

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 86.0

Color temperature:

9442 K

Output: 15082 lm

Peak: 11920 cd

Power: 195.7 W

PF: 1.0



Tracking number: [n/a](#)

Product name:

JoltBar FXIP

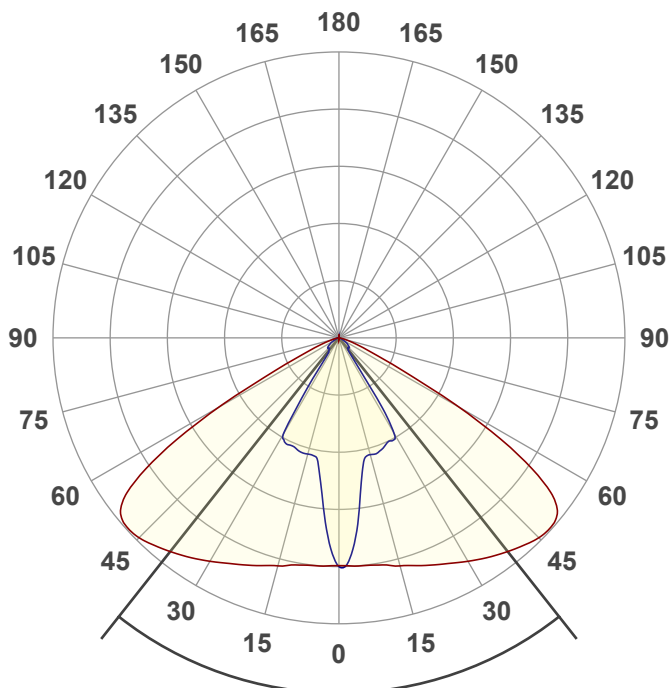
Item number:

Full On

Date and time:

4/16/2024 12:53:26 PM

Description:



Beam angle

76.6°

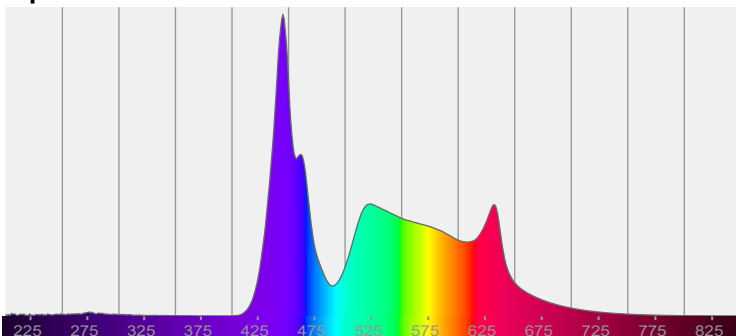


CIE 1931

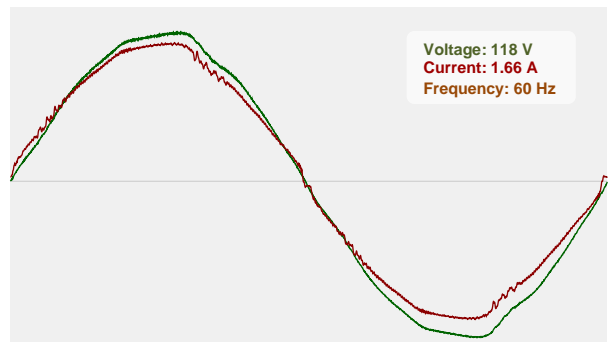
x: 0.290

y: 0.279

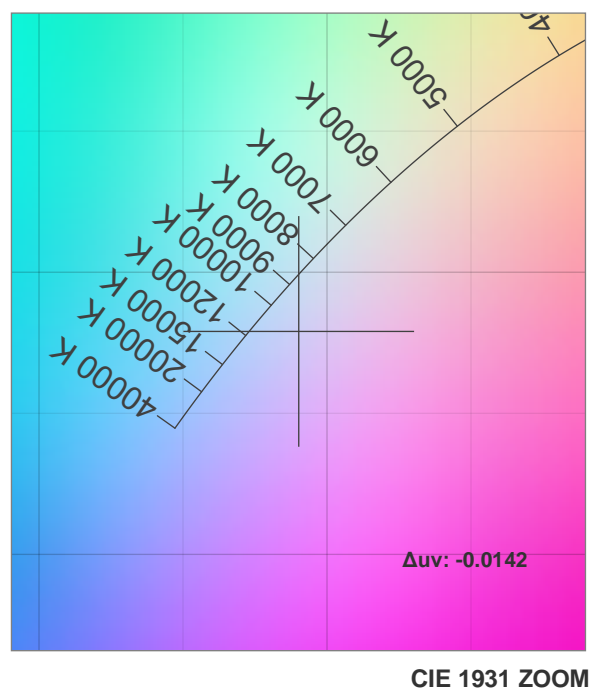
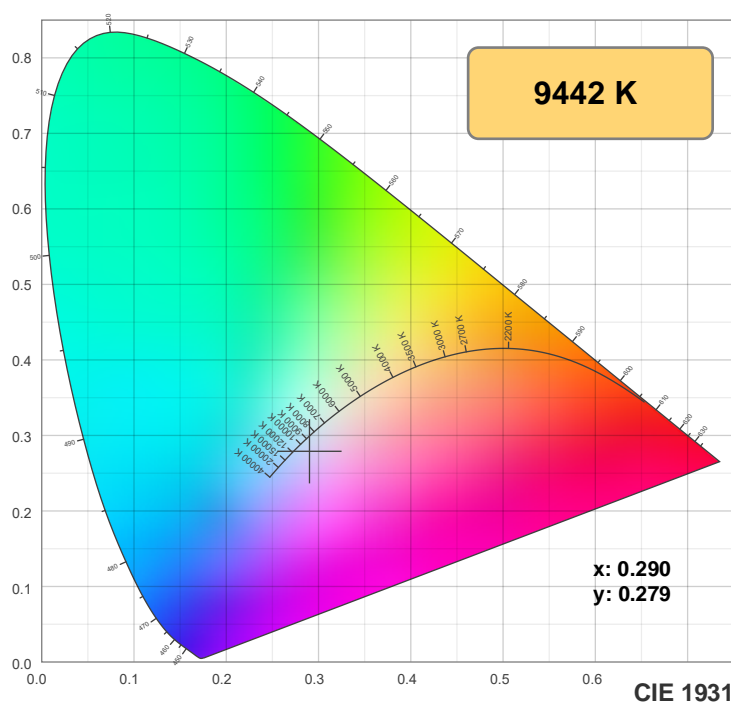
Spectra



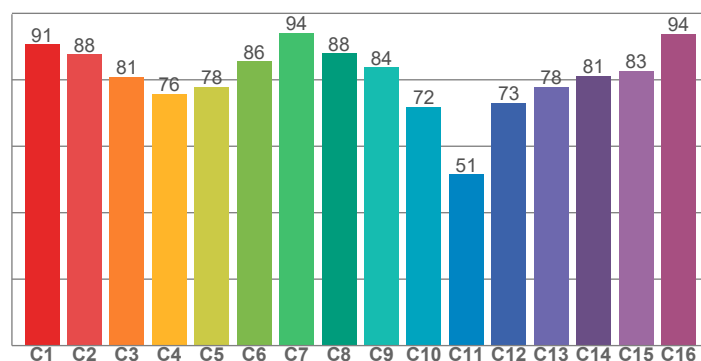
Power



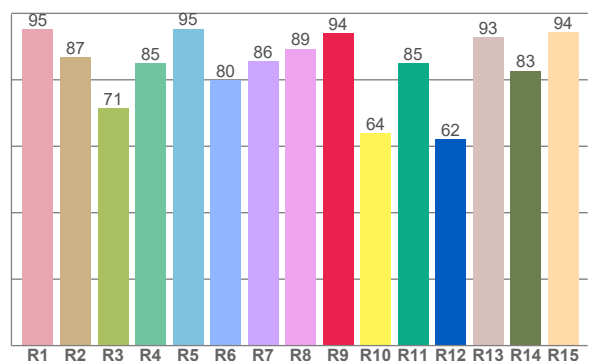
Color details



TM-30: 80.9



CRI: 86.0 (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
95.2	86.7	71.3	85.0	95.4	79.8	85.6	89.4	94.0	63.9	85.1	62.2	92.7	82.7	94.3

