Light efficiency:

18 Lumen/Watt

Light quality:

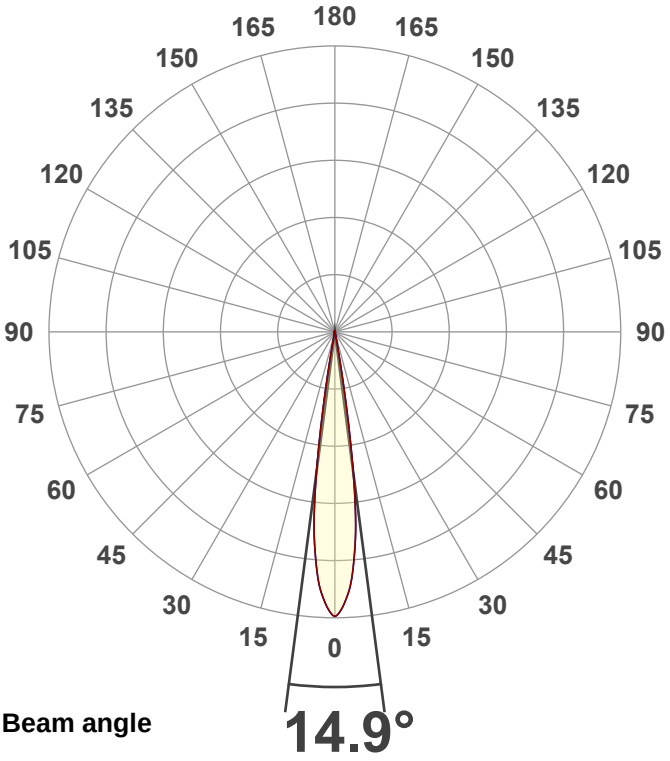
CRI: 82.6

Color temperature:

3145 K

Output: 1985 lm
Peak: 31683 cd

Power: 111.7 W
PF: 1.0



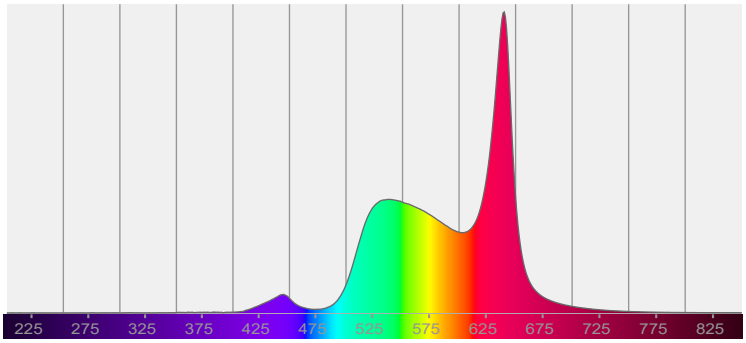
Beam angle 14.9°

Product name:
Vizi Xtreme (Full On,High CRI)
Item number:

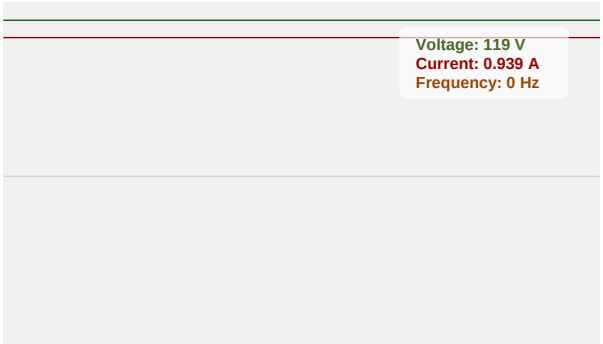
Date and time:
8/27/2026 8:47:28 AM

CIE 1931
x: 0.462
y: 0.477

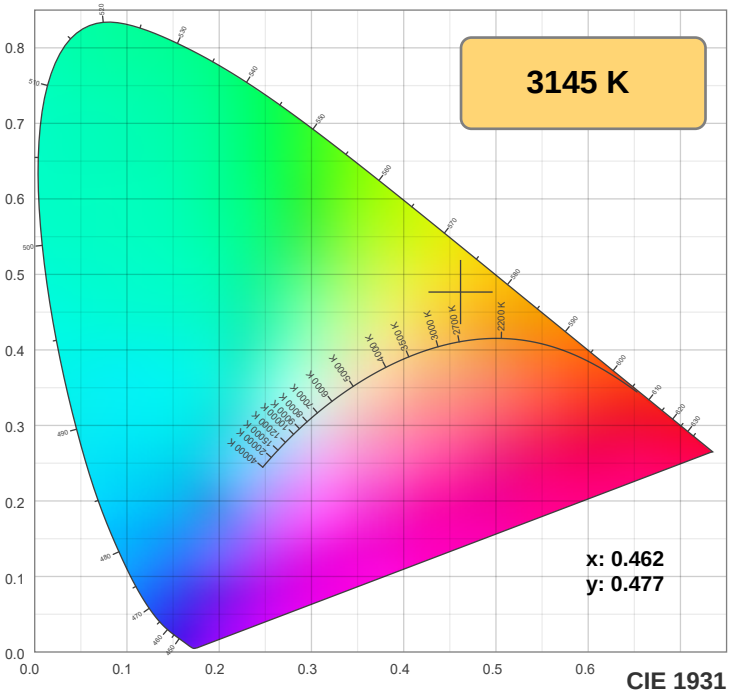
Spectra



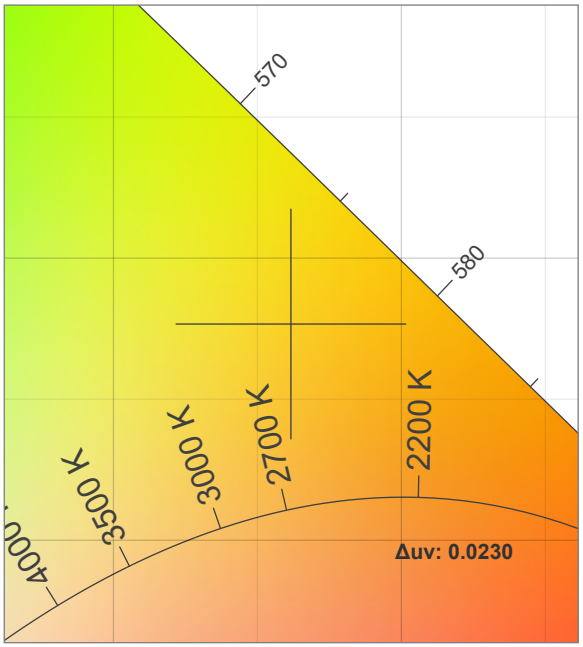
Power



Color details

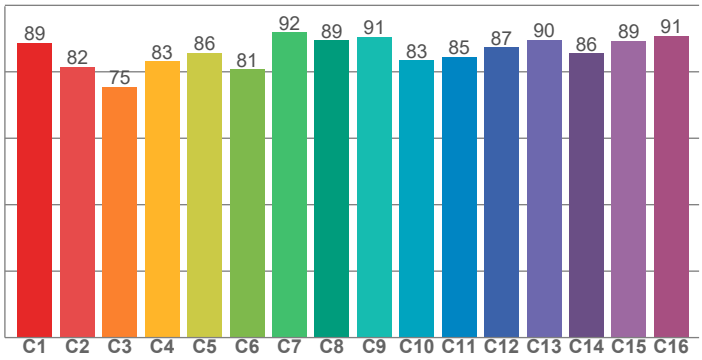


CIE 1931

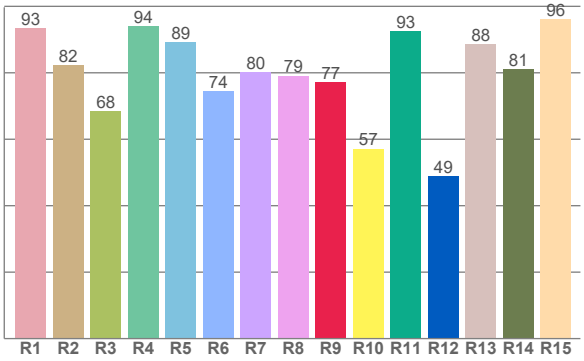


CIE 1931 ZOOM

TM-30: 85.7



CRI: 82.6 (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
93.5	82.3	68.5	94.0	89.1	74.5	80.1	79.1	77.1	57.1	92.5	48.8	88.5	81.0	96.2

