Light efficiency:

17 Lumen/Watt

Light quality:

CRI: 72.2

Color temperature:

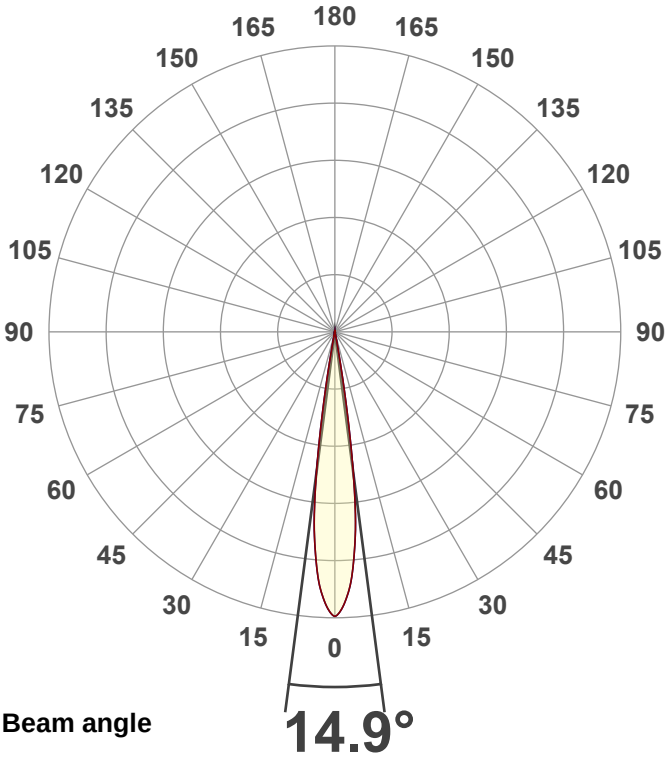
3212 K

Output: 2424 lm

Peak: 37980 cd

Power: 143.8 W

PF: 1.0



Beam angle 14.9°

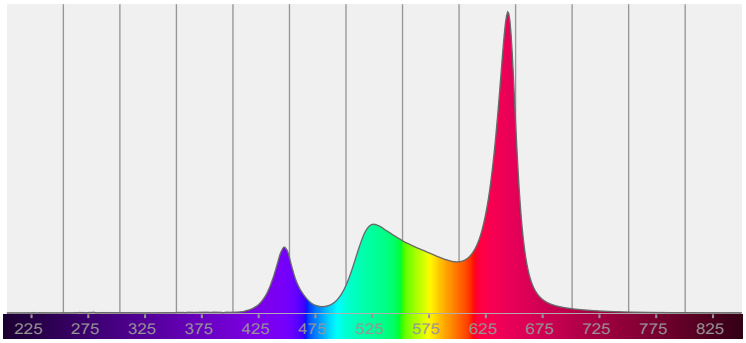
Product name:
Vizi Xtreme (Full On,3200K)

Item number:

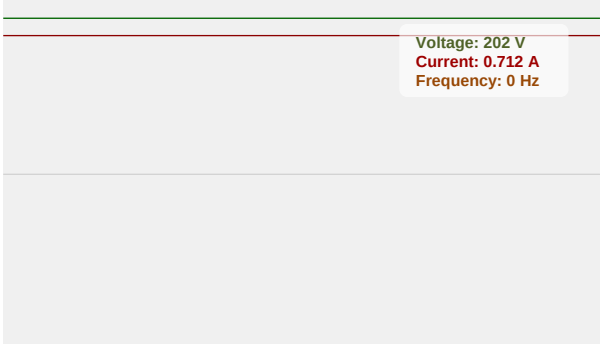
Date and time:
8/26/2026 10:12:25 AM

CIE 1931
x: 0.426
y: 0.406

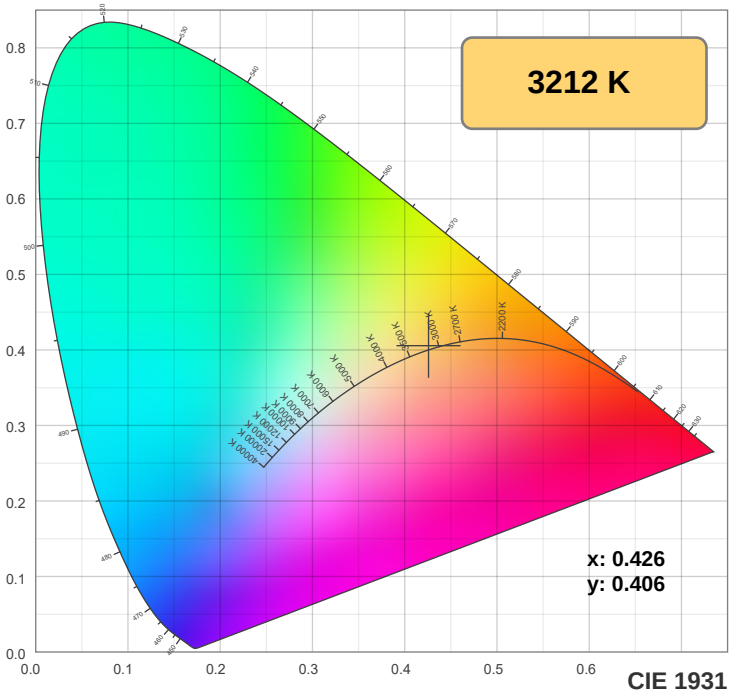
Spectra



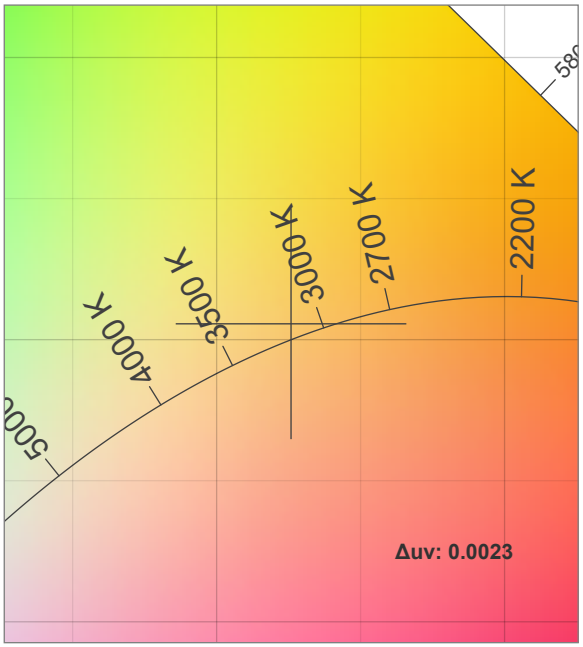
Power



Color details

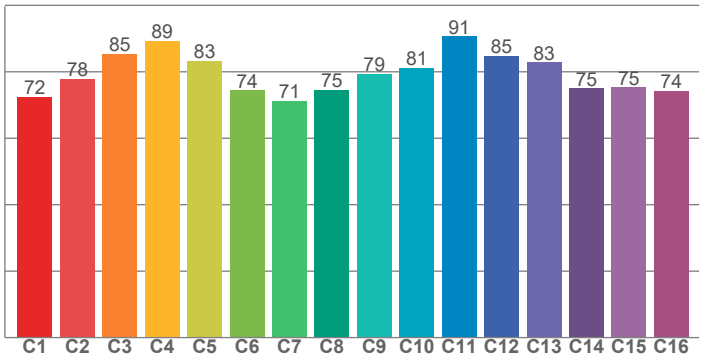


CIE 1931

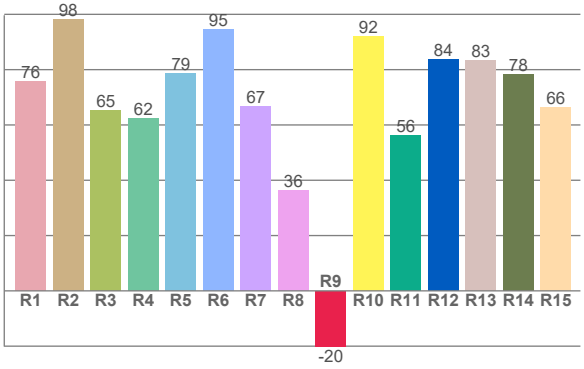


CIE 1931 ZOOM

TM-30: 80.2



CRI: 72.2 (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
75.8	98.1	65.1	62.3	78.7	94.5	66.6	36.3	-20.2	91.9	56.4	83.8	83.3	78.2	66.2

