

Light efficiency:



Light quality:



Color temperature:



Output: 1903 lm

Peak: 8216 cd

Power: 56.1 W

PF: 0.98



Tracking number: [n/a](#)

Product name:

**ElectraPix Bar 16**

Item number:

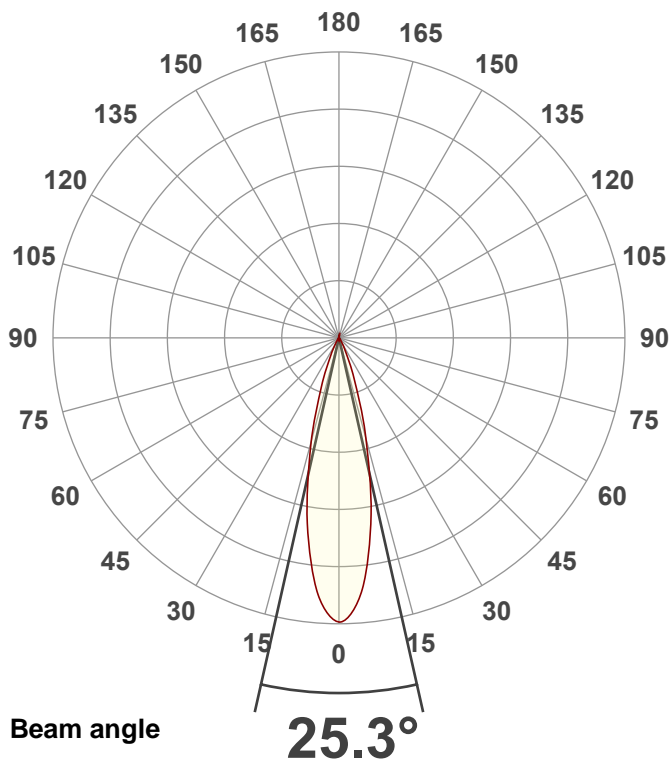
**4000K**

Date and time:

**8/28/2024 4:58:15 PM**

Description:

**@ 30**

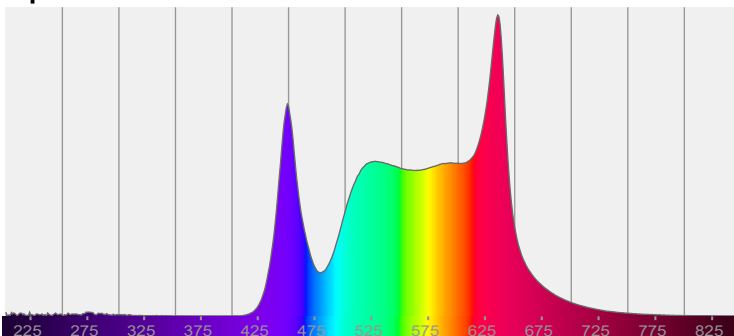


CIE 1931

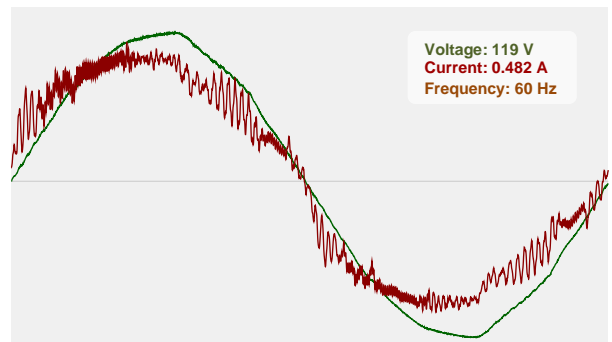
x: 0.380

y: 0.376

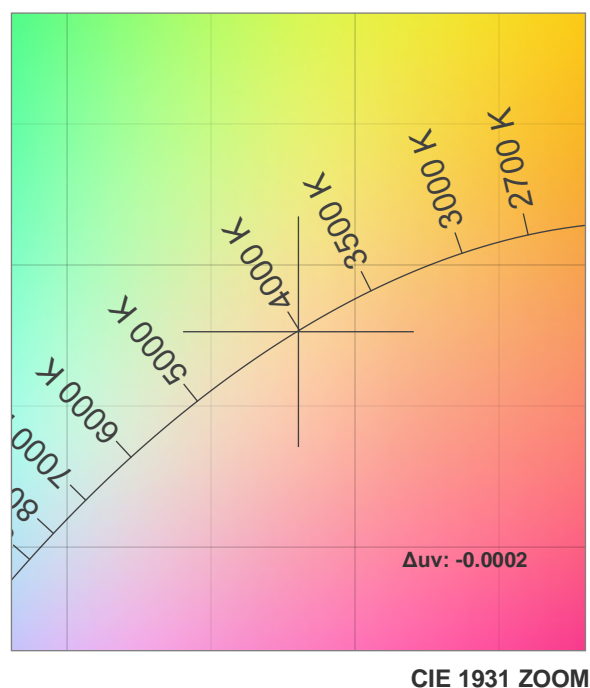
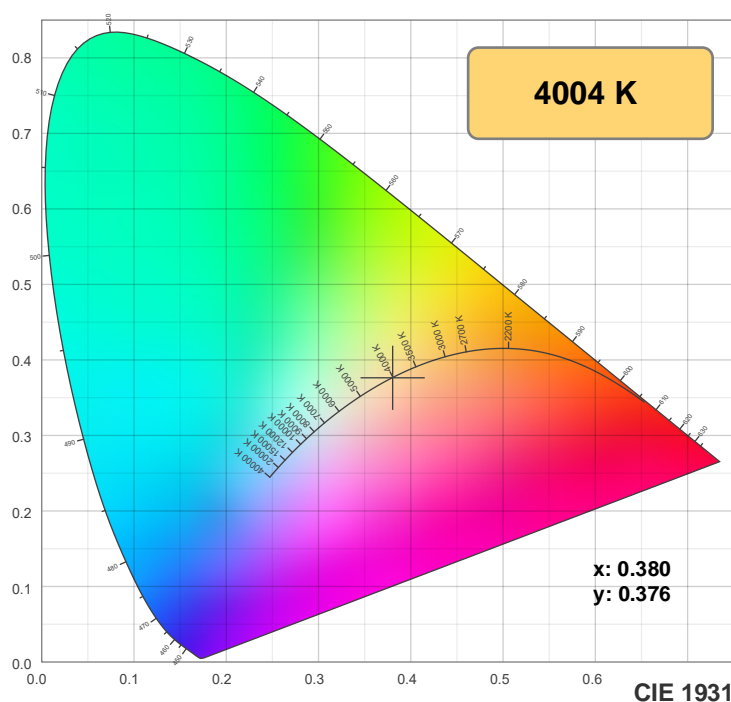
Spectra



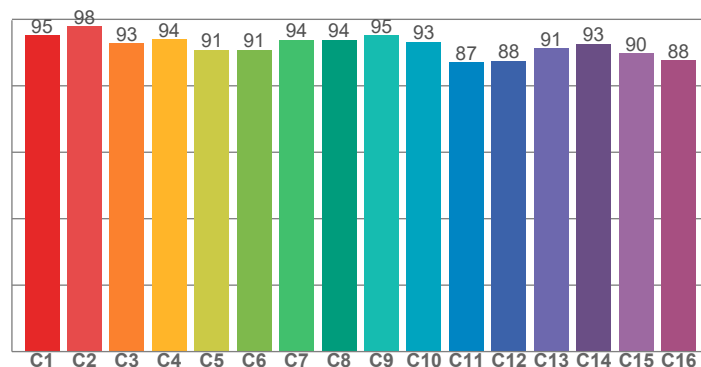
Power



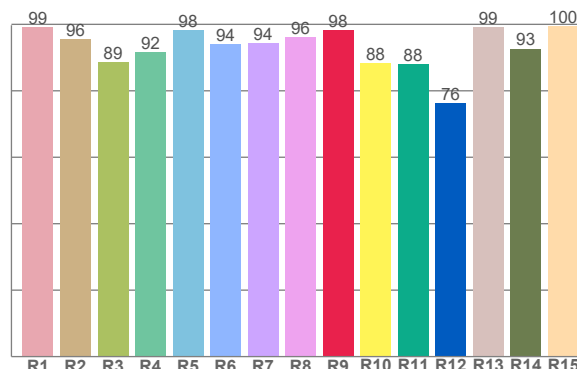
## Color details



**TM-30: 92.2**



**CRI: 94.7 (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
99.2	95.6	88.7	91.5	98.3	94.1	94.4	96.2	98.3	88.2	88.1	76.4	99.1	92.7	99.5