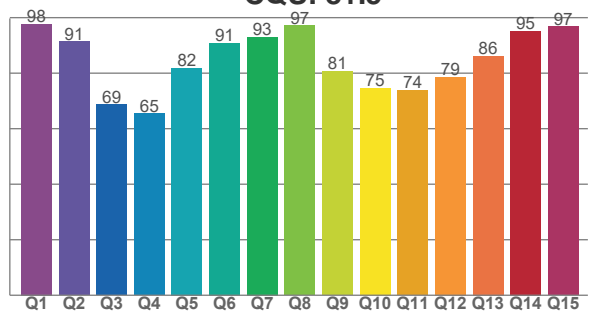
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.6	87.7	80.9	75.7	77.9	85.6	94.1	88.0	83.7	71.9	51.5	73.1	77.9	81.2	82.7	93.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.7	91.4	68.6	65.5	81.8	90.8	93.0	97.2	80.7	74.7	73.8	78.5	86.2	95.2	96.8

CQS: 81.5



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 deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
9442 K	86.0	94.0	80.9	105.2	81.5	0.290	0.279	0.201	0.290	-0.0142

TM-30 details

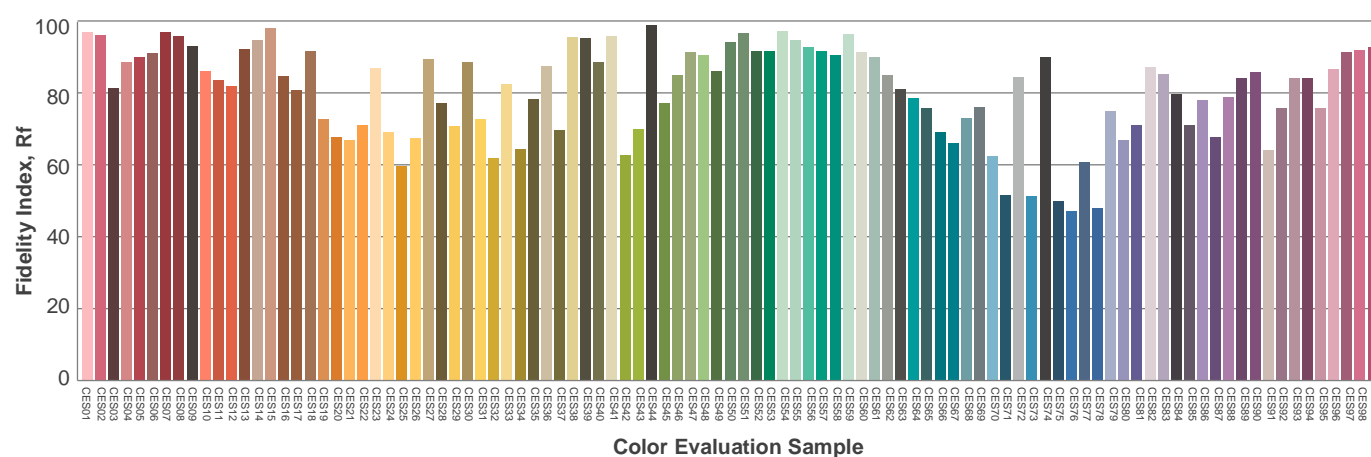
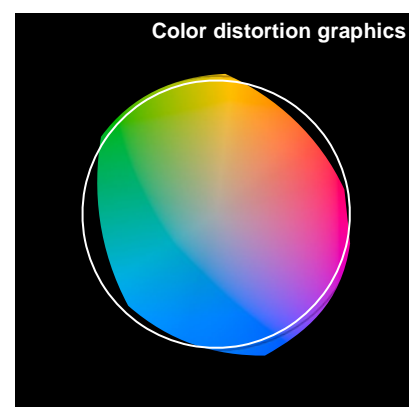
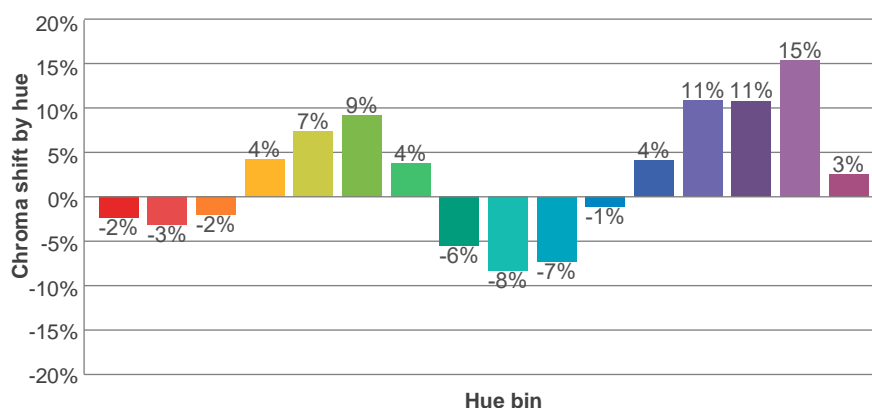
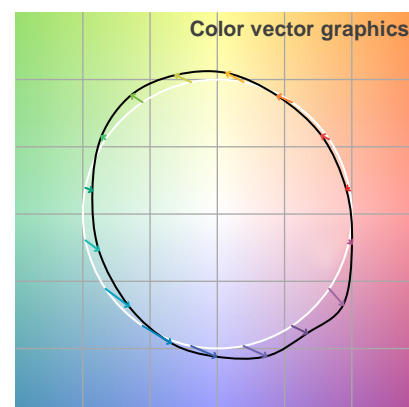
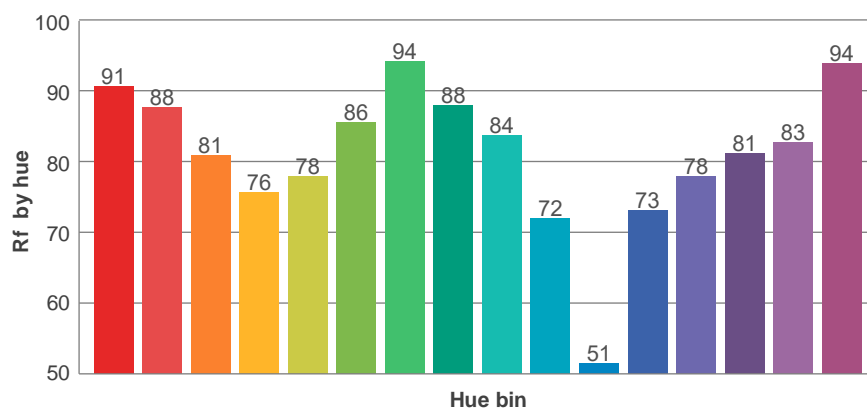
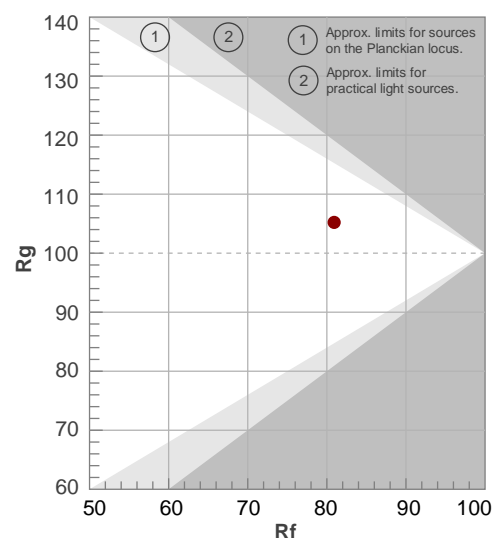
Rf 80.9