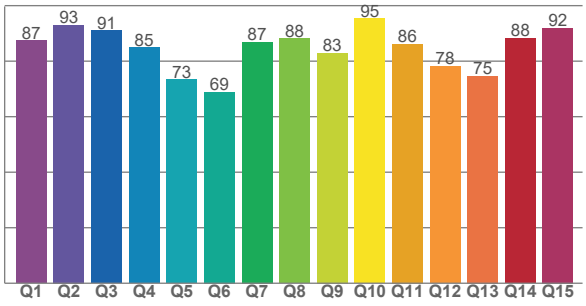
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
72.4	77.8	85.4	89.3	83.4	74.4	71.2	74.5	79.3	81.2	90.6	84.8	82.8	75.0	75.3	74.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.4	93.0	91.0	84.9	73.4	68.8	86.9	88.2	82.9	95.3	86.2	78.1	74.7	88.2	92.0

CQS: 82.9



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3212 K	72.2	-20.2	80.2	116.4	82.9	0.426	0.406	0.243	0.347	0.0023

TM-30 details

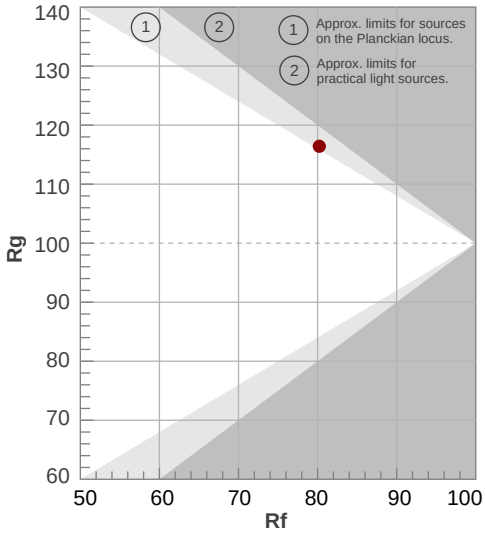
Rf 80.2

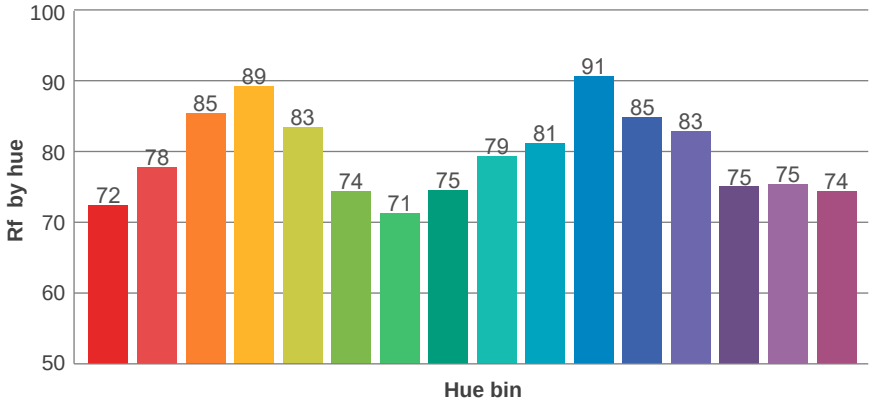
Fidelity index Rf

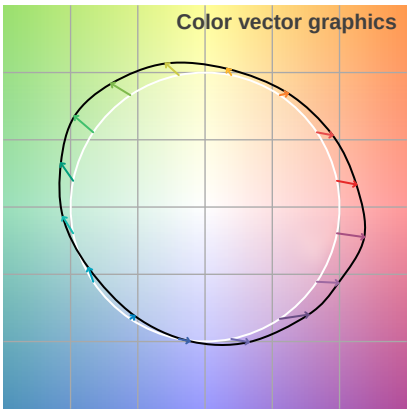
Rg 116.4

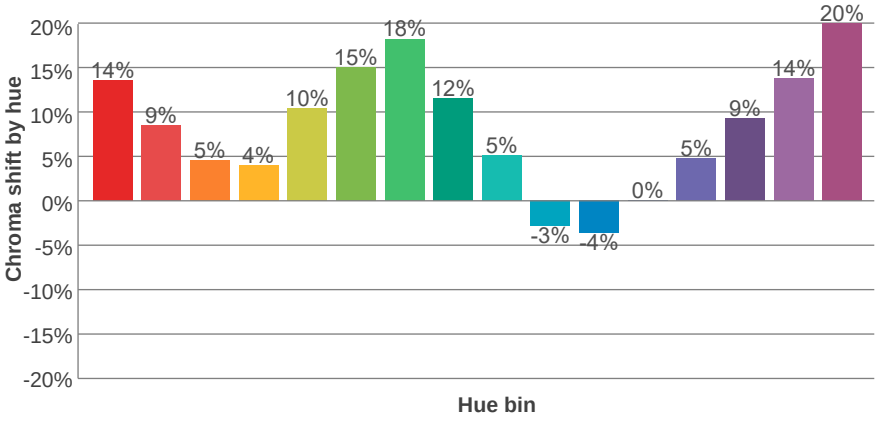
Gamut index Rg

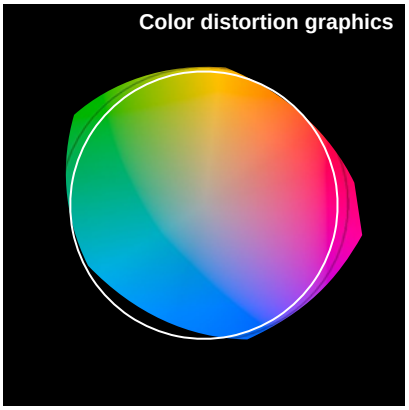
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	72	14%	-6%
2	78	9%	-8%
3	85	5%	-4%
4	89	4%	4%
5	83	10%	8%
6	74	15%	7%
7	71	18%	-2%
8	75	12%	-11%
9	79	5%	-13%
10	81	-3%	-10%
11	91	-4%	1%
12	85	0%	8%
13	83	5%	12%
14	75	9%	20%
15	75	14%	8%
16	74	20%	1%

