Light efficiency:

17 Lumen/Watt

Light quality:

CRI: 68.1

Color temperature:

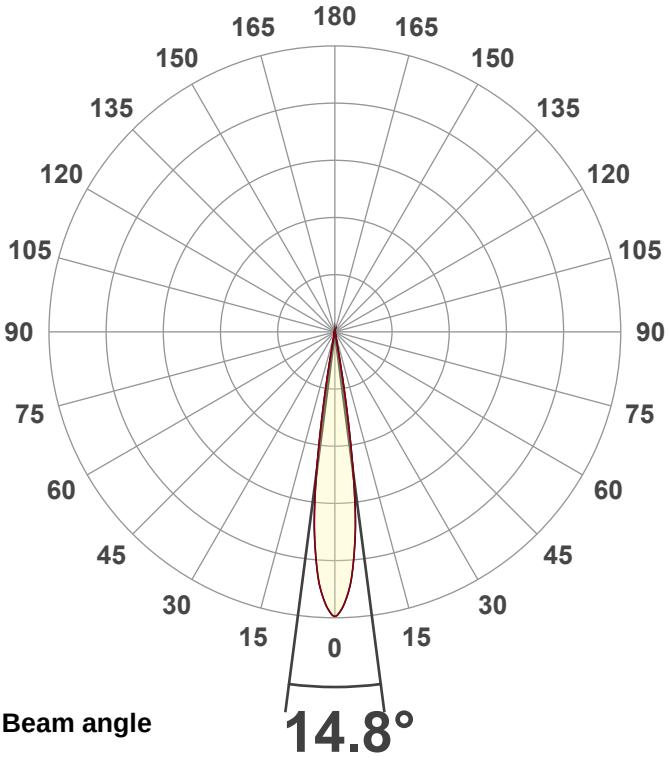
4507 K

Output: 2623 lm

Peak: 41794 cd

Power: 156.3 W

PF: 1.0



Beam angle 14.8°

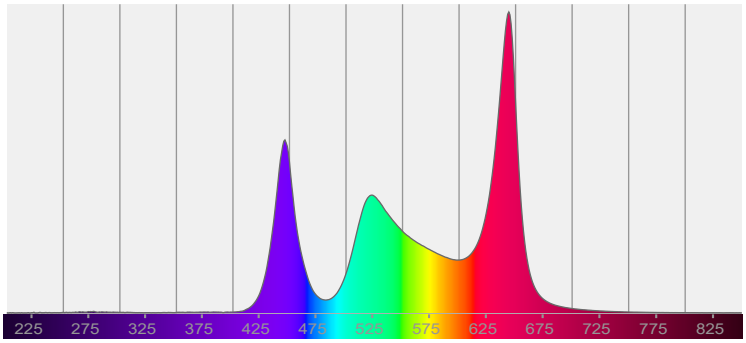
Product name:
Vizi Xtreme (Full On,4500K)

Item number:

