

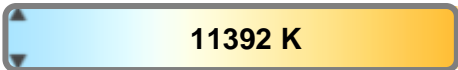
Light efficiency:



Light quality:



Color temperature:



Output: 1348 lm
Peak: 26142 cd
Power: 57.5 W
PF: 0.98



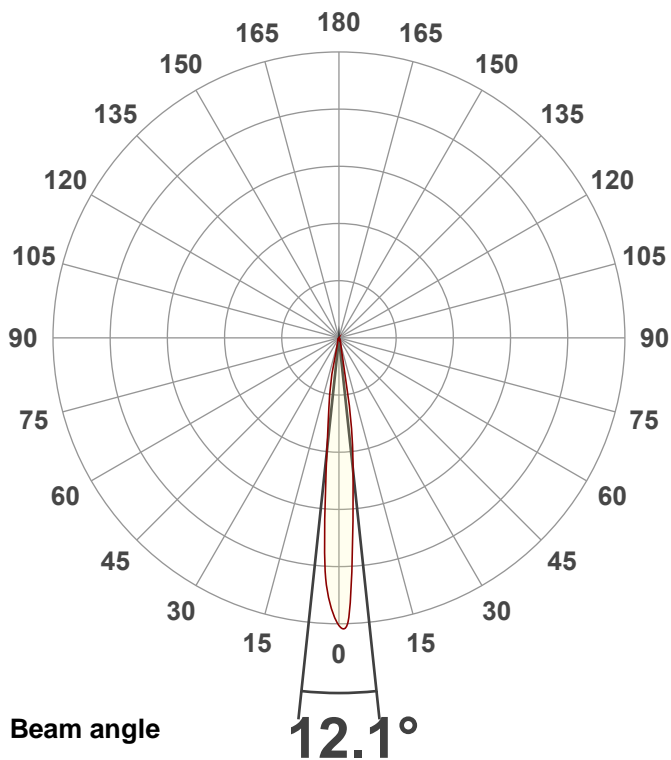
Tracking number: [n/a](#)

Product name:
ElectraPix Par 7

Item number:
Full On

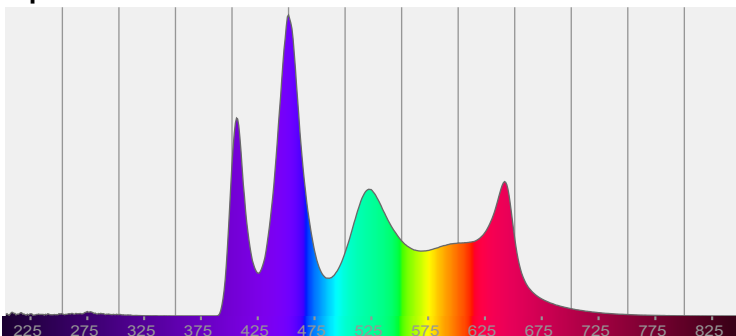
Date and time:
9/4/2024 10:30:26 AM

Description:

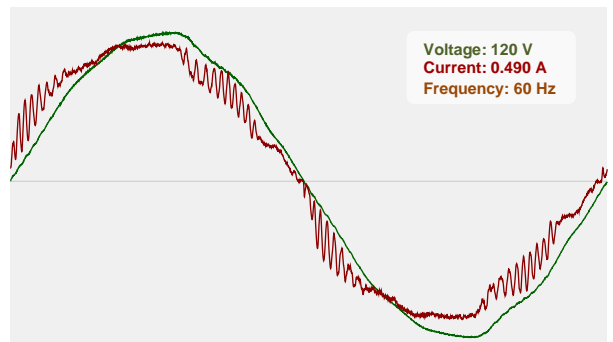


CIE 1931
x: 0.284
y: 0.264

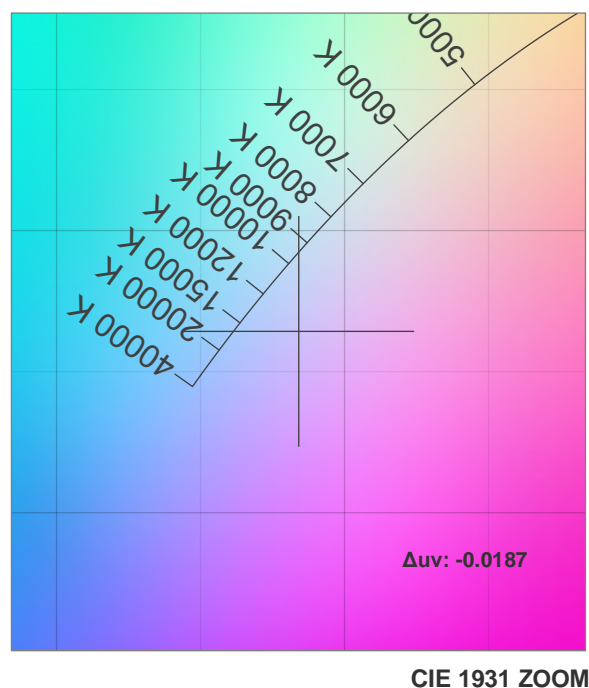
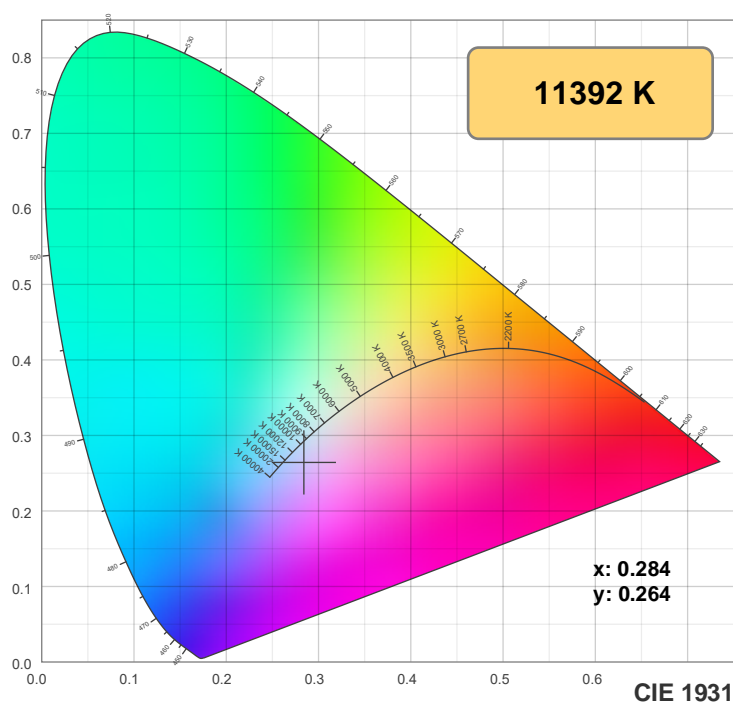
Spectra



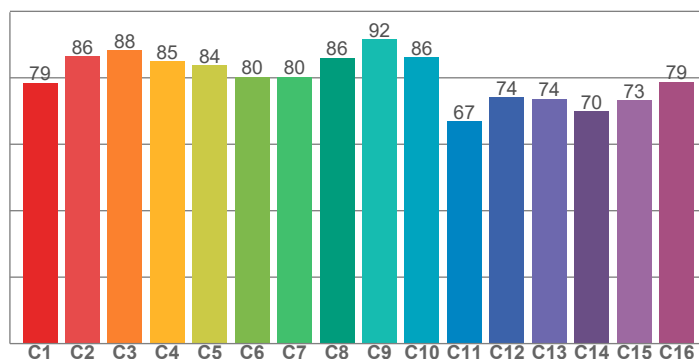
Power



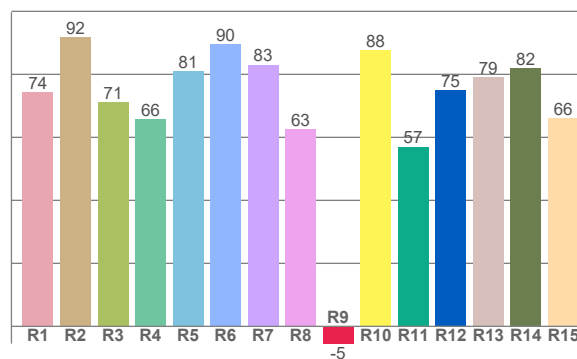
Color details



TM-30: 81.3



CRI: 77.4 (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
74.3	91.8	71.2	65.8	81.0	89.5	83.1	62.6	-5.5	87.6	57.0	75.0	79.1	81.8	66.2

