Light efficiency:

17 Lumen/Watt

Light quality:

CRI: 72.8

Color temperature:

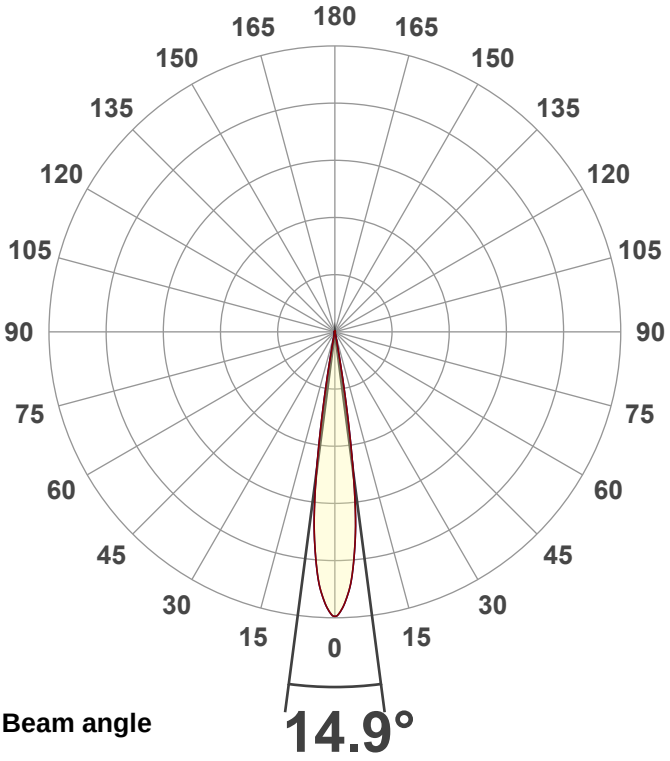
3019 K

Output: 2408 lm

Peak: 37461 cd

Power: 140.6 W

PF: 1.0



Beam angle 14.9°

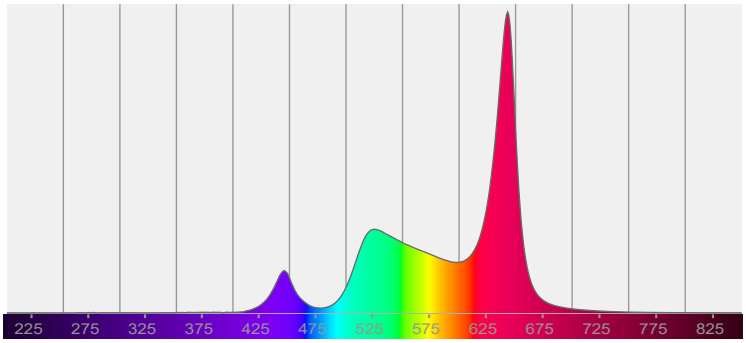
Product name:
Vizi Xtreme (Full On,3000K)

Item number:

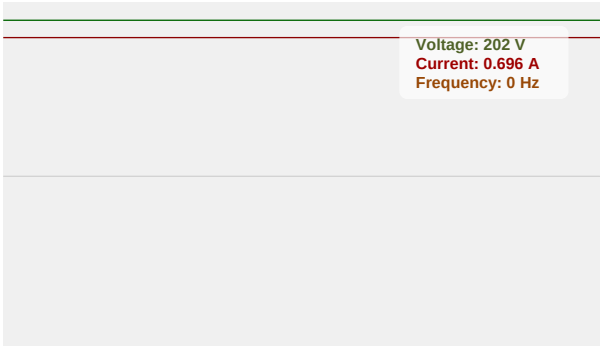
Date and time:
8/26/2026 10:04:53 AM

CIE 1931
x: 0.447
y: 0.427

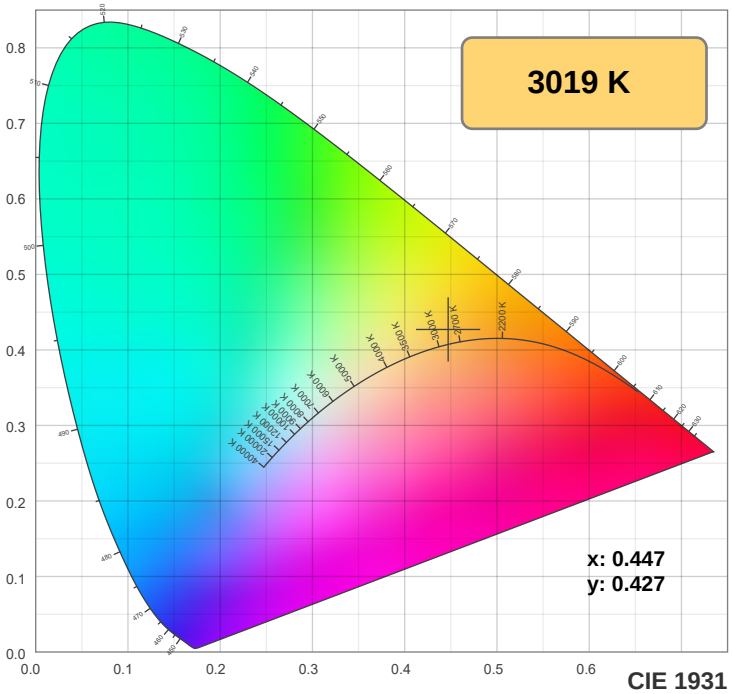
Spectra



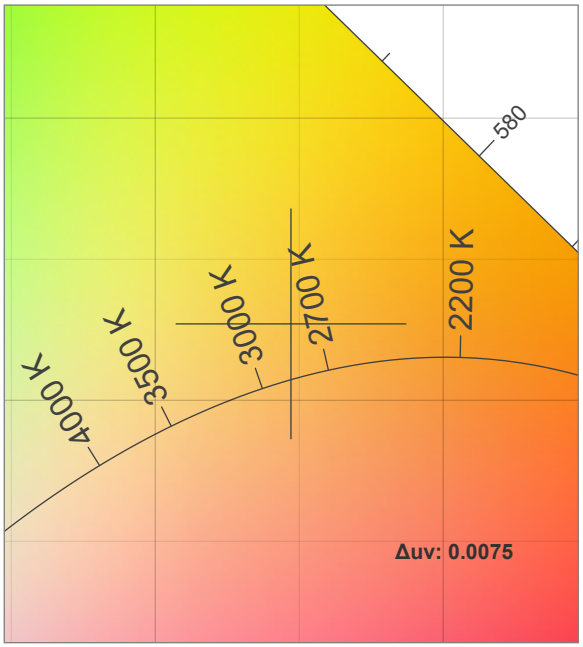
Power



Color details

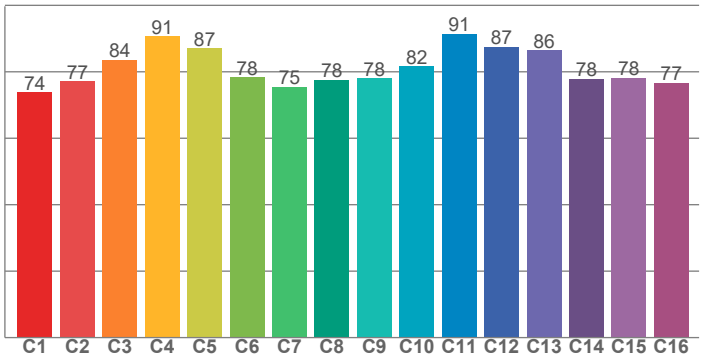


CIE 1931

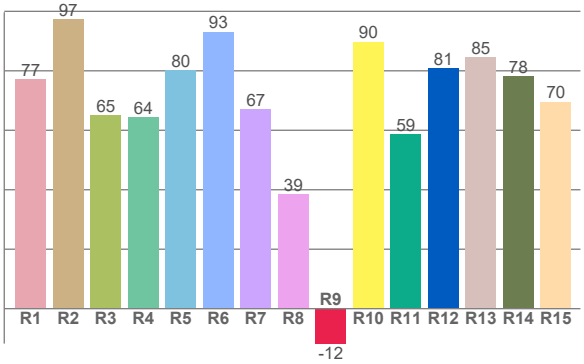


CIE 1931 ZOOM

TM-30: 81.8



CRI: 72.8 (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
77.2	97.2	65.1	64.3	80.2	93.1	66.9	38.6	-11.7	89.8	58.7	80.8	84.6	78.2	69.6