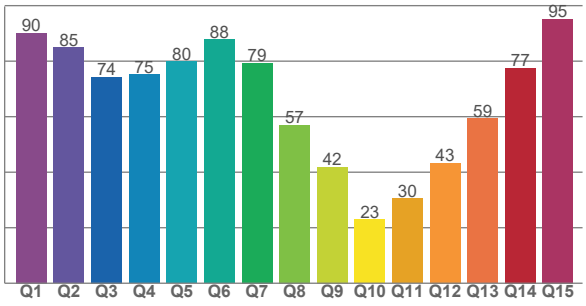
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.7	81.5	75.4	83.1	85.6	80.7	91.9	89.5	90.6	83.5	84.6	87.4	89.6	85.6	89.4	90.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.1	84.9	74.3	75.2	79.8	87.7	79.3	57.0	41.8	22.9	30.5	43.3	59.3	77.5	95.2

CQS: 59.6



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
3145 K	82.6	77.1	85.7	90.7	59.6	0.462	0.477	0.237	0.367	0.0230

TM-30 details

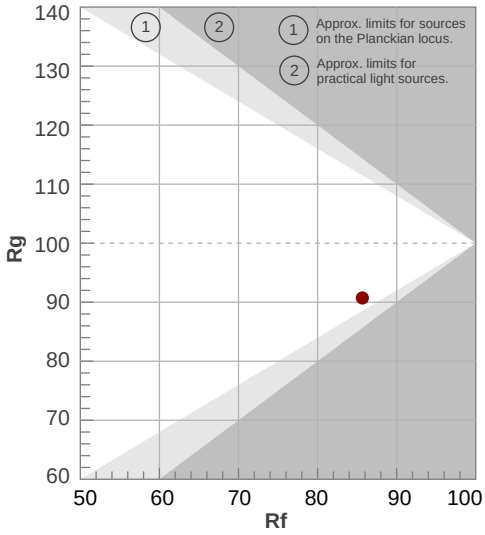
Rf 85.7

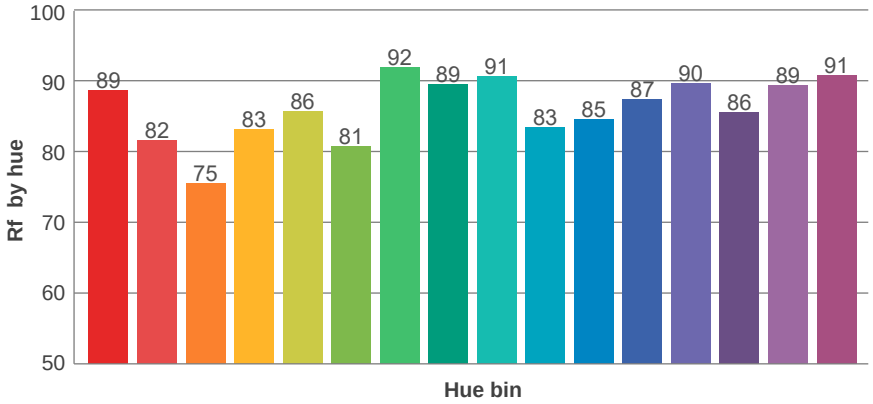
Fidelity index Rf

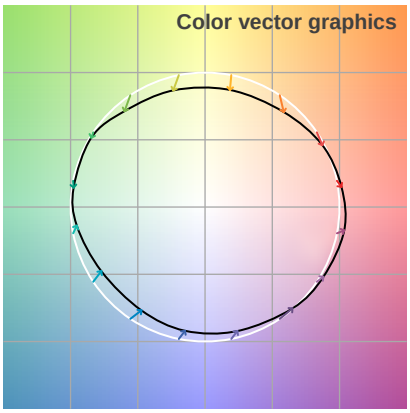
Rg 90.7

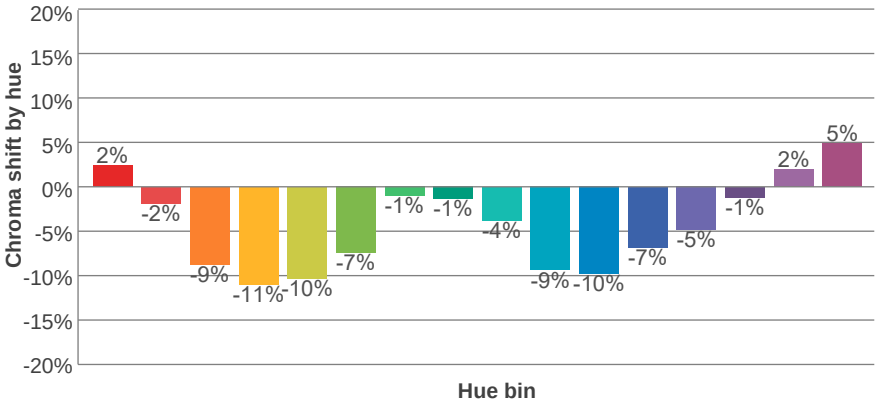
Gamut index Rg

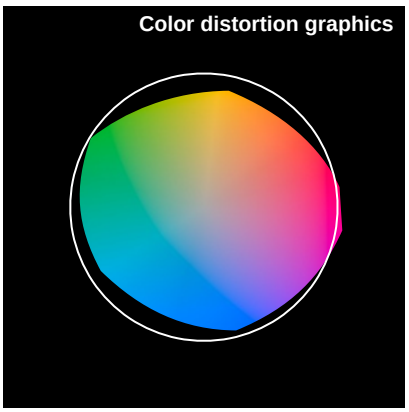
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	89	2%	-5%
2	82	-2%	-10%
3	75	-9%	-9%
4	83	-11%	-1%
5	86	-10%	6%
6	81	-7%	10%
7	92	-1%	4%
8	89	-1%	5%
9	91	-4%	-5%
10	83	-9%	-3%
11	85	-10%	3%
12	87	-7%	3%
13	90	-5%	6%
14	86	-1%	12%
15	89	2%	6%
16	91	5%	3%

