

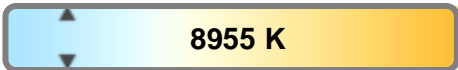
Light efficiency:



Light quality:



Color temperature:



Output: 2418 lm  
Peak: 22344 cd  
Power: 93.9 W  
PF: 0.99



Tracking number: [n/a](#)

Product name:

**ElectraPix Bar 16**

Item number:

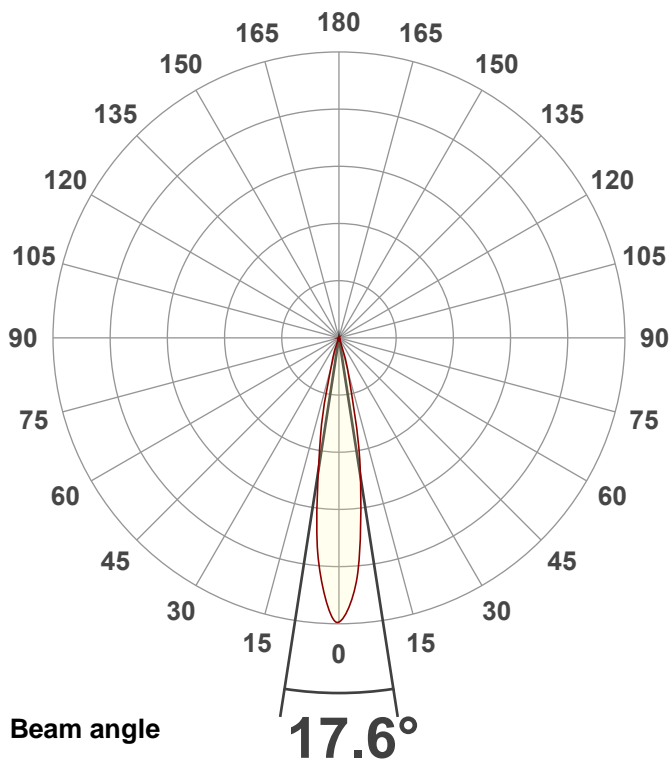
**8900K no Diffusion**

Date and time:

**8/29/2024 2:28:48 PM**

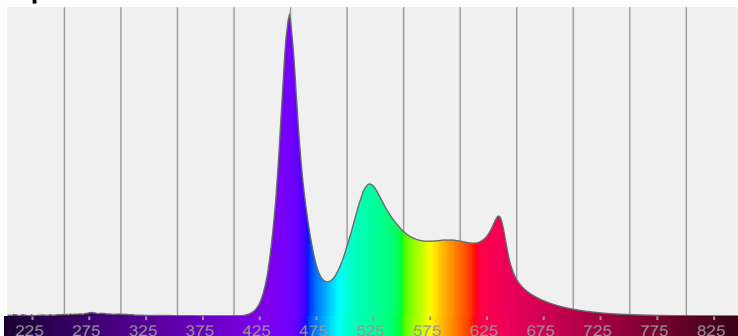
Description:

**@ 204**

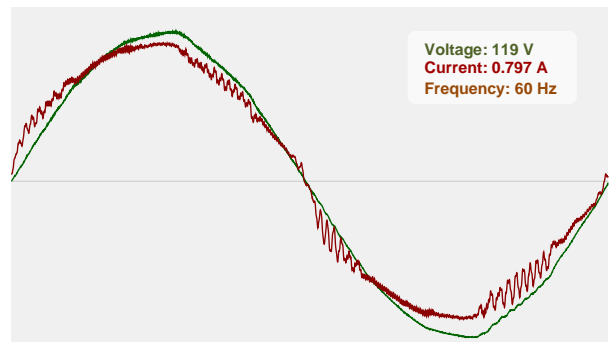


CIE 1931  
x: 0.288  
y: 0.294

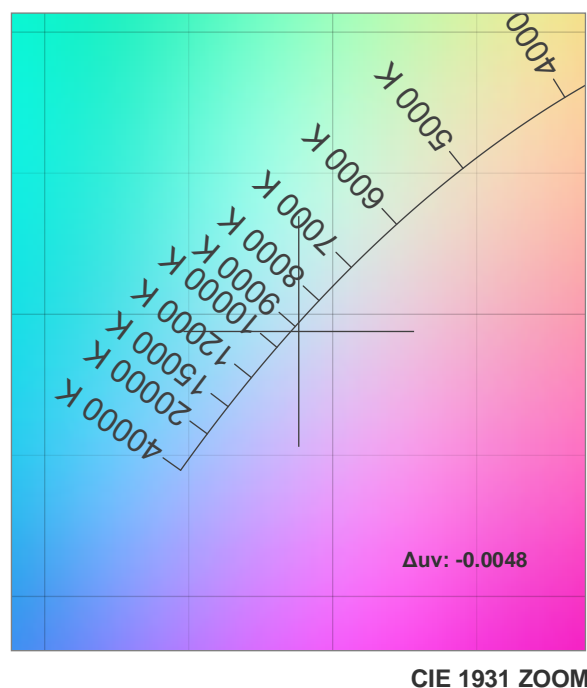
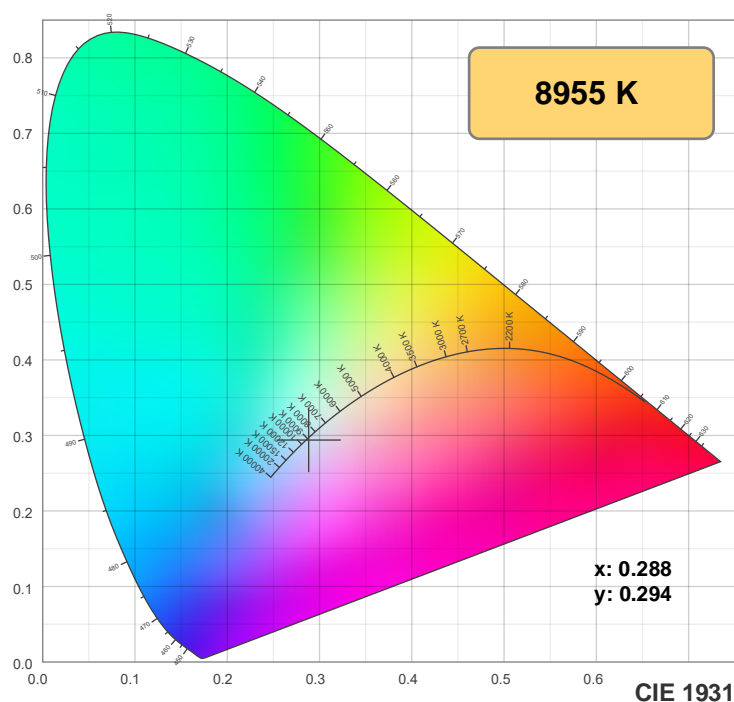
Spectra



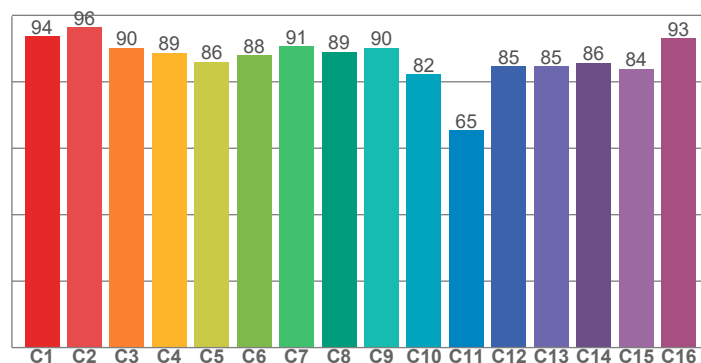
Power



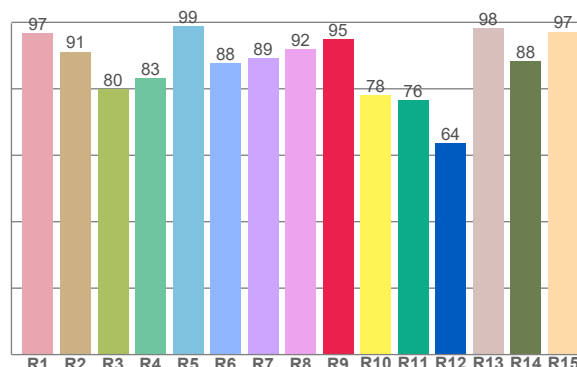
## Color details



**TM-30: 87.3**



**CRI: 89.9 (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
96.8	91.1	79.9	83.1	98.8	87.8	89.3	91.9	95.0	78.1	76.5	63.7	98.2	88.4	97.2