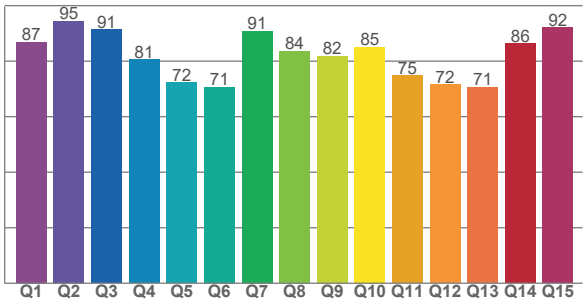
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
73.8	77.1	83.5	90.7	87.1	78.4	75.4	77.6	78.0	81.6	91.5	87.5	86.5	77.9	78.1	76.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.0	94.5	91.4	80.6	72.3	70.7	90.8	83.7	81.9	85.1	74.8	71.5	70.6	86.3	92.0

CQS: 80.3



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
3019 K	72.8	-11.7	81.8	112.6	80.3	0.447	0.427	0.247	0.354	0.0075

TM-30 details

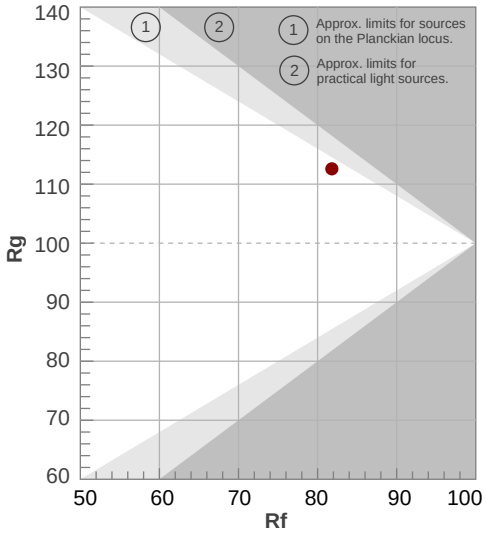
Rf 81.8

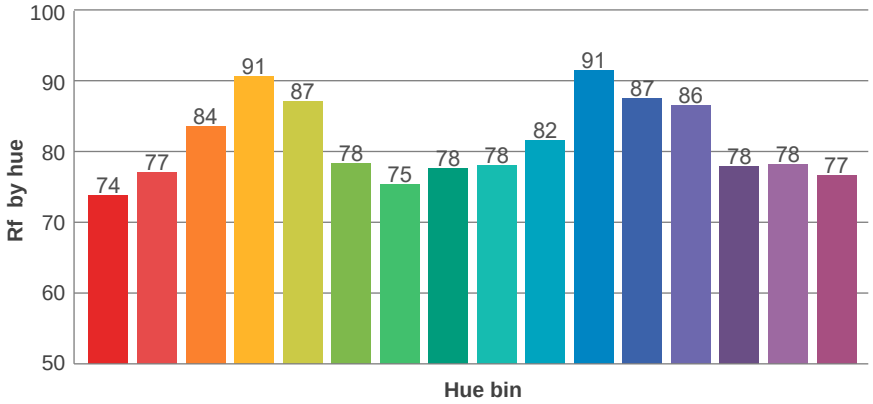
Fidelity index Rf

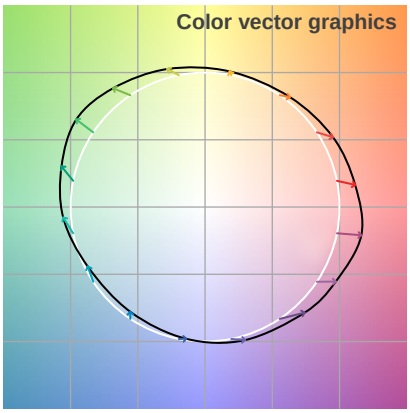
Rg 112.6

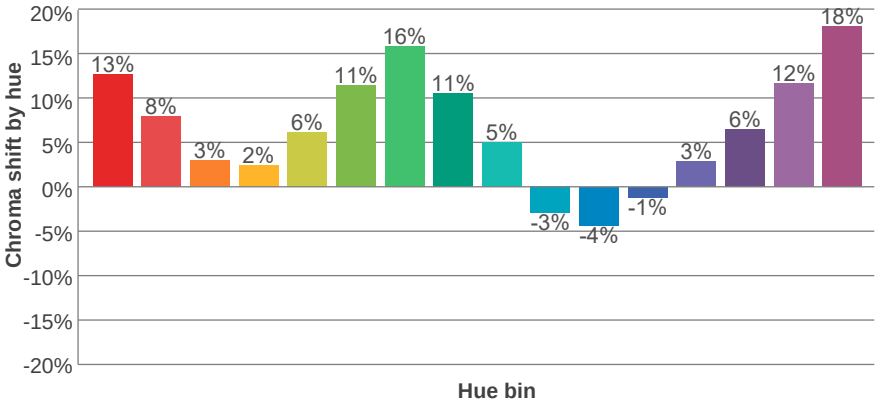
Gamut index Rg

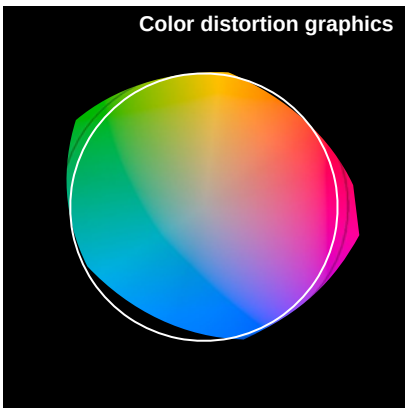
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	74	13%	-6%
2	77	8%	-10%
3	84	3%	-7%
4	91	2%	2%
5	87	6%	8%
6	78	11%	8%
7	75	16%	-1%
8	78	11%	-9%
9	78	5%	-13%
10	82	-3%	-12%
11	91	-4%	-3%
12	87	-1%	5%
13	86	3%	10%
14	78	6%	18%
15	78	12%	8%
16	77	18%	2%