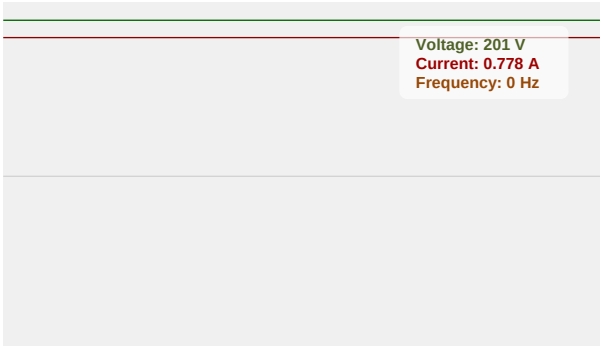
Date and time:
8/26/2026 12:38:59 PM

CIE 1931
x: 0.357
y: 0.340

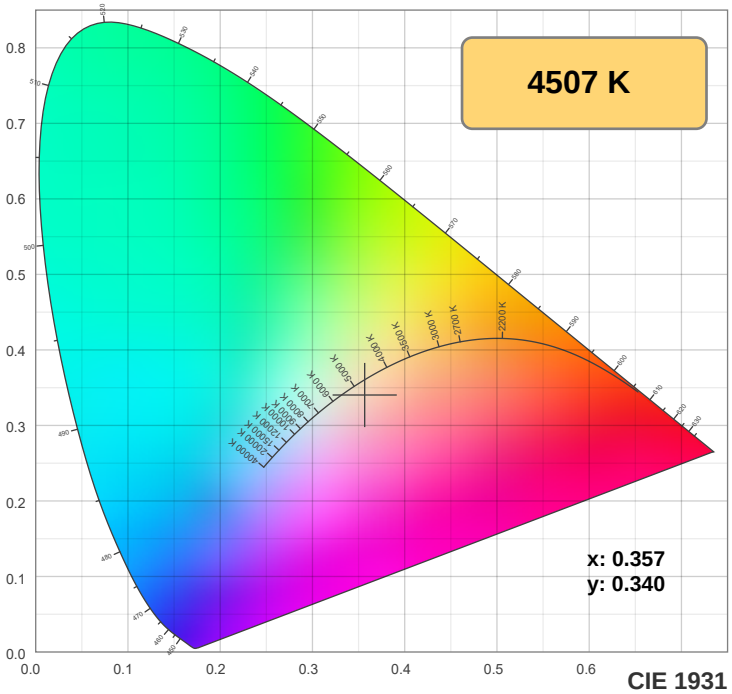
Spectra



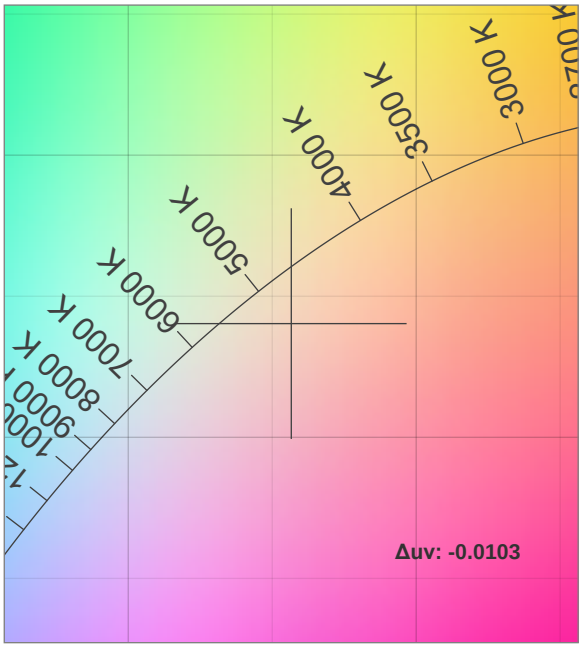
Power



Color details

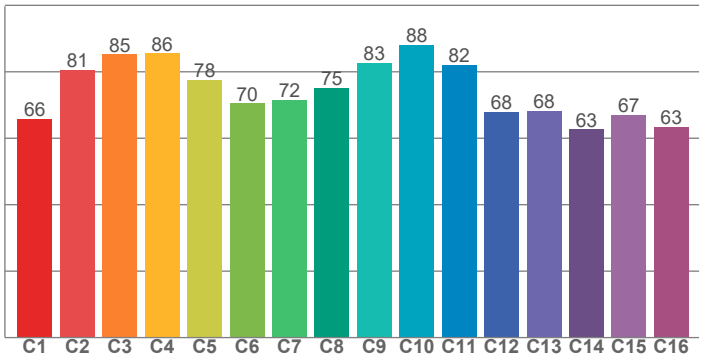


CIE 1931

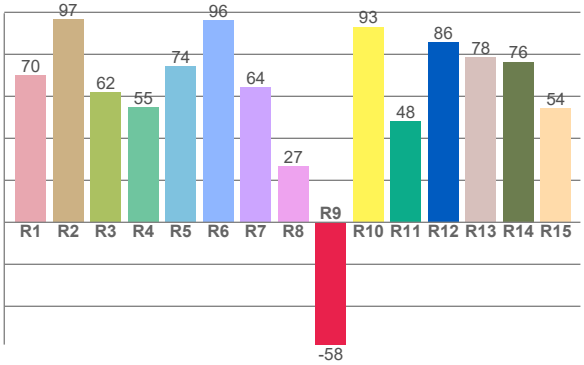


CIE 1931 ZOOM

TM-30: 76.0



CRI: 68.1 (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
70.1	96.8	61.8	54.9	74.2	96.0	64.2	26.5	-58.2	93.1	48.2	85.8	78.5	76.4	54.2