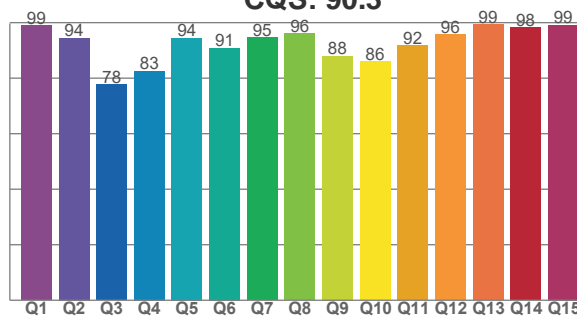
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	96.5	90.2	88.7	86.1	87.9	90.6	89.1	90.2	82.2	65.4	84.7	84.6	85.7	83.9	93.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.9	94.5	77.8	82.5	94.4	90.8	94.6	96.1	88.0	86.1	91.7	95.6	99.4	98.3	99.2

**CQS: 90.3**



### 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 deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
8955 K	89.9	95.0	87.3	105.5	90.3	0.288	0.294	0.194	0.296	-0.0048

# TM-30 details

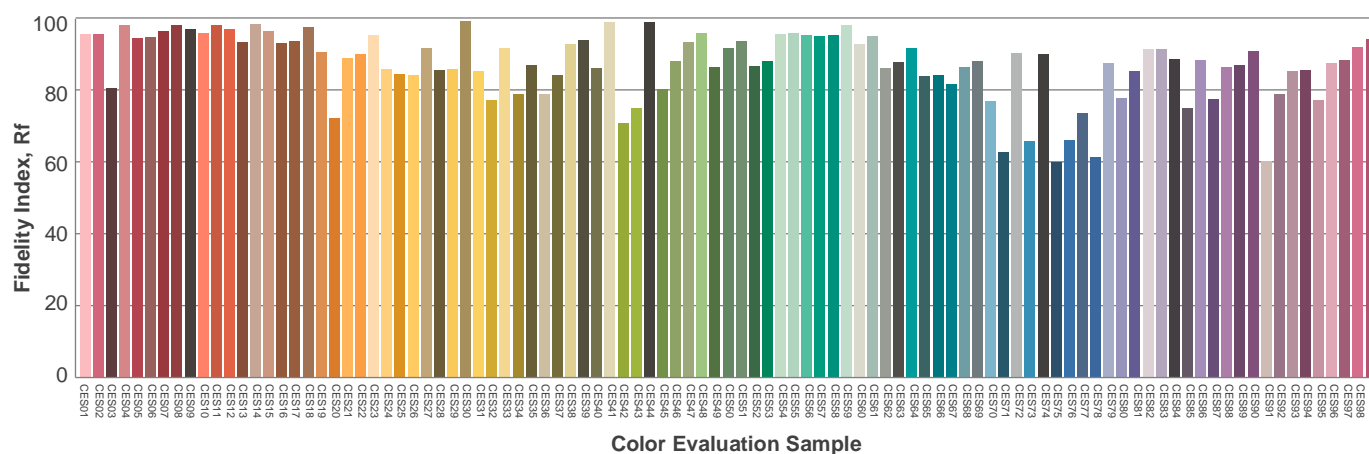
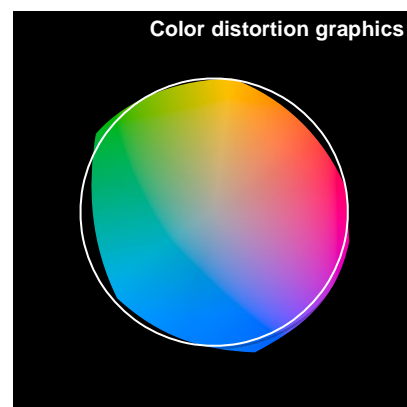
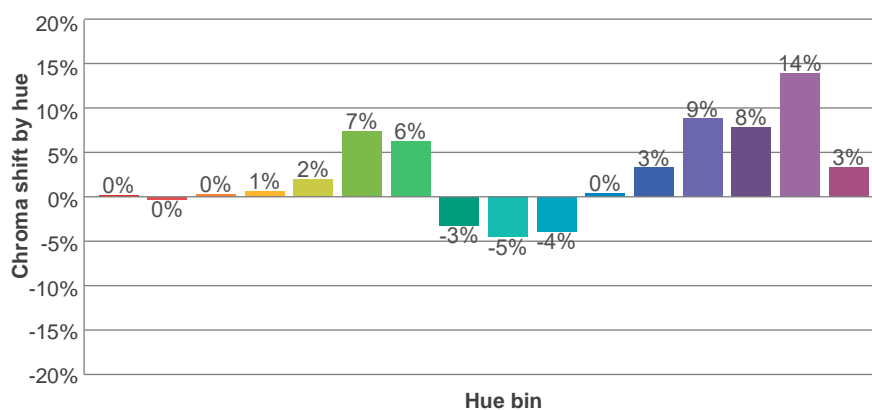
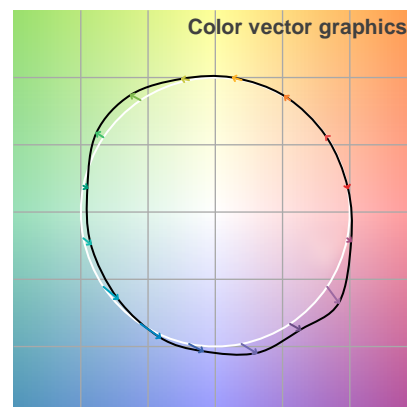
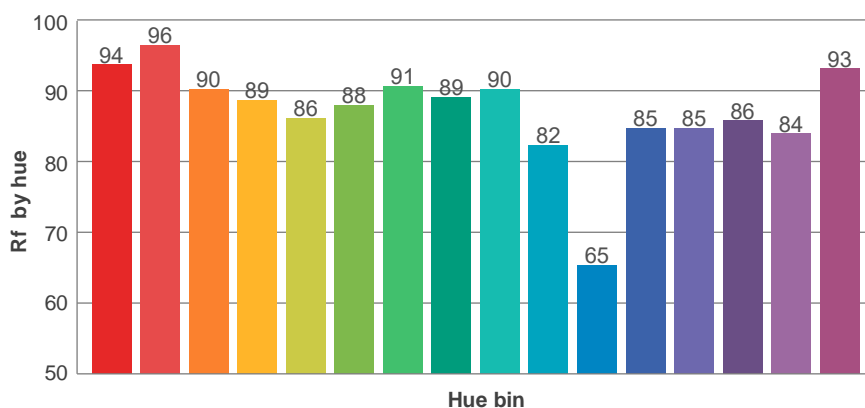
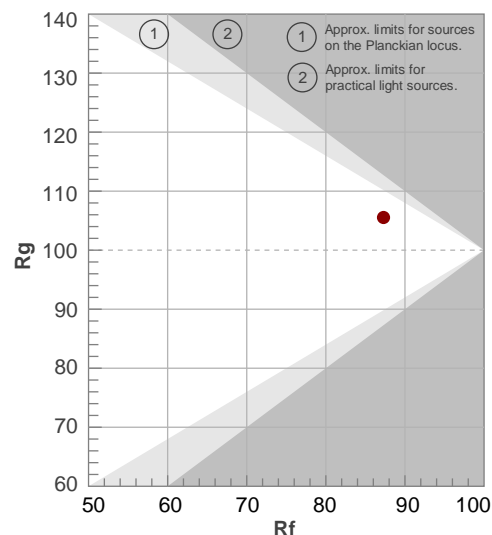
**Rf 87.3**