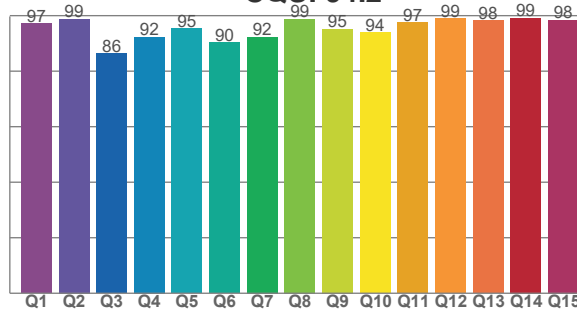
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	97.9	92.9	94.0	90.8	90.9	93.9	93.8	95.2	93.2	87.0	87.6	91.4	92.6	89.7	87.7

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.2	98.7	86.4	92.3	95.3	90.3	92.4	98.8	95.1	94.0	97.5	98.9	98.3	99.1	98.5

**CQS: 94.2**



### 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
4004 K	94.7	98.3	92.2	104.3	94.2	0.380	0.376	0.225	0.334	-0.0002

## TM-30 details

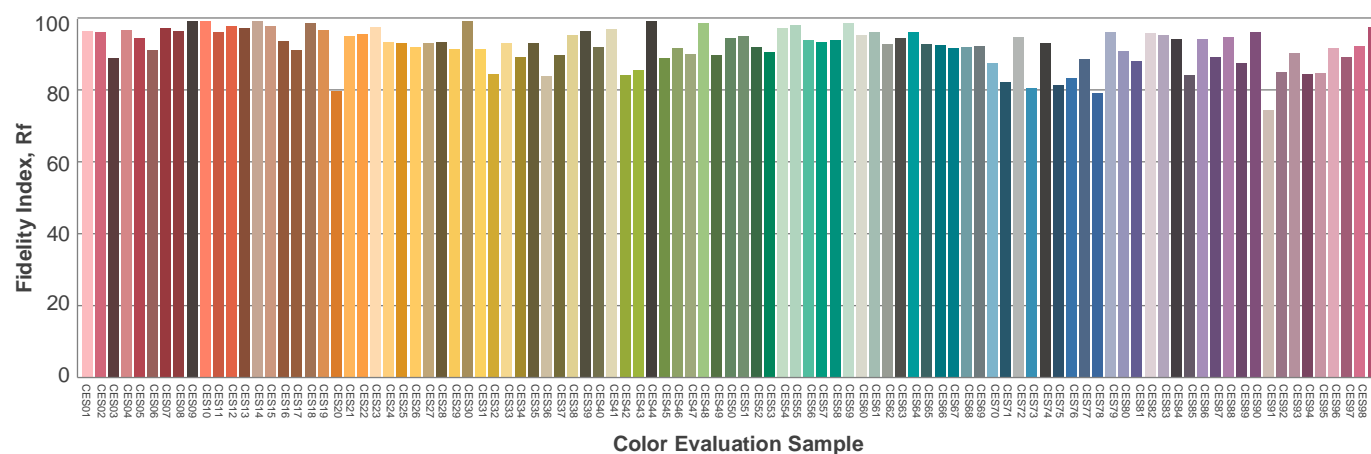
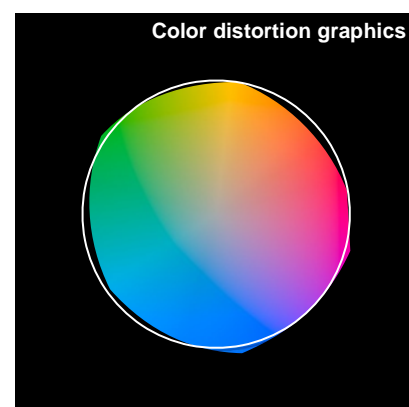
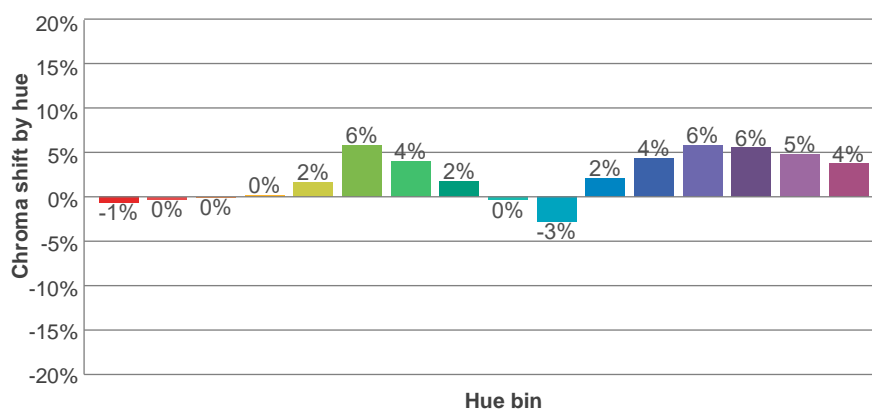
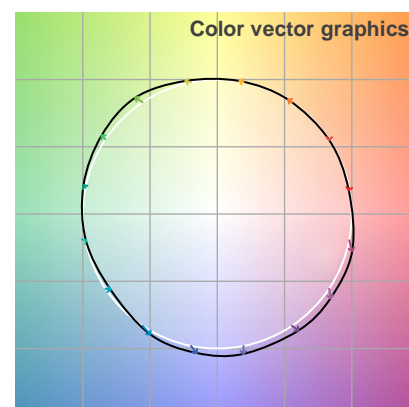
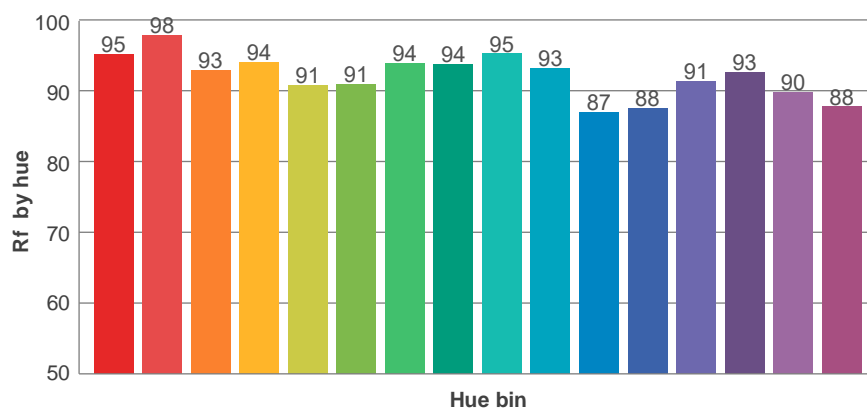
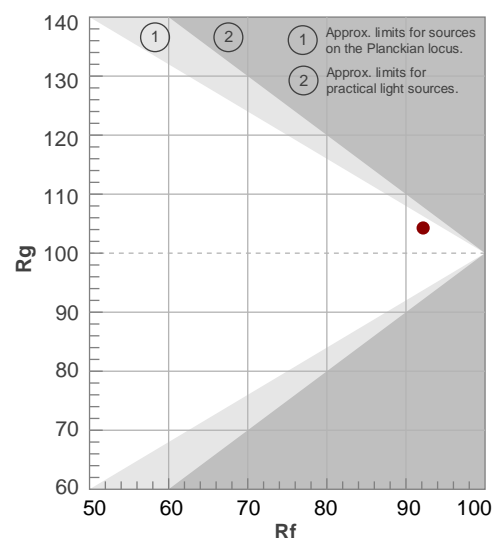
**Rf 92.2**