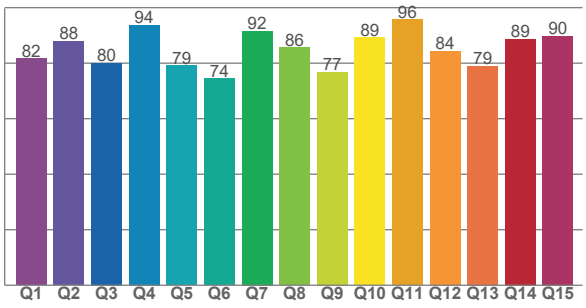
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.8	80.6	85.2	85.6	77.5	70.4	71.5	75.2	82.7	88.2	82.1	67.9	68.2	62.7	67.1	63.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.7	87.9	80.1	93.8	79.1	74.5	91.5	85.6	76.8	89.3	95.7	84.5	79.1	88.6	89.8

CQS: 83.9



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
4507 K	68.1	-58.2	76.0	121.6	83.9	0.357	0.340	0.224	0.321	-0.0103

TM-30 details

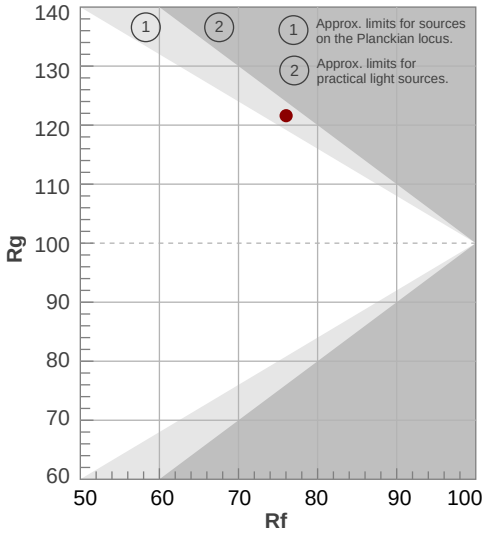
Rf 76.0

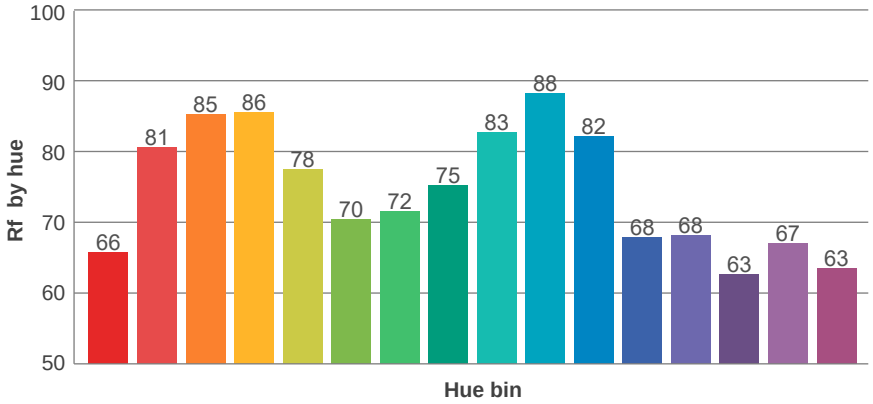
Fidelity index Rf

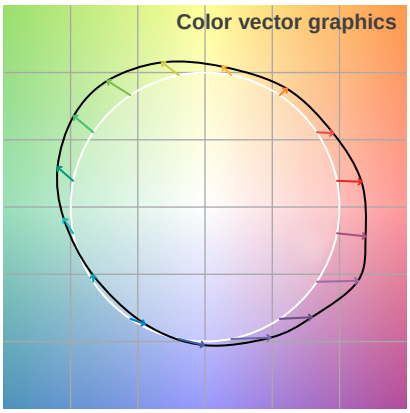
Rg 121.6

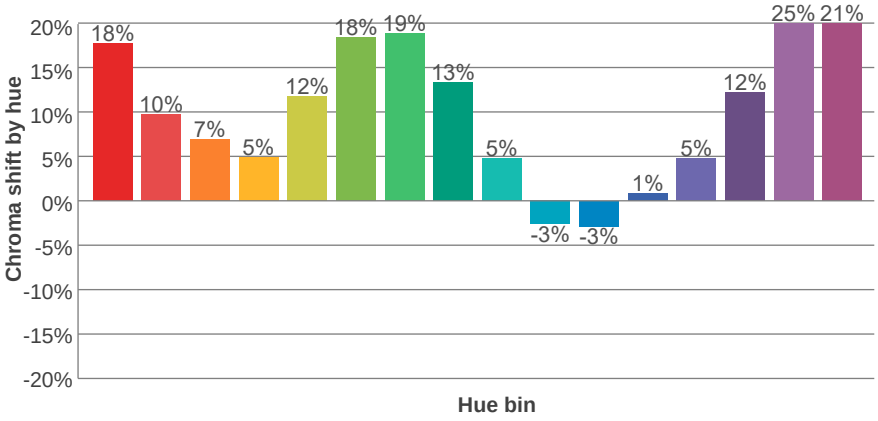
Gamut index Rg

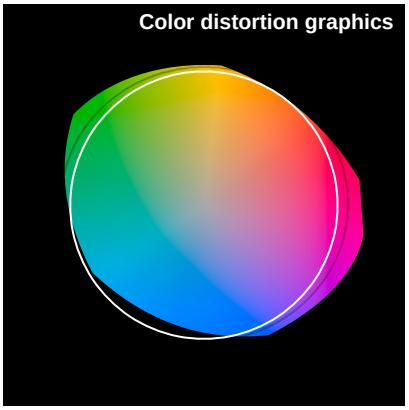
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	66	18%	-4%
2	81	10%	-7%
3	85	7%	-2%
4	86	5%	8%
5	78	12%	11%
6	70	18%	8%
7	72	19%	-2%
8	75	13%	-8%
9	83	5%	-12%
10	88	-3%	-4%
11	82	-3%	11%
12	68	1%	19%
13	68	5%	29%
14	63	12%	21%
15	67	25%	18%
16	63	21%	2%

