19.9k	11.7k	5.0k	1.6k	0.3k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	91%	86%	78%	68%	56%	40%	23%	10%	3%	1%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° c-plane

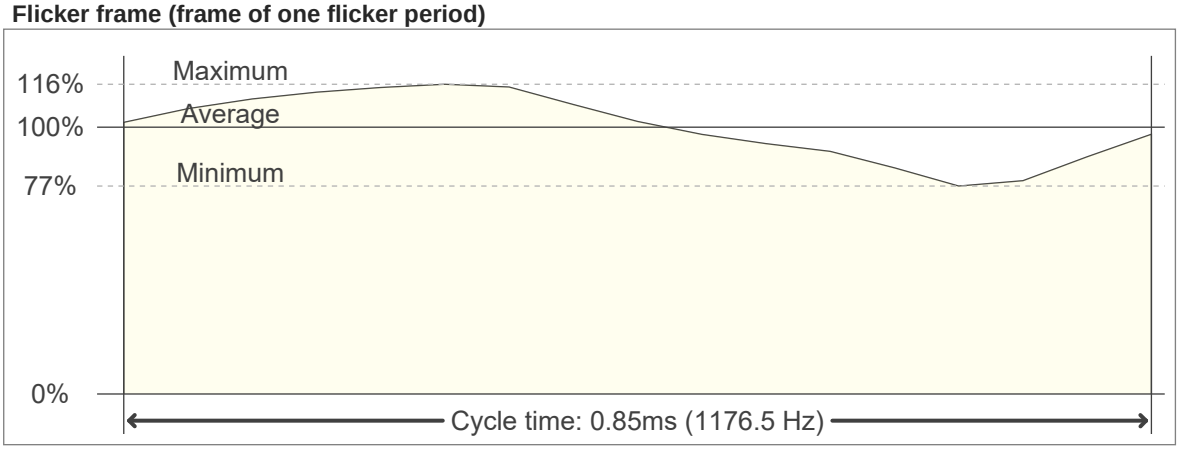
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
50.0k	49.3k	47.8k	45.7k	42.8k	38.8k	34.2k	27.8k	19.9k	11.7k	5.0k	1.6k	0.3k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	91%	86%	78%	68%	56%	40%	23%	10%	3%	1%	0%	0%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.7°	**20°**	**22.4°**	**90.7%**	**88.9%**

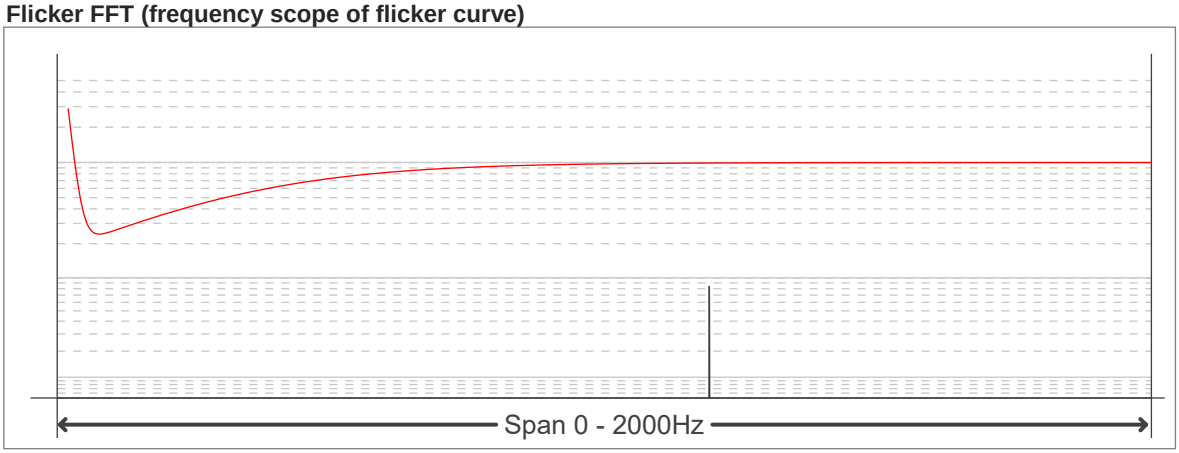
Flicker

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:	0.05	JA8/10 40Hz	0.22 %
Flicker percentage:	27.58 %	JA8/10 90Hz	0.24 %
SVM: (Visual flicker)	0.17	JA8/10 200Hz	0.41 %
PstLM	0	JA8/10 400Hz	0.65 %
Mp	0.11	JA8/10 1000Hz	1.46 %

Flicker conditions:

Sample rate:	20000 samples/second