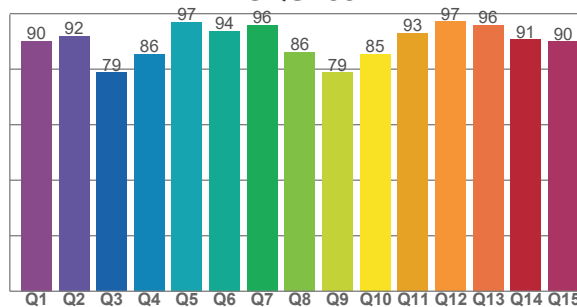
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.5	86.4	88.3	84.9	83.7	80.3	80.3	86.0	91.6	86.2	67.0	74.1	73.7	69.9	73.2	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.1	92.0	78.7	85.5	96.9	93.7	96.0	86.2	78.7	85.4	93.1	97.3	95.8	90.6	89.9

CQS: 88.4



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
11392 K	77.4	-5.5	81.3	113.3	88.4	0.284	0.264	0.203	0.283	-0.0187

TM-30 details

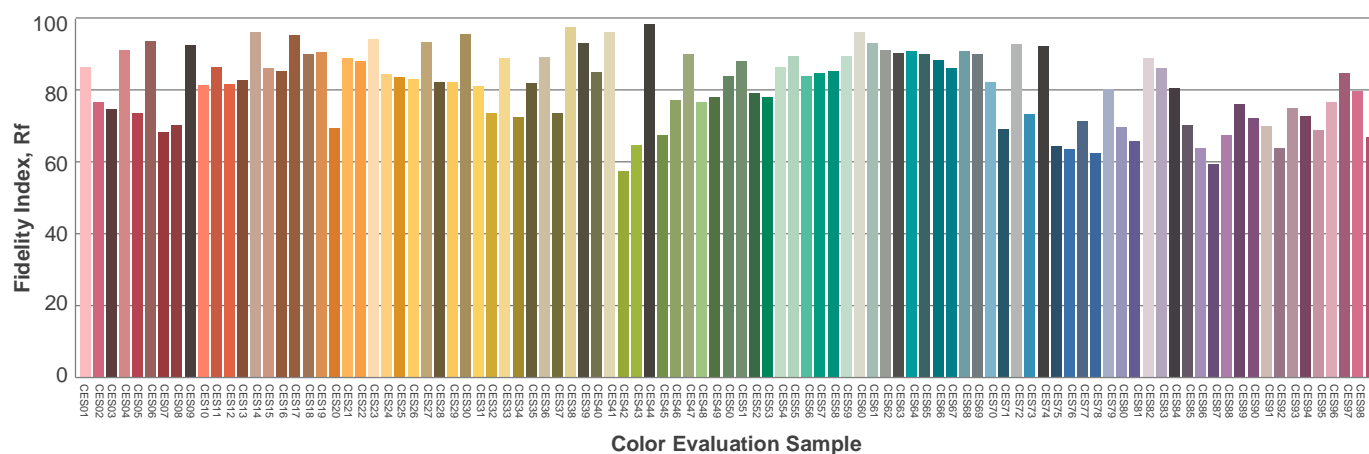
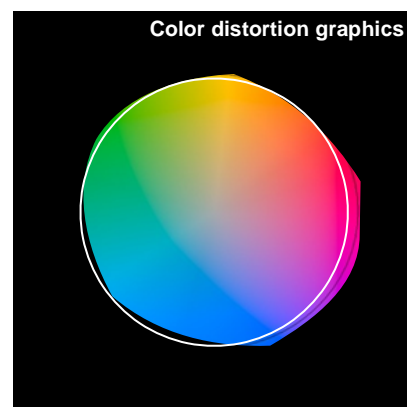
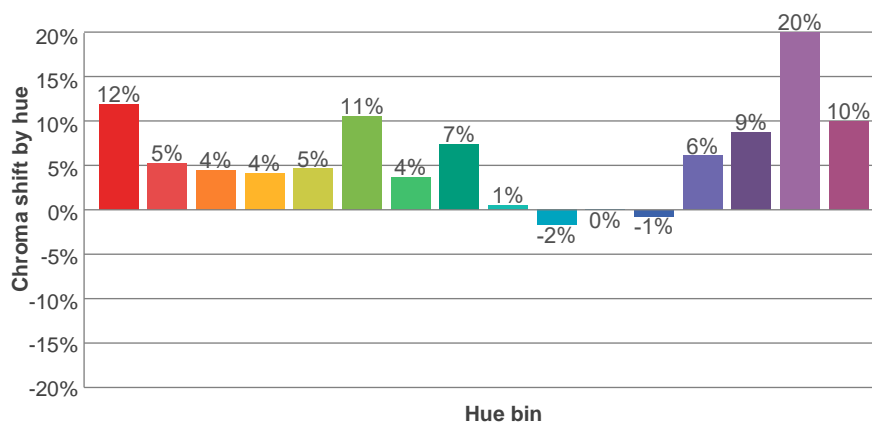
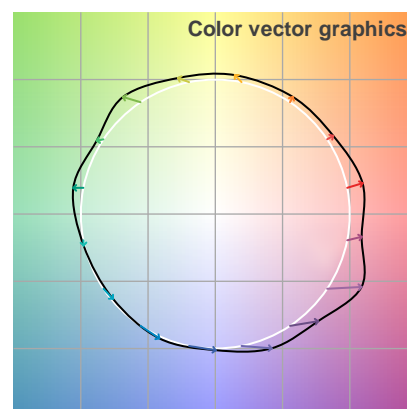
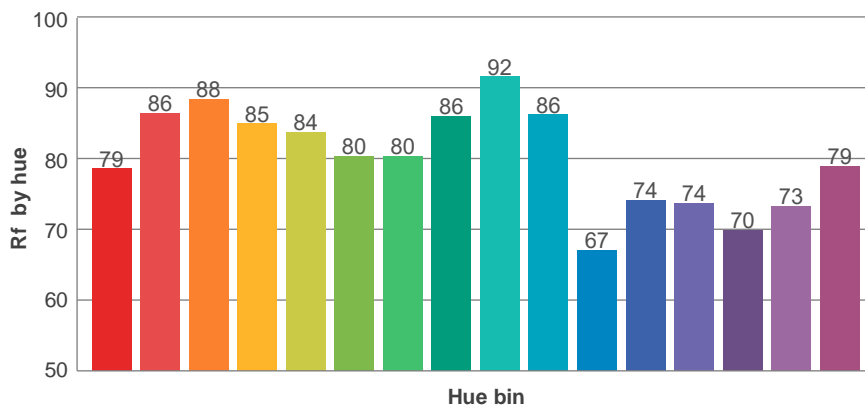
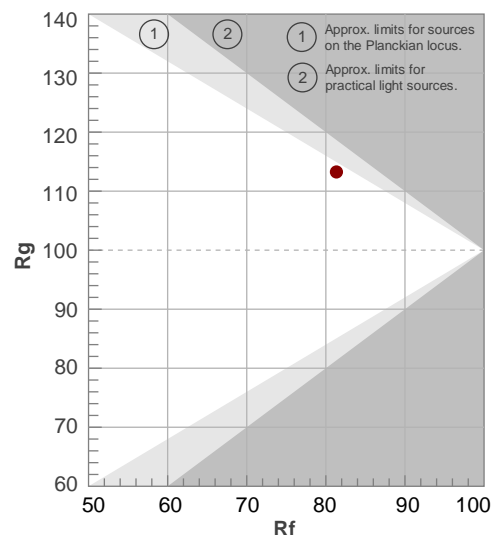
Rf 81.3