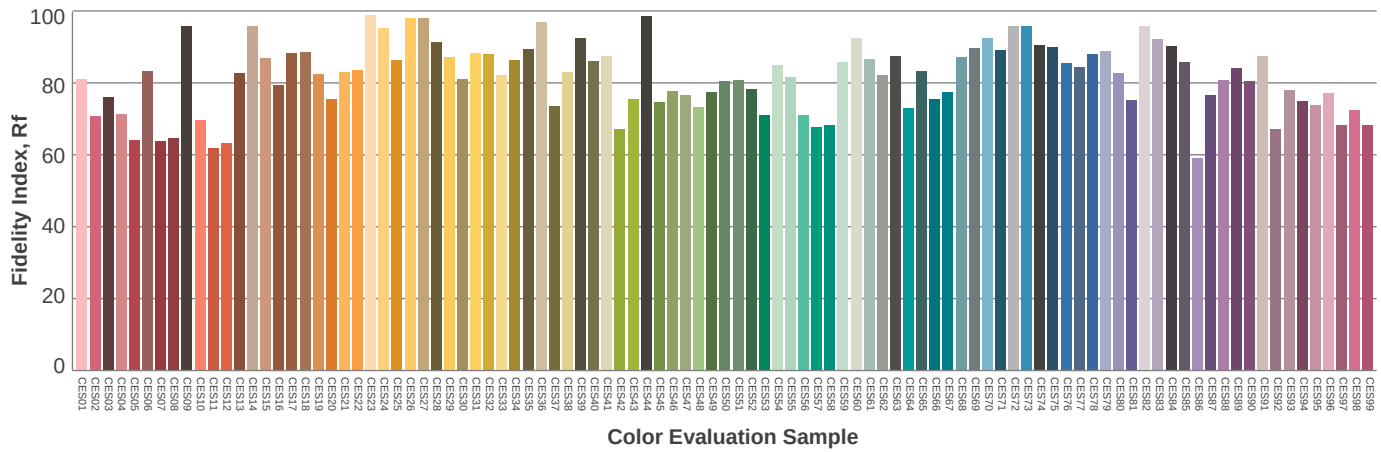




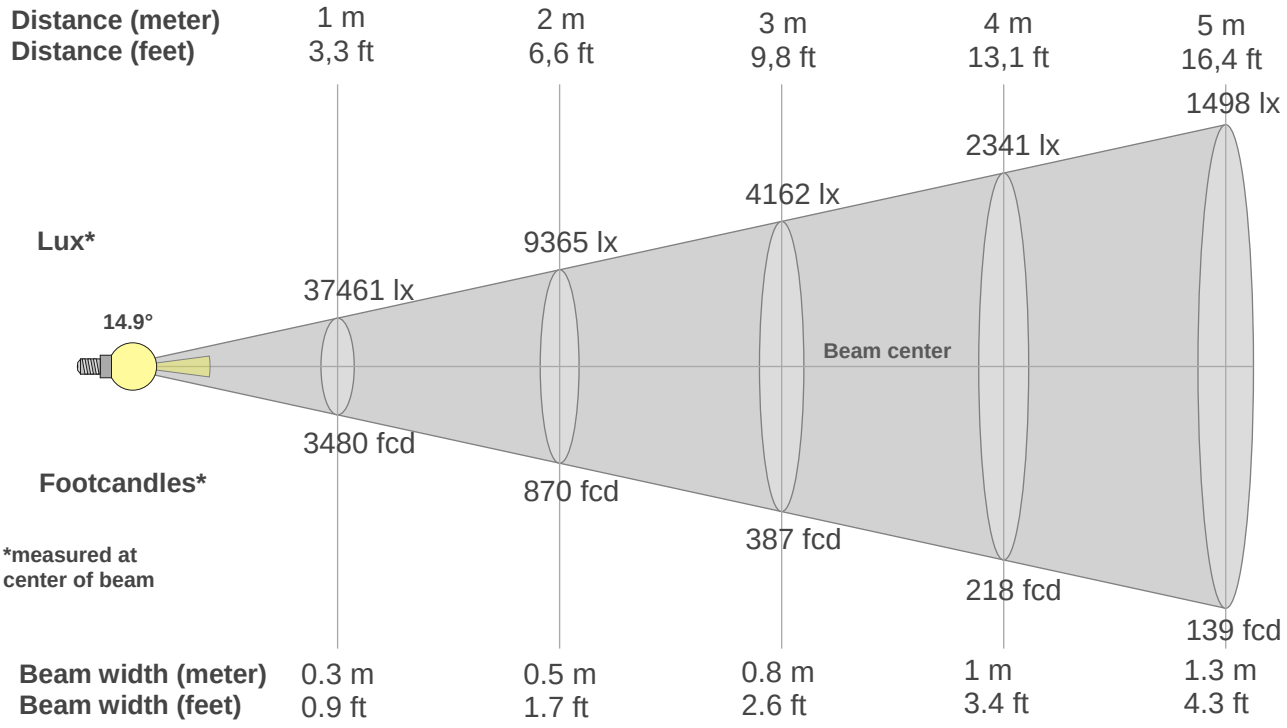








Beam details



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
37461lx	9365lx	4162lx	2341lx	1498lx	1041lx	765lx	585lx	462lx	375lx	310lx	260lx	222lx	191lx	166lx	146lx	130lx	116lx	104lx	94lx
3480.2fcd	870.1fcd	386.7fcd	217.5fcd	139.2fcd	96.7fcd	71fcd	54.4fcd	43fcd	34.8fcd	28.8fcd	24.2fcd	20.6fcd	17.8fcd	15.5fcd	13.6fcd	12fcd	10.7fcd	9.6fcd	8.7fcd

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°
37.5k	37.0k	35.9k	34.4k	32.3k	29.4k	26.0k	21.3k	15.4k	9.1k	4.0k	1.3k	0.2k	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°
37.5k	37.0k	35.9k	34.4k	32.3k	29.4k	26.0k	21.3k	15.4k	9.1k	4.0k	1.3k	0.2k	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°
37.5k	37.0k	35.9k	34.4k	32.3k	29.4k	26.0k	21.3k	15.4k	9.1k	4.0k	1.3k	0.2k	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%

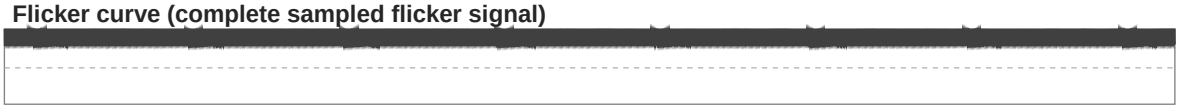
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
37.5k	37.0k	35.9k	34.4k	32.3k	29.4k	26.0k	21.3k	15.4k	9.1k	4.0k	1.3k	0.2k	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%

