

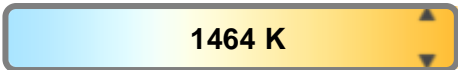
Light efficiency:



Light quality:



Color temperature:



Output: 1745 lm  
Peak: 16476 cd  
Power: 57.0 W  
PF: 0.98



Tracking number: [n/a](#)

Product name:

**ElectraPix Bar 16**

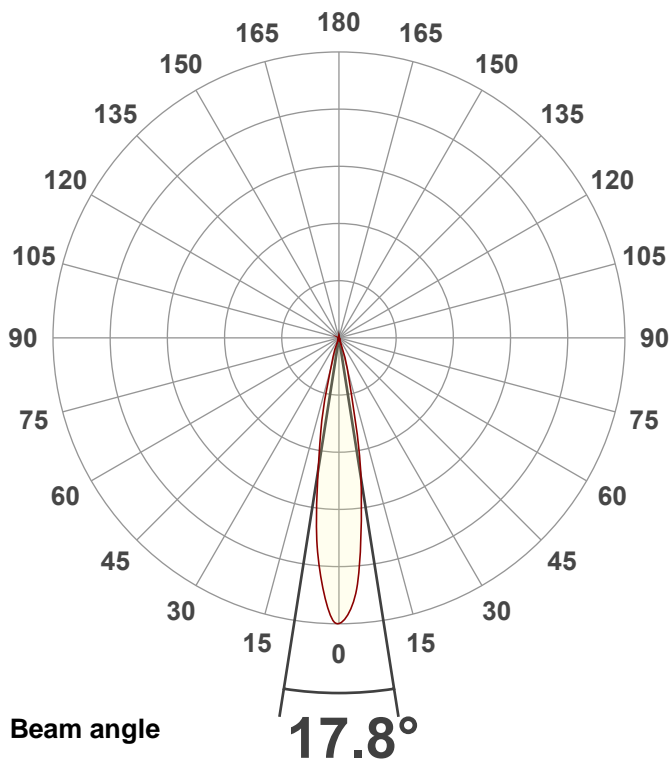
Item number:

**Amber No Diffusion**

Date and time:

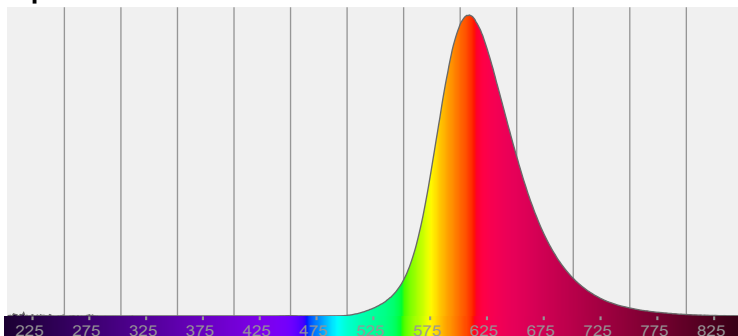
**8/30/2024 11:54:32 AM**

Description:

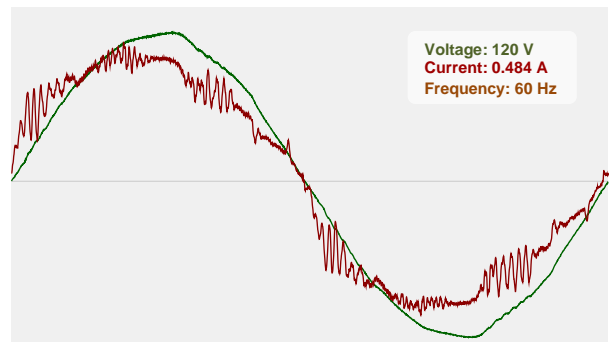


CIE 1931  
x: 0.599  
y: 0.400

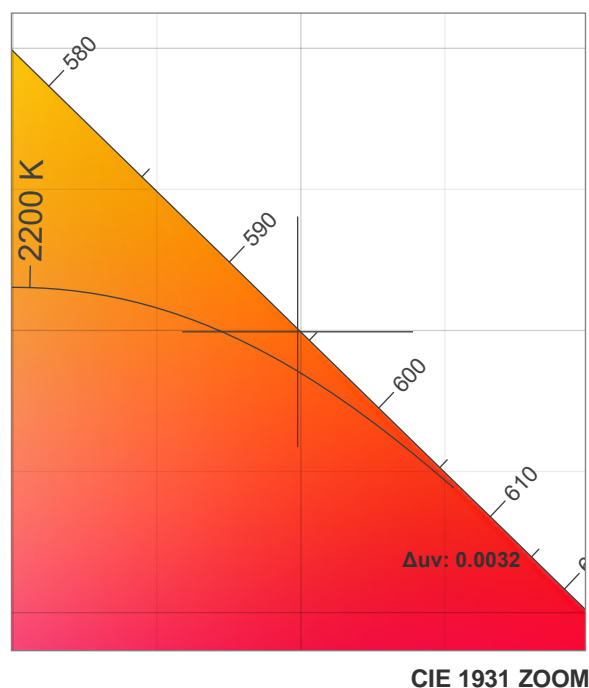
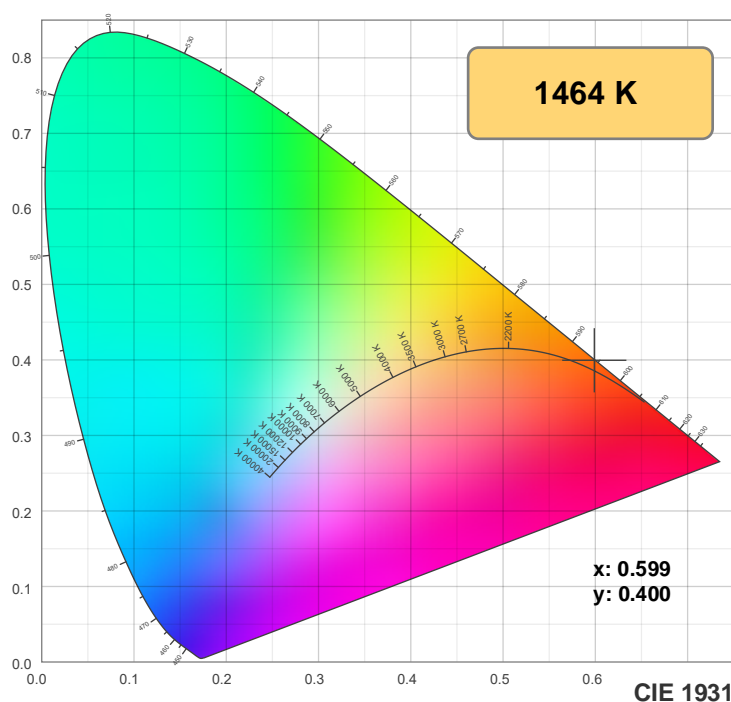
Spectra



Power

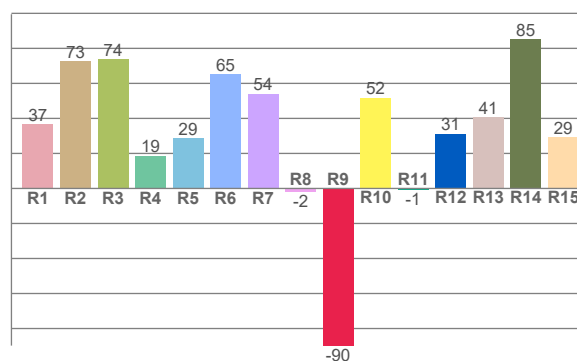
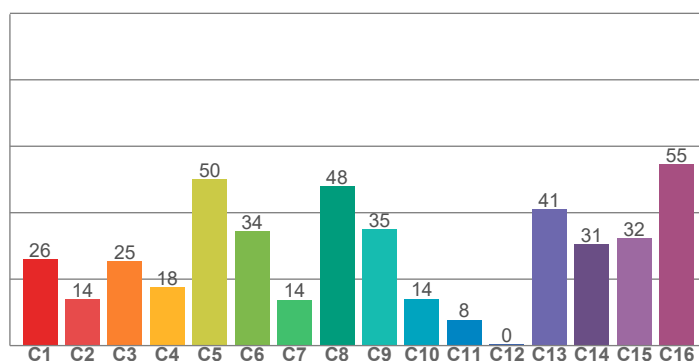