Fidelity index Rf

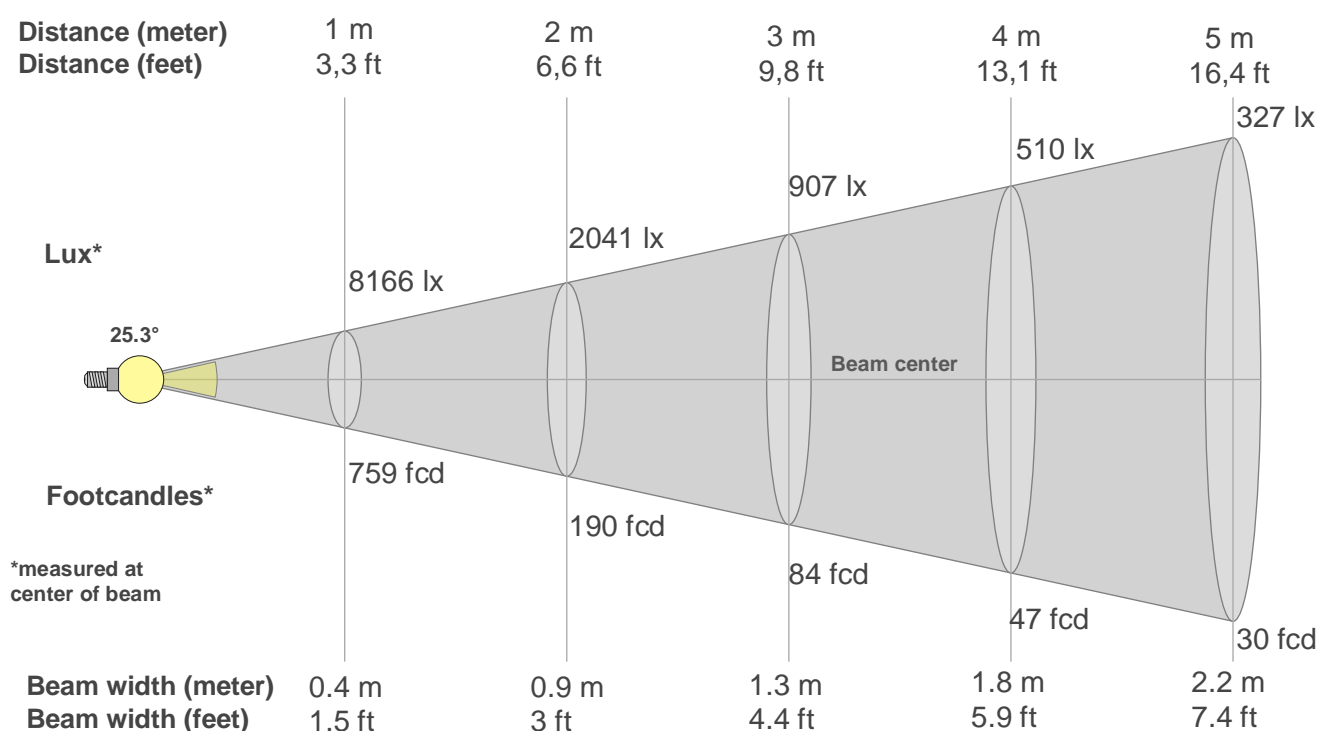
**Rg 104.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	98	0%	0%
3	93	0%	3%
4	94	0%	3%
5	91	2%	4%
6	91	6%	2%
7	94	4%	-1%
8	94	2%	-2%
9	95	0%	0%
10	93	-3%	3%
11	87	2%	8%
12	88	4%	5%
13	91	6%	-1%
14	93	6%	2%
15	90	5%	-5%
16	88	4%	-7%



## 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
8166lx	2041lx	907lx	510lx	327lx	227lx	167lx	128lx	101lx	82lx	67lx	57lx	48lx	42lx	36lx	32lx	28lx	25lx	23lx	20lx
758.6fcd	189.7fcd	84.3fcd	47.4fcd	30.3fcd	21.1fcd	15.5fcd	11.9fcd	9.4fcd	7.6fcd	6.3fcd	5.3fcd	4.5fcd	3.9fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd

### 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°
8166	7907	7538	7008	6165	5322	4417	3501	2675	2026	1377	1004	685	435	321	207	159	124	96	84
100%	97%	92%	86%	76%	65%	54%	43%	33%	25%	17%	12%	8%	5%	4%	3%	2%	2%	1%	1%

### 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°
8166	7907	7538	7008	6165	5322	4417	3501	2675	2026	1377	1004	685	435	321	207	159	124	96	84
100%	97%	92%	86%	76%	65%	54%	43%	33%	25%	17%	12%	8%	5%	4%	3%	2%	2%	1%	1%

### 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°
8166	7856	7546	6912	6113	5299	4409	3518	2765	2084	1453	1084	714	491	342	210	163	115	89	73
100%	96%	92%	85%	75%	65%	54%	43%	34%	26%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%