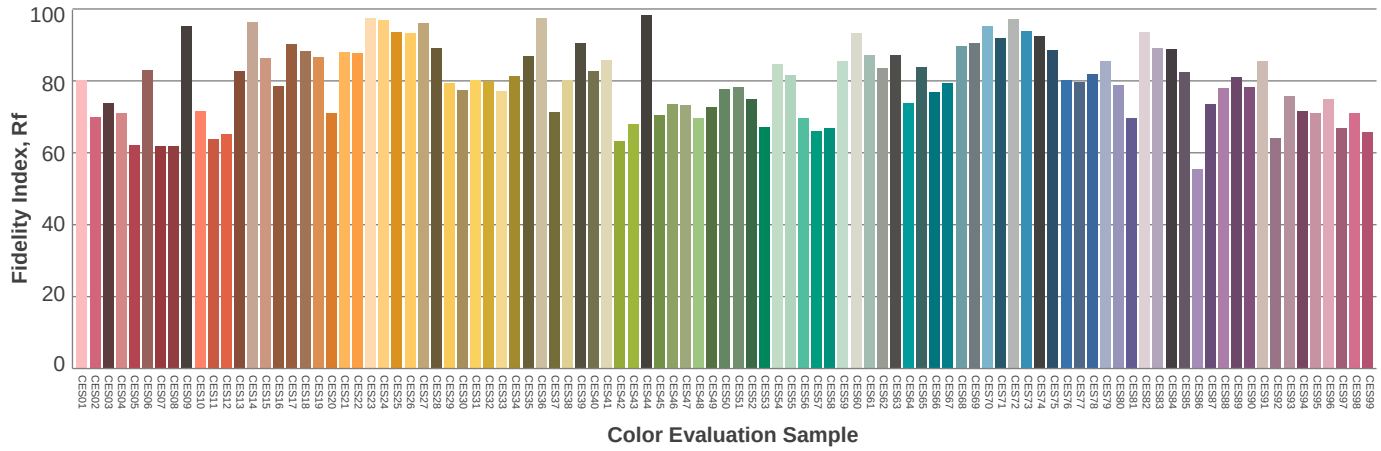




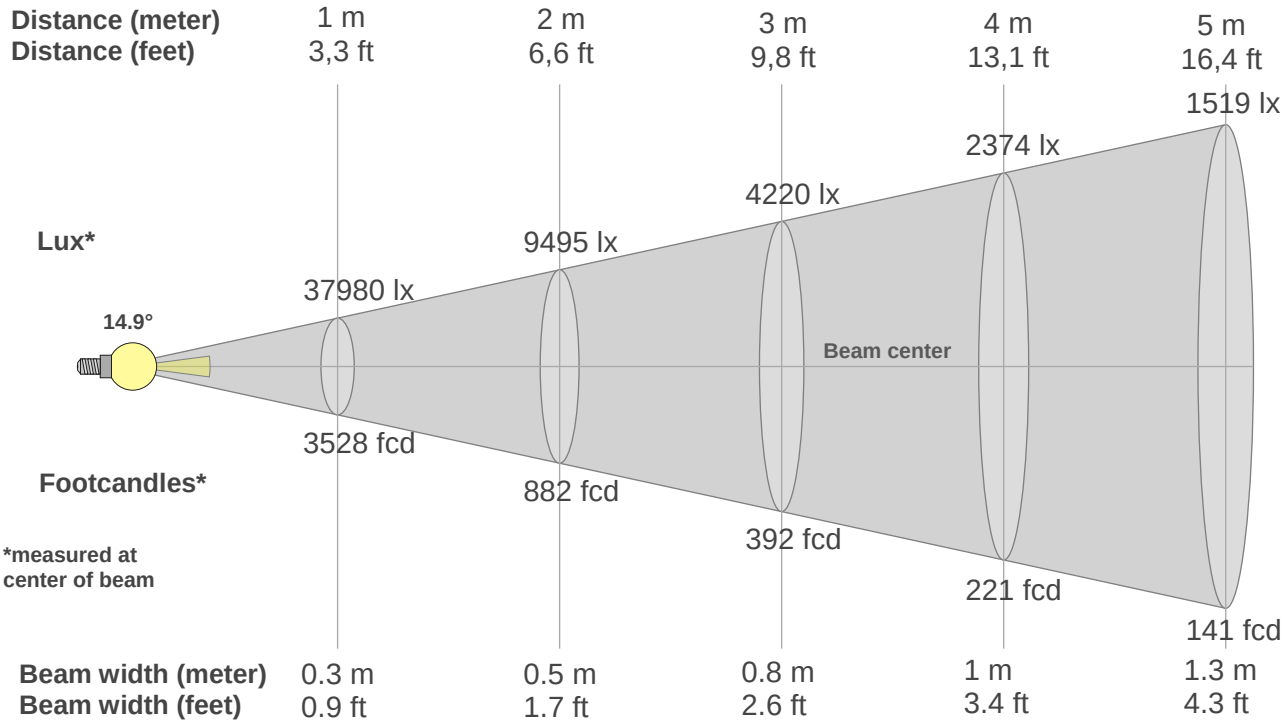








Beam details



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
37980lx	9495lx	4220lx	2374lx	1519lx	1055lx	775lx	593lx	469lx	380lx	314lx	264lx	225lx	194lx	169lx	148lx	131lx	117lx	105lx	95lx
3528.5fcd	882.1fcd	392.1fcd	220.5fcd	141.1fcd	98fcd	72fcd	55.1fcd	43.6fcd	35.3fcd	29.2fcd	24.5fcd	20.9fcd	18fcd	15.7fcd	13.8fcd	12.2fcd	10.9fcd	9.8fcd	8.8fcd

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°
38.0k	37.4k	36.3k	34.8k	32.6k	29.7k	26.3k	21.5k	15.5k	9.2k	4.0k	1.3k	0.3k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	57%	41%	24%	11%	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°
38.0k	37.4k	36.3k	34.8k	32.6k	29.7k	26.3k	21.5k	15.5k	9.2k	4.0k	1.3k	0.3k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	57%	41%	24%	11%	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°
38.0k	37.4k	36.3k	34.8k	32.6k	29.7k	26.3k	21.5k	15.5k	9.2k	4.0k	1.3k	0.3k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	57%	41%	24%	11%	3%	1%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° c-plane