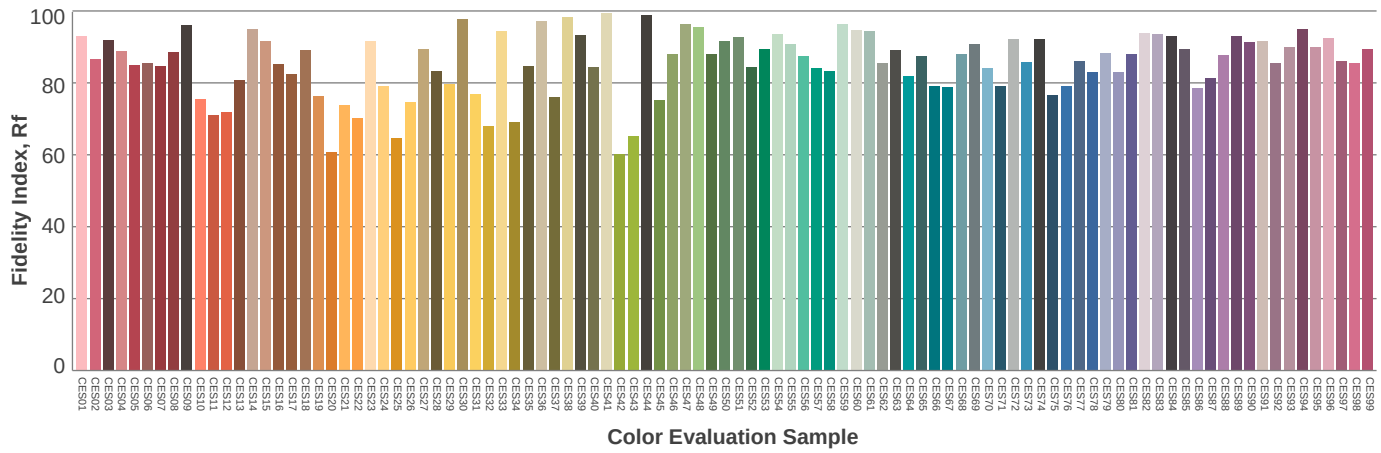




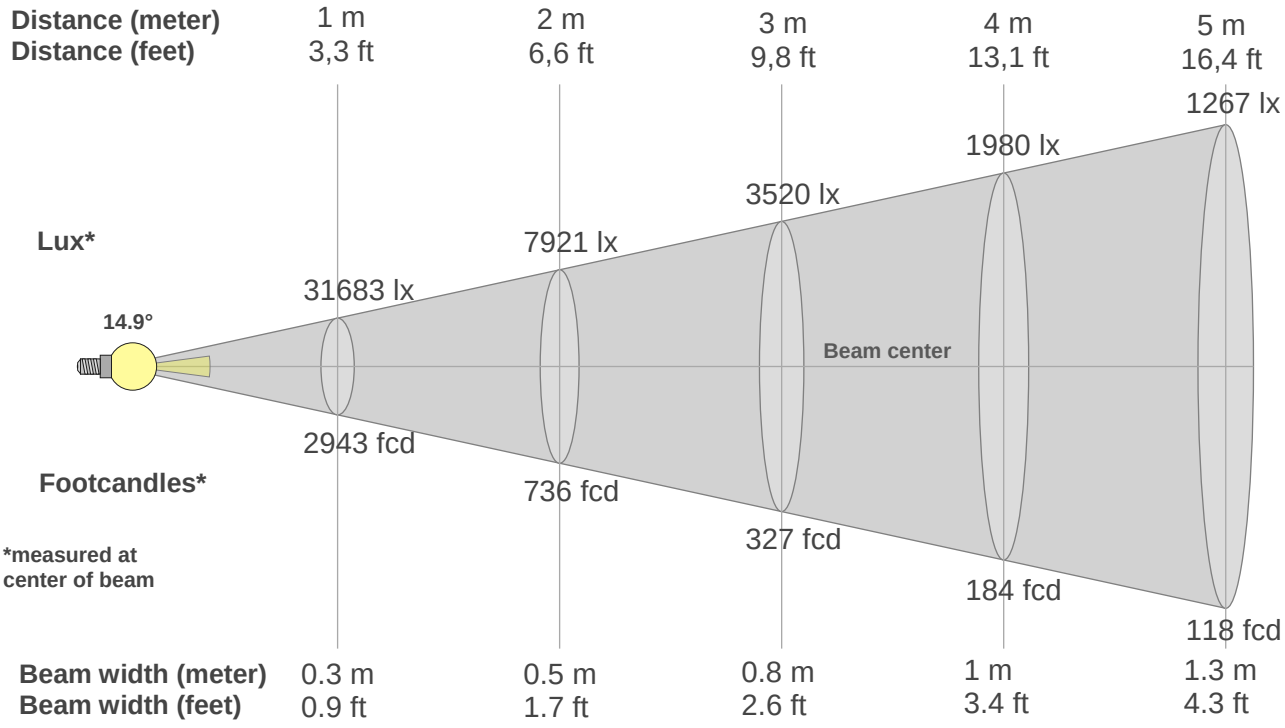








Beam details



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
31683lx	7921lx	3520lx	1980lx	1267lx	880lx	647lx	495lx	391lx	317lx	262lx	220lx	187lx	162lx	141lx	124lx	110lx	98lx	88lx	79lx
2943.5fcd	735.9fcd	327.1fcd	184fcd	117.7fcd	81.8fcd	60.1fcd	46fcd	36.3fcd	29.4fcd	24.3fcd	20.4fcd	17.4fcd	15fcd	13.1fcd	11.5fcd	10.2fcd	9.1fcd	8.2fcd	7.4fcd

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°
31.7k	31.2k	30.3k	29.1k	27.3k	25.0k	22.1k	18.0k	12.8k	7.4k	3.1k	1.0k	0.2k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	79%	70%	57%	41%	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°
31.7k	31.2k	30.3k	29.1k	27.3k	25.0k	22.1k	18.0k	12.8k	7.4k	3.1k	1.0k	0.2k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	79%	70%	57%	41%	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°
31.7k	31.2k	30.3k	29.1k	27.3k	25.0k	22.1k	18.0k	12.8k	7.4k	3.1k	1.0k	0.2k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	79%	70%	57%	41%	23%	10%	3%	1%	0%	0%	0%	0%	0%	0%	0%

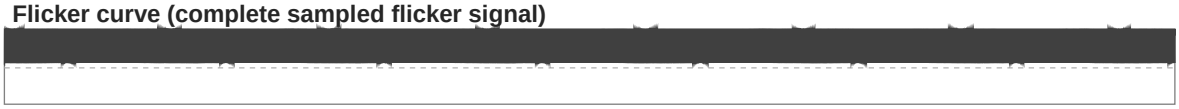
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
31.7k	31.2k	30.3k	29.1k	27.3k	25.0k	22.1k	18.0k	12.8k	7.4k	3.1k	1.0k	0.2k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	99%	96%	92%	86%	79%	70%	57%	41%	23%	10%	3%	1%	0%	0%	0%	0%	0%	0%	0%