Fidelity index Rf

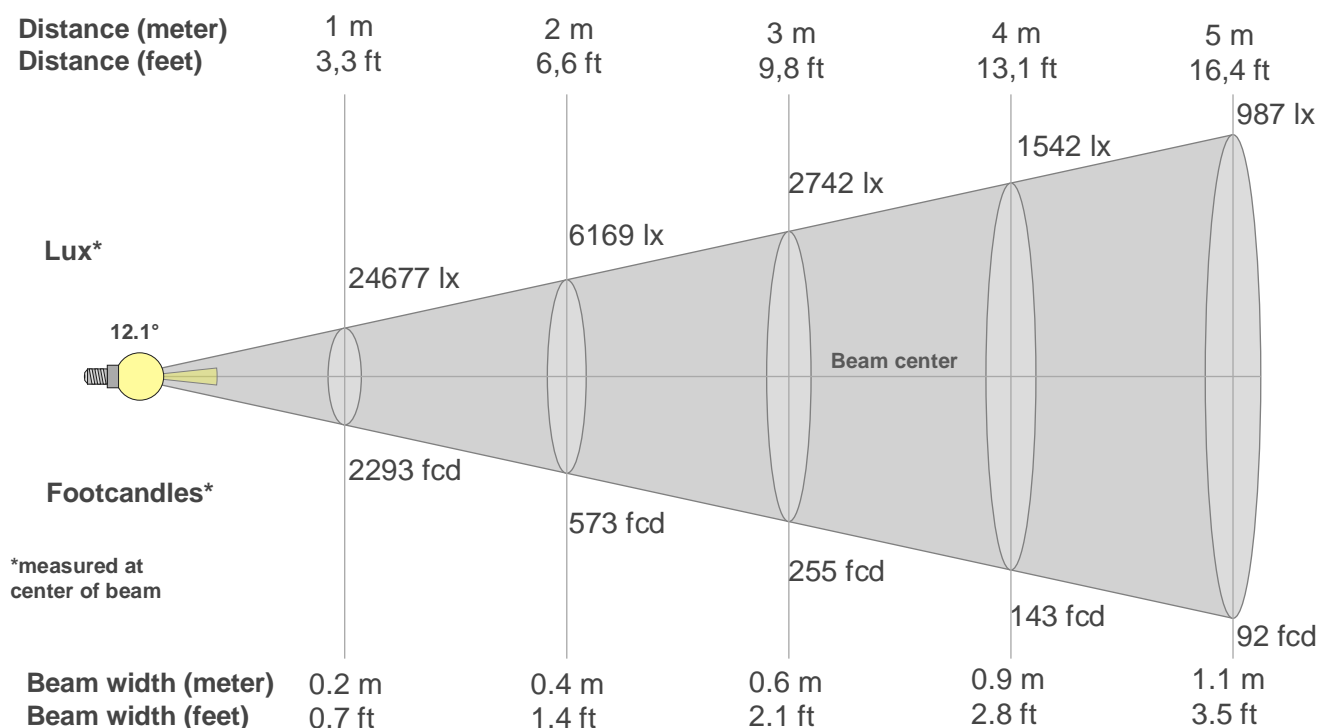
Rg 113.3

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	79	12%	1%
2	86	5%	0%
3	88	4%	1%
4	85	4%	6%
5	84	5%	8%
6	80	11%	9%
7	80	4%	4%
8	86	7%	2%
9	92	1%	4%
10	86	-2%	10%
11	67	0%	17%
12	74	-1%	20%
13	74	6%	22%
14	70	9%	19%
15	73	20%	15%
16	79	10%	5%



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
24677lx	6169lx	2742lx	1542lx	987lx	685lx	504lx	386lx	305lx	247lx	204lx	171lx	146lx	126lx	110lx	96lx	85lx	76lx	68lx	62lx
2292.6fcd	573.1fcd	254.7fcd	143.3fcd	91.7fcd	63.7fcd	46.8fcd	35.8fcd	28.3fcd	22.9fcd	18.9fcd	15.9fcd	13.6fcd	11.7fcd	10.2fcd	9fcd	7.9fcd	7.1fcd	6.4fcd	5.7fcd

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°
24.7K	25.5K	25.6K	22.5K	19.5K	16.4K	13.3K	10.4K	8.5K	6.6K	4.7K	2.8K	1.1K	1.0K	0.8K	0.6K	0.4K	0.2K	0.2K	0.1K
100%	103%	104%	91%	79%	66%	54%	42%	34%	27%	19%	11%	5%	4%	3%	2%	1%	1%	1%	1%

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°
24.7K	25.5K	25.6K	22.5K	19.5K	16.4K	13.3K	10.4K	8.5K	6.6K	4.7K	2.8K	1.1K	1.0K	0.8K	0.6K	0.4K	0.2K	0.2K	0.1K
100%	103%	104%	91%	79%	66%	54%	42%	34%	27%	19%	11%	5%	4%	3%	2%	1%	1%	1%	1%

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°
24.7K	23.9K	23.1K	22.3K	19.5K	16.4K	13.3K	10.2K	7.0K	5.6K	4.4K	3.3K	2.1K	1.0K	0.7K	0.6K	0.5K	0.4K	0.3K	0.2K
100%	97%	94%	90%	79%	66%	54%	41%	28%	23%	18%	13%	9%	4%	3%	2%	2%	2%	1%	1%