Fidelity index Rf

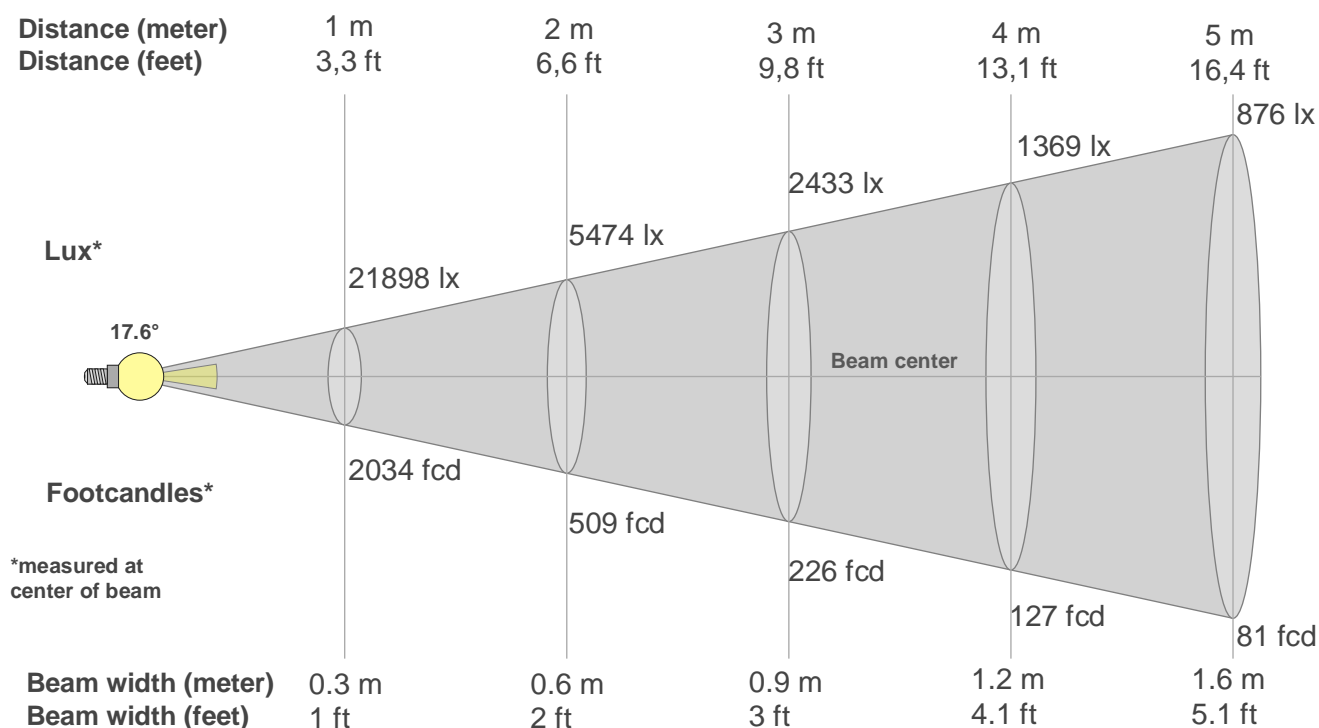
**Rg 105.5**

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	94	0%	-2%
2	96	0%	1%
3	90	0%	5%
4	89	1%	7%
5	86	2%	5%
6	88	7%	4%
7	91	6%	0%
8	89	-3%	1%
9	90	-5%	5%
10	82	-4%	13%
11	65	0%	18%
12	85	3%	11%
13	85	9%	9%
14	86	8%	4%
15	84	14%	-5%
16	93	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
21898lx	5474lx	2433lx	1369lx	876lx	608lx	447lx	342lx	270lx	219lx	181lx	152lx	130lx	112lx	97lx	86lx	76lx	68lx	61lx	55lx
2034.4fcd	508.6fcd	226fcd	127.1fcd	81.4fcd	56.5fcd	41.5fcd	31.8fcd	25.1fcd	20.3fcd	16.8fcd	14.1fcd	12fcd	10.4fcd	9fcd	7.9fcd	7fcd	6.3fcd	5.6fcd	5.1fcd

### 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°
21.9K	21.2K	20.5K	19.8K	19.1K	17.8K	16.0K	14.3K	12.6K	10.8K	9.3K	7.9K	6.5K	5.0K	3.6K	2.8K	2.3K	1.7K	1.2K	0.7K
100%	97%	94%	90%	87%	81%	73%	65%	57%	50%	43%	36%	30%	23%	16%	13%	10%	8%	6%	3%

### 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°
21.9K	21.2K	20.5K	19.8K	19.1K	17.8K	16.0K	14.3K	12.6K	10.8K	9.3K	7.9K	6.5K	5.0K	3.6K	2.8K	2.3K	1.7K	1.2K	0.7K
100%	97%	94%	90%	87%	81%	73%	65%	57%	50%	43%	36%	30%	23%	16%	13%	10%	8%	6%	3%

### 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°
21.9K	22.0K	20.9K	19.8K	18.7K	17.7K	16.3K	14.5K	12.7K	10.8K	9.0K	7.4K	6.3K	5.1K	3.9K	2.8K	1.9K	1.6K	1.2K	0.9K
100%	100%	95%	90%	86%	81%	75%	66%	58%	49%	41%	34%	29%	23%	18%	13%	9%	7%	6%	4%