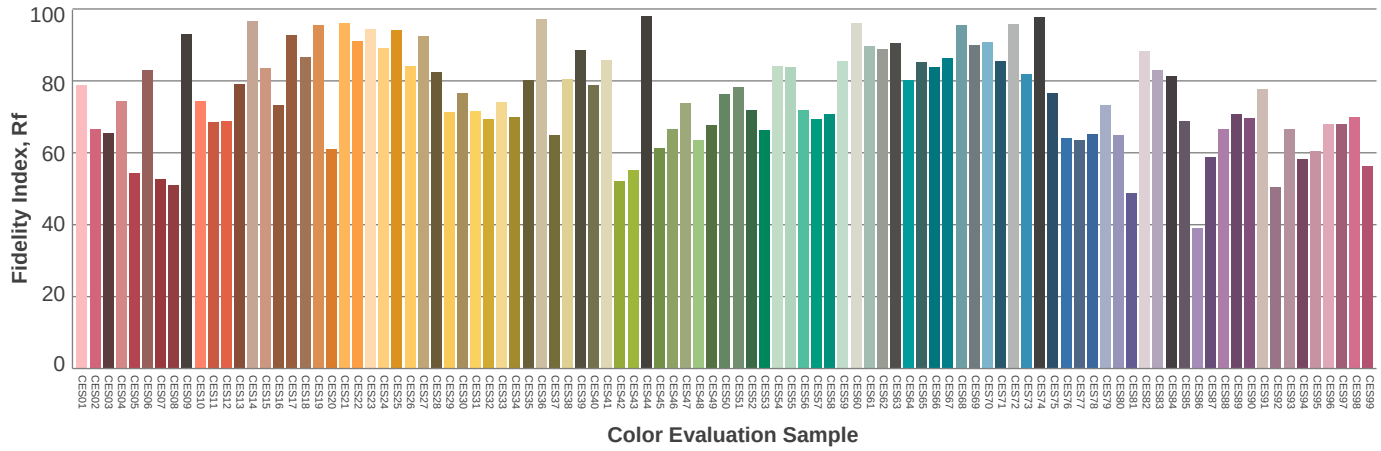




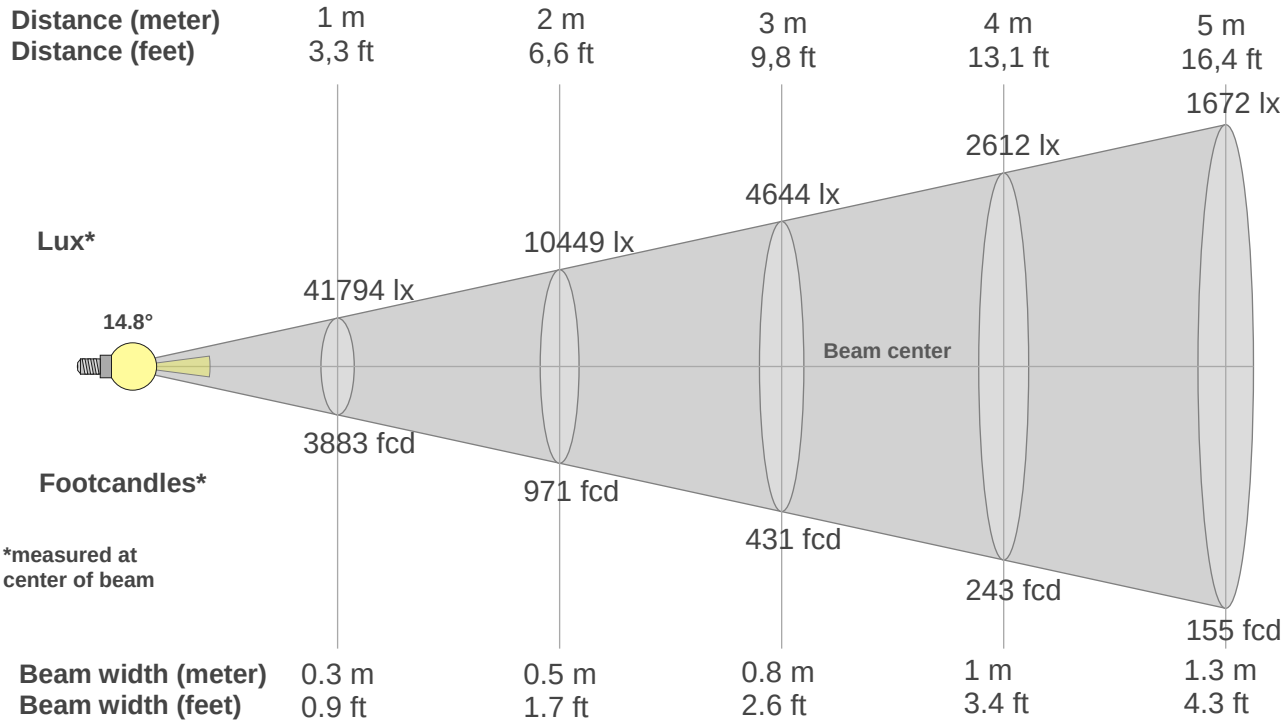








Beam details



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
41794lx	10449lx	4644lx	2612lx	1672lx	1161lx	853lx	653lx	516lx	418lx	345lx	290lx	247lx	213lx	186lx	163lx	145lx	129lx	116lx	104lx
3882.8fcd	970.7fcd	431.4fcd	242.7fcd	155.3fcd	107.9fcd	79.2fcd	60.7fcd	47.9fcd	38.8fcd	32.1fcd	27fcd	23fcd	19.8fcd	17.3fcd	15.2fcd	13.4fcd	12fcd	10.8fcd	9.7fcd

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°
41.8k	41.2k	40.0k	38.2k	35.9k	32.6k	28.8k	23.5k	17.0k	10.0k	4.4k	1.4k	0.3k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	56%	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°
41.8k	41.2k	40.0k	38.2k	35.9k	32.6k	28.8k	23.5k	17.0k	10.0k	4.4k	1.4k	0.3k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	56%	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°
41.8k	41.2k	40.0k	38.2k	35.9k	32.6k	28.8k	23.5k	17.0k	10.0k	4.4k	1.4k	0.3k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	56%	41%	24%	11%	3%	1%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° c-plane