Intensities in 270° c-plane

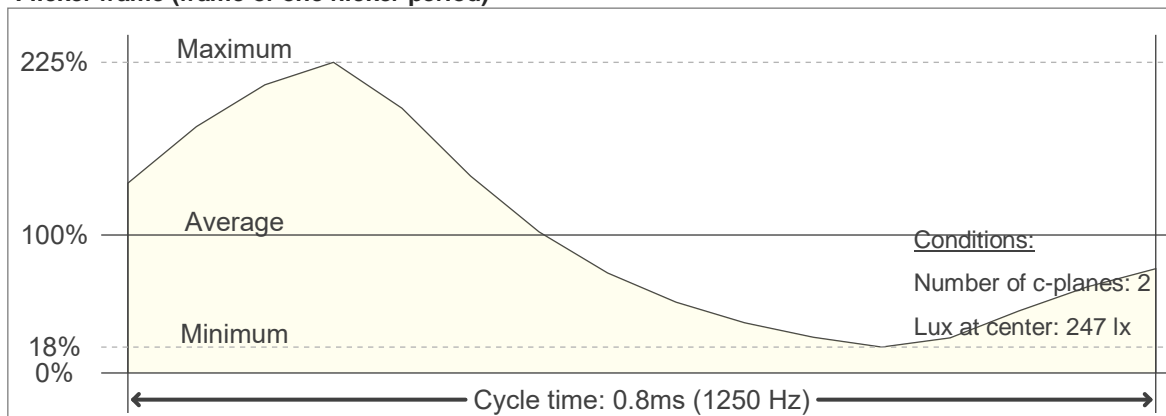
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
24.7K	23.9K	23.1K	22.3K	19.5K	16.4K	13.3K	10.2K	7.0K	5.6K	4.4K	3.3K	2.1K	1.0K	0.7K	0.6K	0.5K	0.4K	0.3K	0.2K
100%	97%	94%	90%	79%	66%	54%	41%	28%	23%	18%	13%	9%	4%	3%	2%	2%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	22.6°	29°	100.0%	100.0%

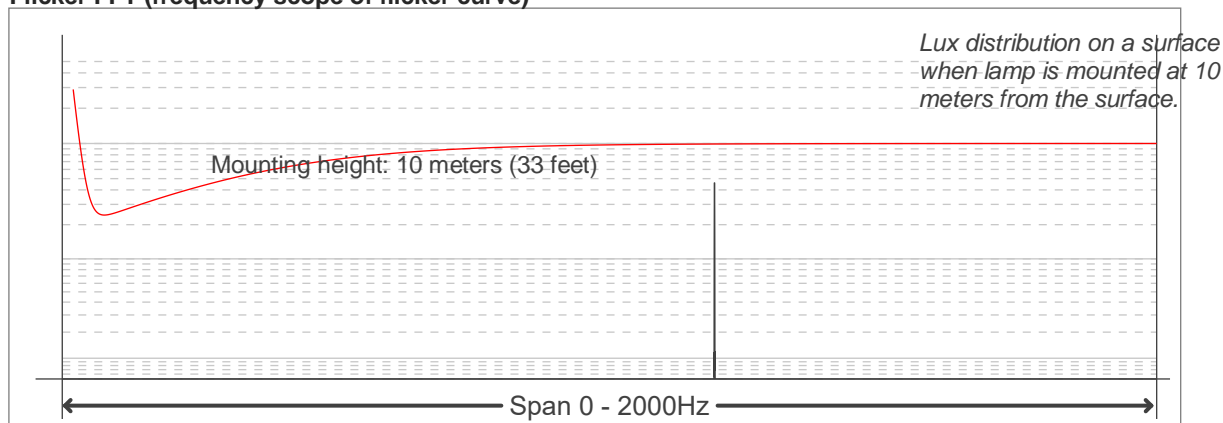
Flicker

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:	0.3	JA8/10 40Hz	1.51 %
Flicker percentage:	95.58 %	JA8/10 90Hz	3.42 %
SVM: (Visual flicker)	0.93	JA8/10 200Hz	7.79 %
PstLM	0.03	JA8/10 400Hz	16.27 %
Mp	0.27	JA8/10 1000Hz	52.05 %

Flicker conditions:

Sample rate:	20000 samples/second
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