### Intensities in 270° c-plane

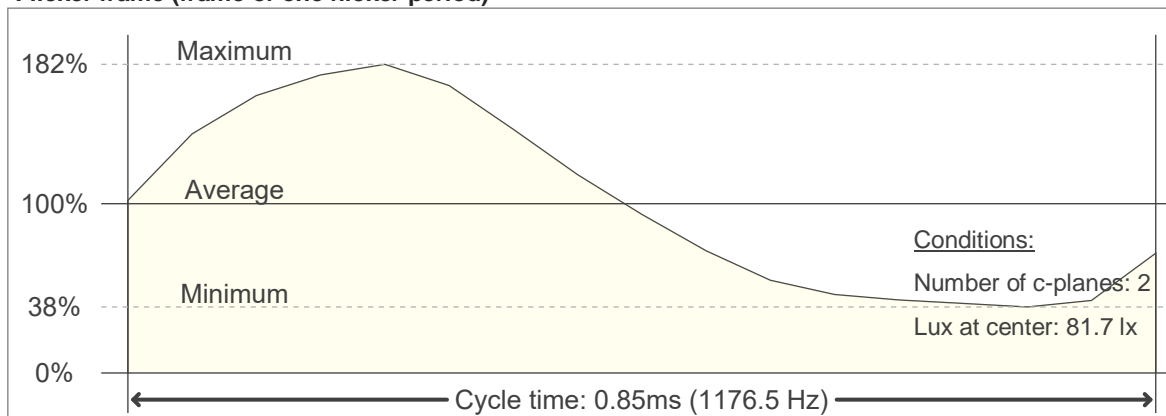
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8166	7856	7546	6912	6113	5299	4409	3518	2765	2084	1453	1084	714	491	342	210	163	115	89	73
100%	96%	92%	85%	75%	65%	54%	43%	34%	26%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.3°	46.6°	60.2°	99.1%	96.8%

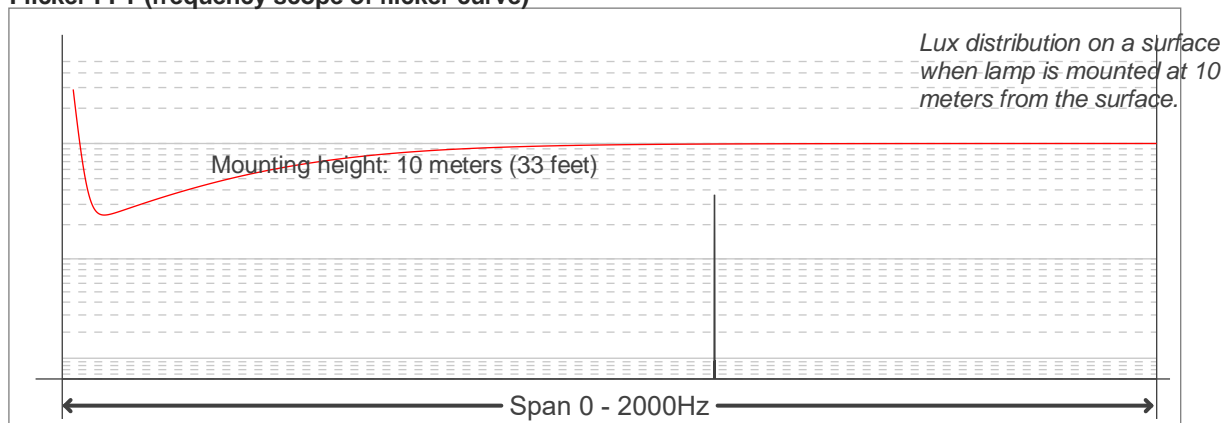
## Flicker

**Flicker curve (complete sampled flicker signal)**

**Flicker frame (frame of one flicker period)**



**Flicker FFT (frequency scope of flicker curve)**



**Flicker results:**

Flicker frequency:		1176.47 Hz	
Flicker index:	0.23	JA8/10 40Hz	0.94 %
Flicker percentage:	68.21 %	JA8/10 90Hz	2.08 %
SVM: (Visual flicker)	0.73	JA8/10 200Hz	4.68 %
PstLM	0.04	JA8/10 400Hz	9.63 %
Mp	0.18	JA8/10 1000Hz	30.38 %

**Flicker conditions:**

Sample rate:	20000 samples/second
--------------	----------------------