Fidelity index Rf

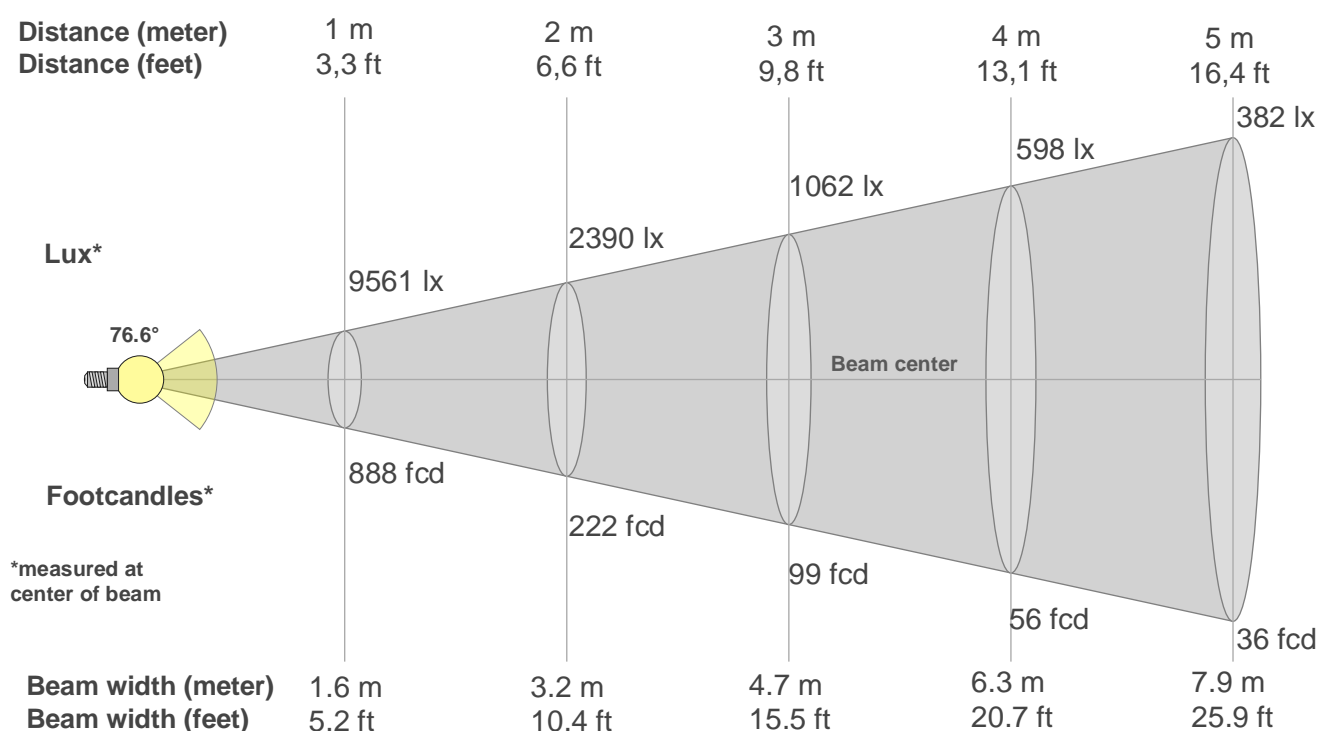
Rg 105.2

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	91	-2%	-1%
2	88	-3%	6%
3	81	-2%	12%
4	76	4%	14%
5	78	7%	10%
6	86	9%	4%
7	94	4%	0%
8	88	-6%	1%
9	84	-8%	9%
10	72	-7%	20%
11	51	-1%	24%
12	73	4%	20%
13	78	11%	15%
14	81	11%	6%
15	83	15%	-4%
16	94	3%	-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
9561lx	2390lx	1062lx	598lx	382lx	266lx	195lx	149lx	118lx	96lx	79lx	66lx	57lx	49lx	42lx	37lx	33lx	30lx	26lx	24lx
888.3fcd	222.1fcd	98.7fcd	55.5fcd	35.5fcd	24.7fcd	18.1fcd	13.9fcd	11fcd	8.9fcd	7.3fcd	6.2fcd	5.3fcd	4.5fcd	3.9fcd	3.5fcd	3.1fcd	2.7fcd	2.5fcd	2.2fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
9.6K	9.6K	9.6K	9.6K	9.6K	9.7K	9.7K	9.9K	9.9K	10.0K	10.2K	10.3K	10.4K	10.5K	10.7K	10.8K	11.0K	11.1K	11.3K	11.4K
100%	100%	100%	101%	101%	101%	102%	103%	104%	105%	106%	108%	109%	110%	112%	113%	115%	116%	118%	119%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
9561	9490	8769	7716	6524	5681	5192	5076	5085	5101	5039	4973	4877	4820	4842	4569	3256	1186	712	629
100%	99%	92%	81%	68%	59%	54%	53%	53%	53%	53%	52%	51%	50%	51%	48%	34%	12%	7%	7%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
9.6K	9.6K	9.6K	9.6K	9.6K	9.7K	9.7K	9.9K	9.9K	10.0K	10.2K	10.3K	10.4K	10.5K	10.7K	10.8K	11.0K	11.1K	11.3K	11.4K
100%	100%	100%	101%	101%	101%	102%	103%	104%	105%	106%	108%	109%	110%	112%	113%	115%	116%	118%	119%