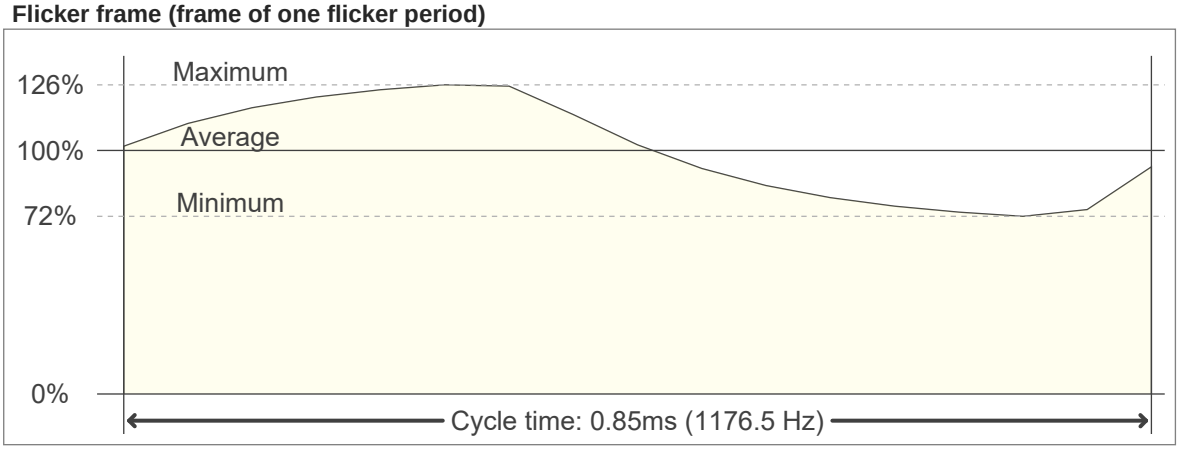
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.9°	**20°**	**22.3°**	**89.8%**	**87.9%**

Flicker

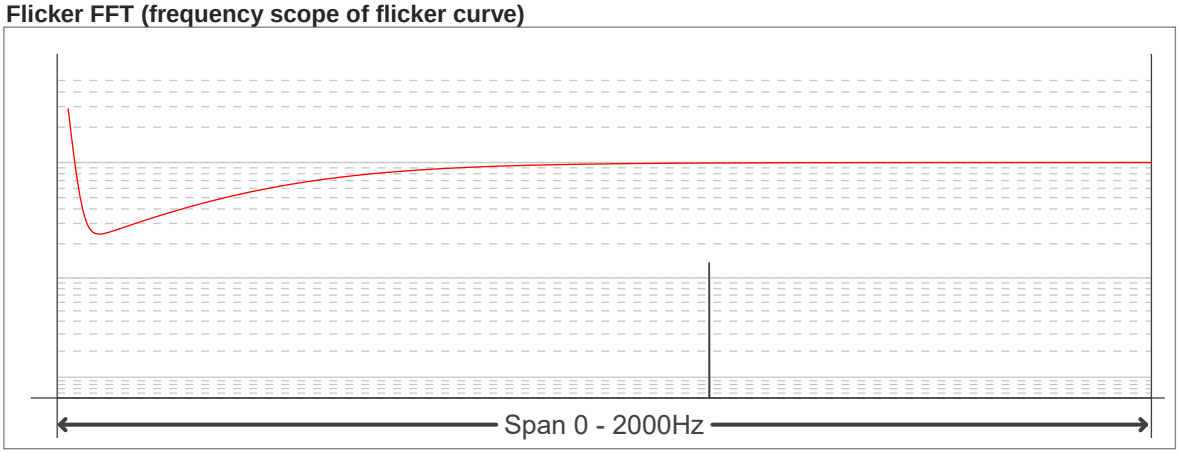
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.09	JA8/10 40Hz	0.16 %
Flicker percentage:	29.94 %	JA8/10 90Hz	0.27 %
SVM: (Visual flicker)	0.28	JA8/10 200Hz	0.49 %
PstLM	0	JA8/10 400Hz	0.99 %
Mp	0.09	JA8/10 1000Hz	3.71 %

Flicker conditions:

Sample rate:	20000 samples/second