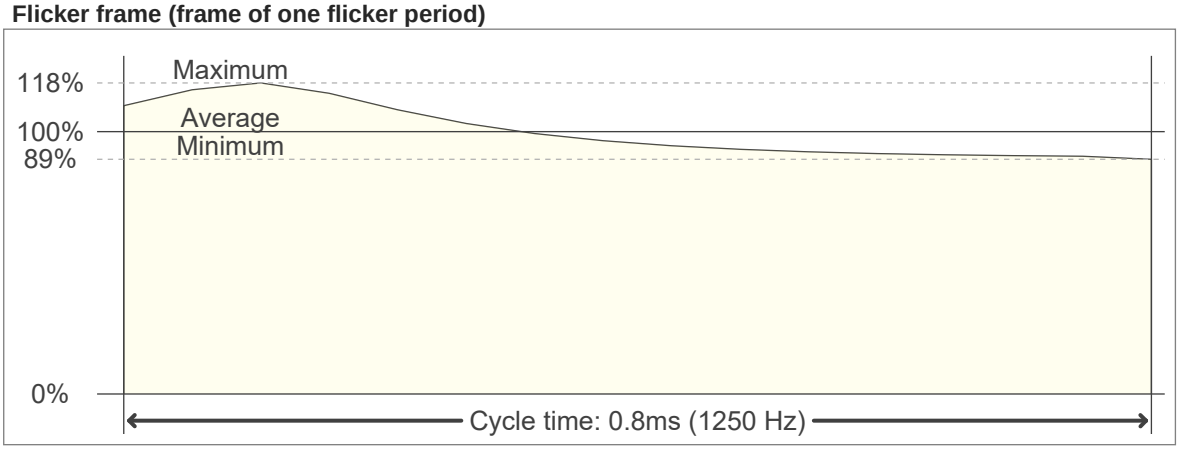
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
38.0k	37.4k	36.3k	34.8k	32.6k	29.7k	26.3k	21.5k	15.5k	9.2k	4.0k	1.3k	0.3k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	57%	41%	24%	11%	3%	1%	0%	0%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.9°	**20.1°**	**22.4°**	**89.0%**	**86.8%**

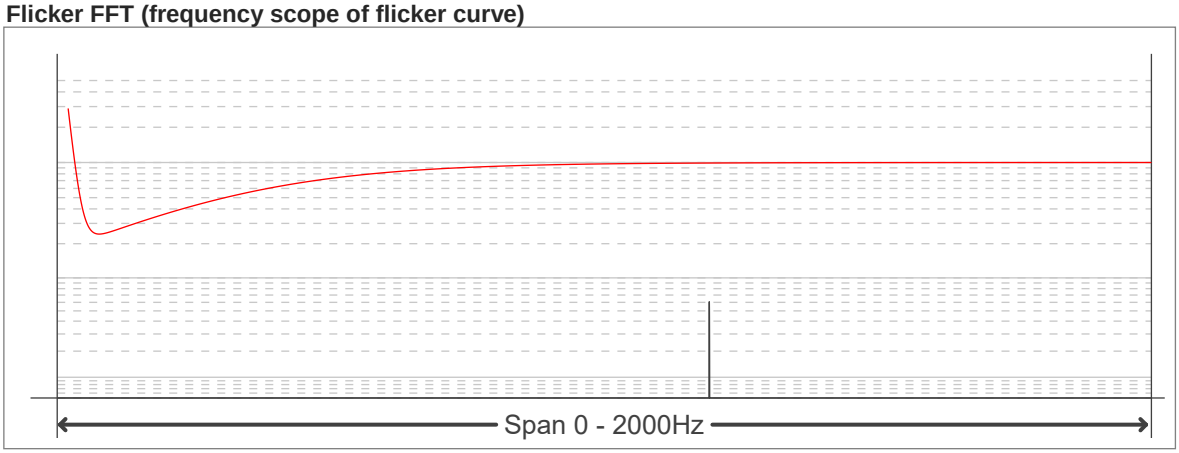
Flicker

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:	0.04	JA8/10 40Hz	0.15 %
Flicker percentage:	14.18 %	JA8/10 90Hz	0.16 %
SVM: (Visual flicker)	0.12	JA8/10 200Hz	0.16 %
PstLM	0	JA8/10 400Hz	0.24 %
Mp	0.08	JA8/10 1000Hz	1.47 %

Flicker conditions:

Sample rate:	20000 samples/second