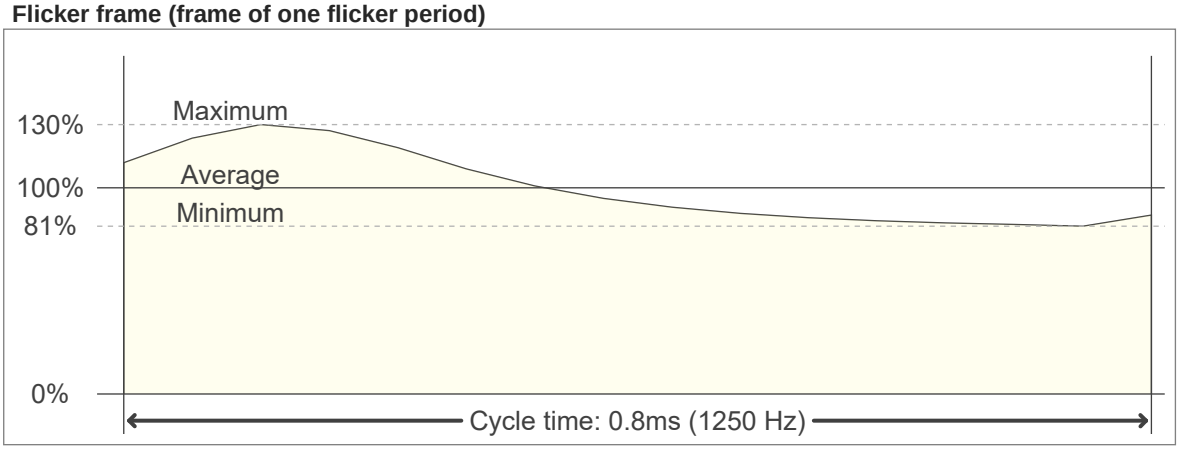
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
41.8k	41.2k	40.0k	38.2k	35.9k	32.6k	28.8k	23.5k	17.0k	10.0k	4.4k	1.4k	0.3k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	78%	69%	56%	41%	24%	11%	3%	1%	0%	0%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.8°	**20.1°**	**22.4°**	**89.8%**	**87.8%**

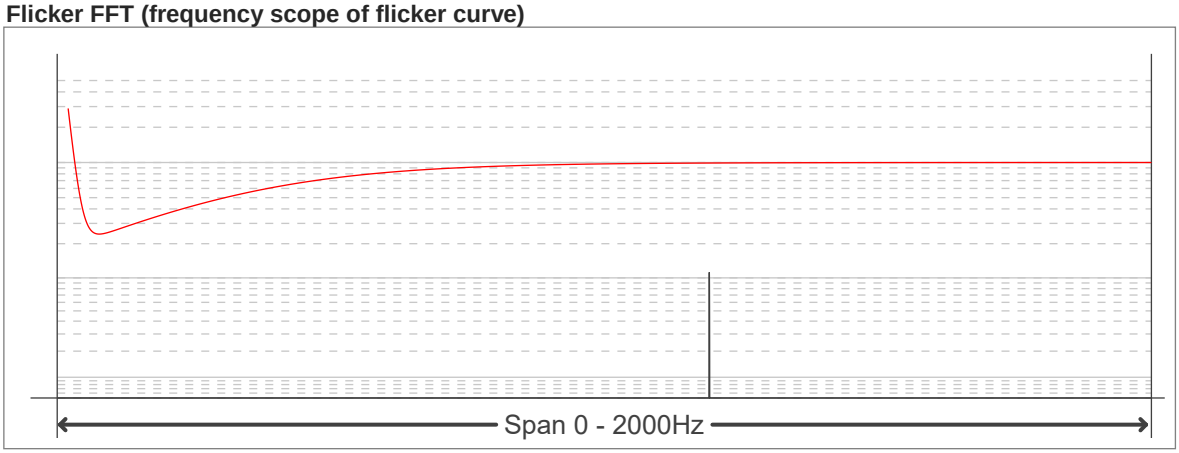
Flicker

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:	0.08	JA8/10 40Hz	0.35 %
Flicker percentage:	30.44 %	JA8/10 90Hz	0.66 %
SVM: (Visual flicker)	0.23	JA8/10 200Hz	1.38 %
PstLM	0	JA8/10 400Hz	2.63 %
Mp	0.14	JA8/10 1000Hz	5.92 %

Flicker conditions:

Sample rate:	20000 samples/second