Intensities in 270° c-plane

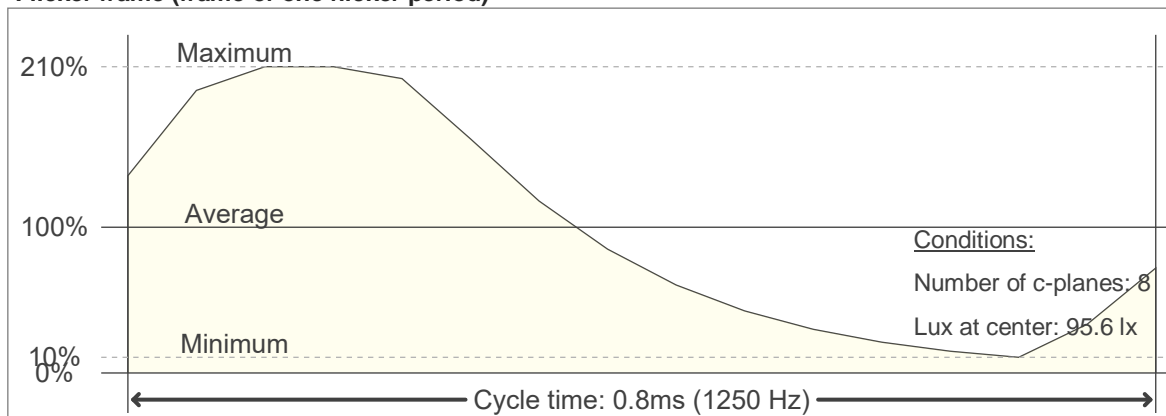
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
9561	8932	7878	6706	5822	5219	5066	5041	5057	5055	5019	4953	4941	4965	4884	4574	2711	1072	760	687
100%	93%	82%	70%	61%	55%	53%	53%	53%	53%	52%	52%	52%	52%	51%	48%	28%	11%	8%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
76.6°	92°	135.5°	93.8%	67.6%

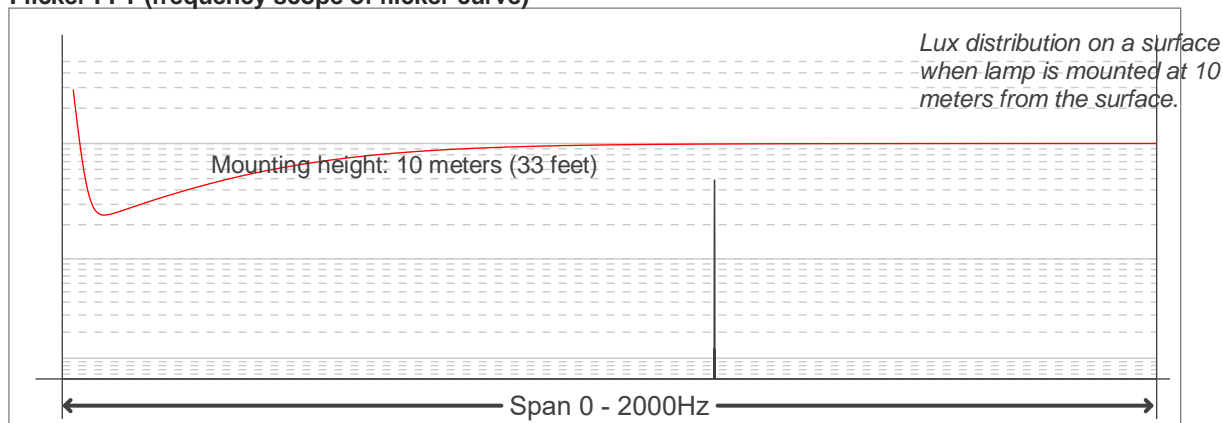
Flicker

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:	0.33	JA8/10 40Hz	0.17 %
Flicker percentage:	99.63 %	JA8/10 90Hz	0.2 %
SVM: (Visual flicker)	0.99	JA8/10 200Hz	0.3 %
PstLM	0	JA8/10 400Hz	0.39 %
Mp	0.04	JA8/10 1000Hz	3.48 %

Flicker conditions:

Sample rate:	20000 samples/second
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