### Intensities in 270° c-plane

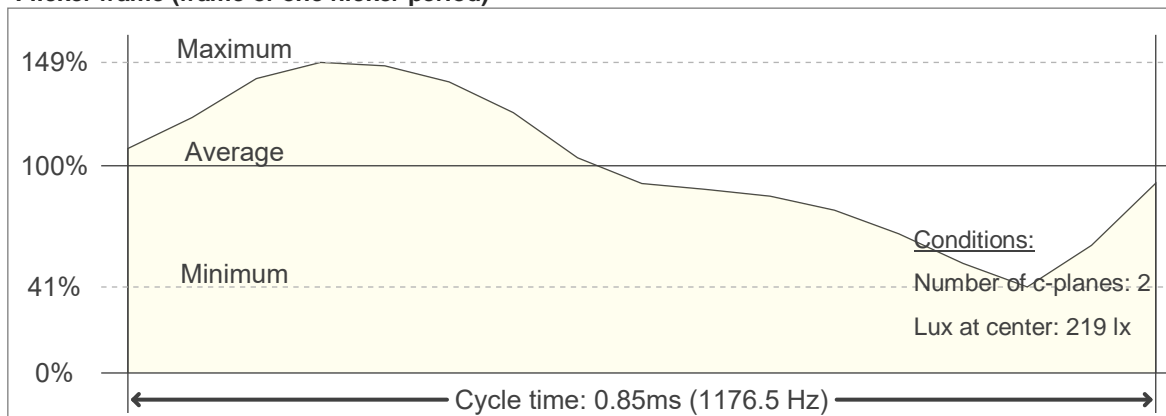
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
21.9K	22.0K	20.9K	19.8K	18.7K	17.7K	16.3K	14.5K	12.7K	10.8K	9.0K	7.4K	6.3K	5.1K	3.9K	2.8K	1.9K	1.6K	1.2K	0.9K
100%	100%	95%	90%	86%	81%	75%	66%	58%	49%	41%	34%	29%	23%	18%	13%	9%	7%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.6°	31.5°	39.3°	99.7%	98.4%

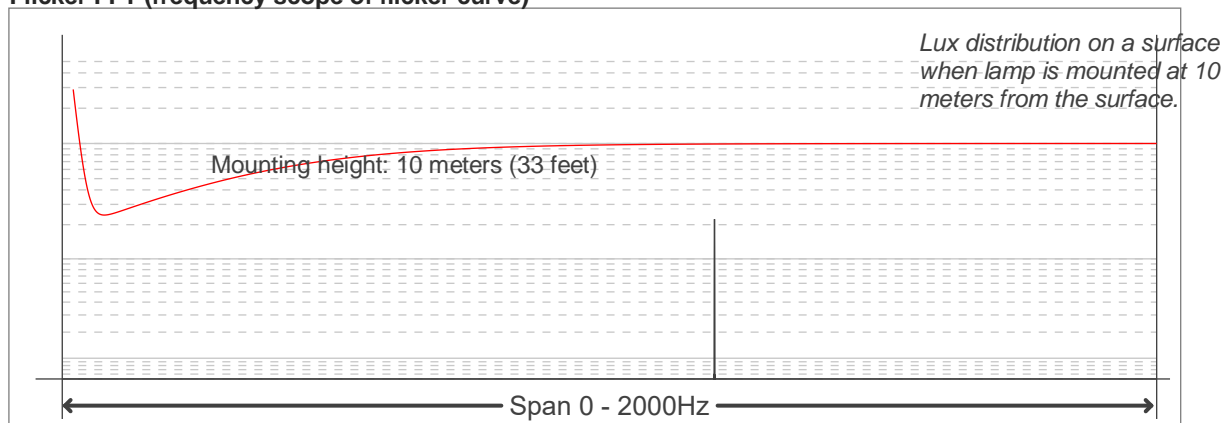
## Flicker

**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:	0.14	JA8/10 40Hz	0.06 %
Flicker percentage:	57.31 %	JA8/10 90Hz	0.07 %
SVM: (Visual flicker)	0.45	JA8/10 200Hz	0.11 %
PstLM	0.02	JA8/10 400Hz	0.33 %
Mp	0.02	JA8/10 1000Hz	4.99 %

**Flicker conditions:**

Sample rate:	20000 samples/second
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