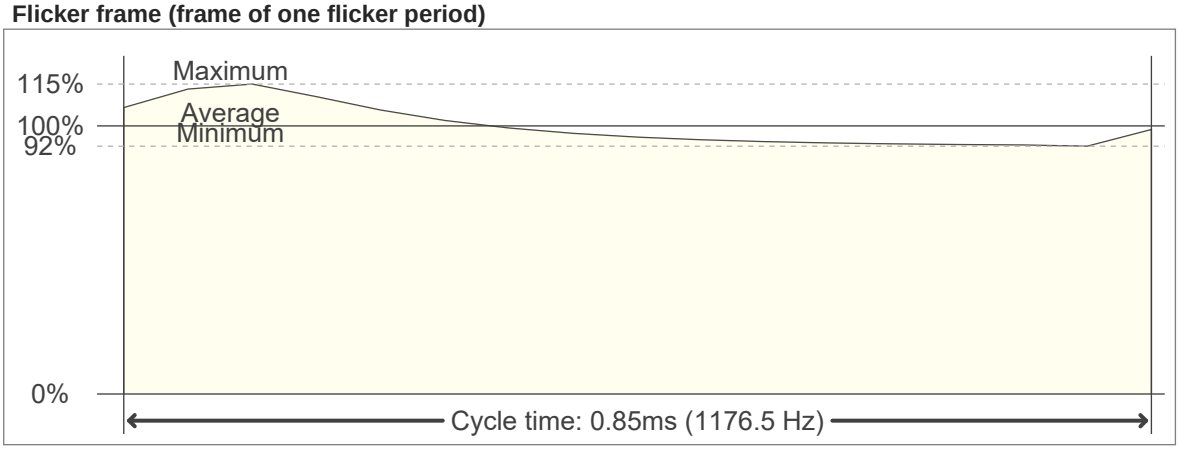
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.9°	**20.1°**	**22.5°**	**88.6%**	**86.5%**

Flicker

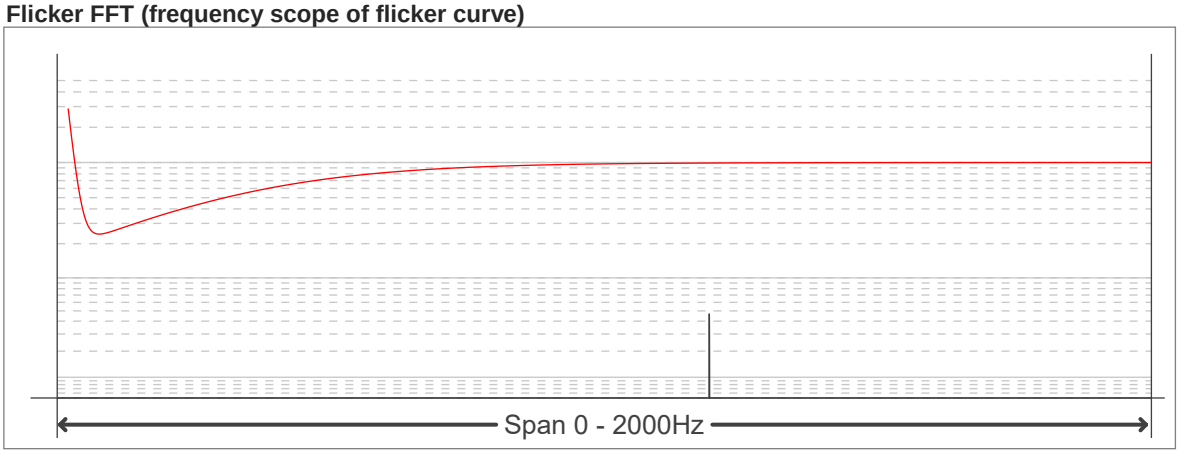
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.03	JA8/10 40Hz	0.15 %
Flicker percentage:	11.89 %	JA8/10 90Hz	0.19 %
SVM: (Visual flicker)	0.1	JA8/10 200Hz	0.29 %
PstLM	0	JA8/10 400Hz	0.47 %
Mp	0.08	JA8/10 1000Hz	1.81 %

Flicker conditions:

Sample rate:	20000 samples/second