## Color details



**TM-30: 26.3**

**CRI: 43.5 (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
36.7	72.8	73.8	18.7	28.8	65.3	54.2	-2.0	-89.8	51.8	-0.6	31.3	40.8	85.2	29.2

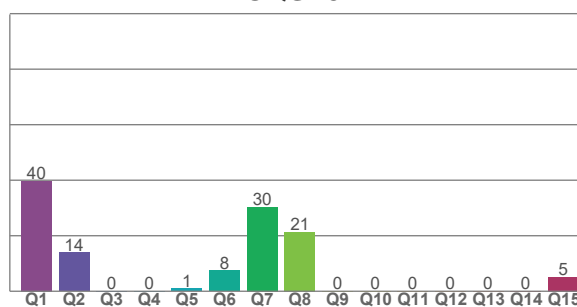
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
26.0	13.8	25.4	17.5	50.0	34.3	13.8	47.9	35.0	14.1	7.8	0.4	41.0	30.5	32.2	54.6

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
39.7	14.0	0.1	0.1	1.1	7.5	30.4	21.4	0.2	0.0	0.0	0.0	0.0	0.0	5.1

**CQS: 0.1**



### 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	$\Delta uv$
1464 K	43.5	-89.8	26.3	11.1	0.1	0.599	0.400	0.363	0.363	0.0032

# TM-30 details

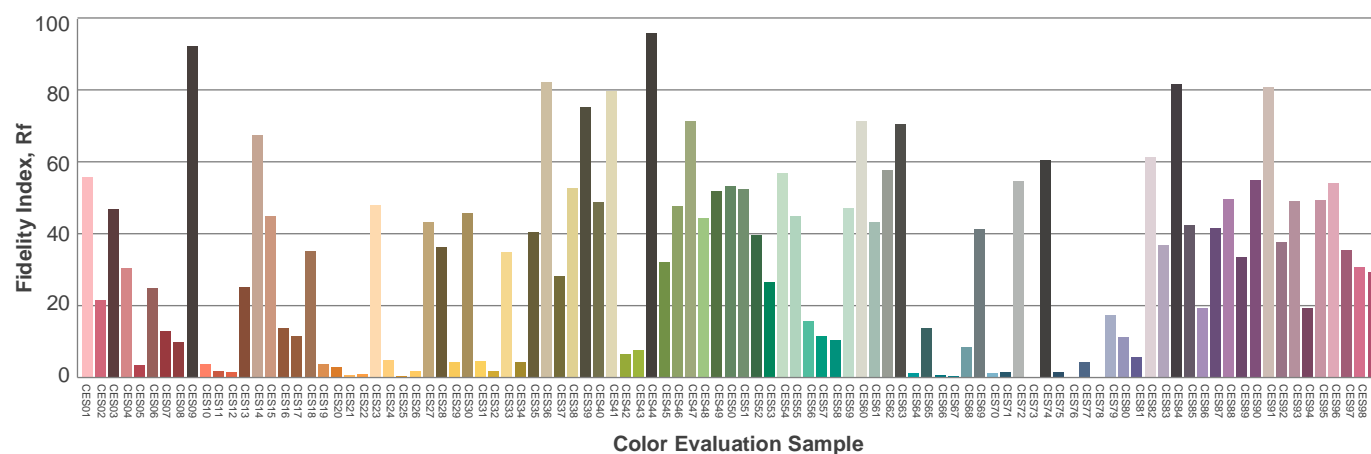
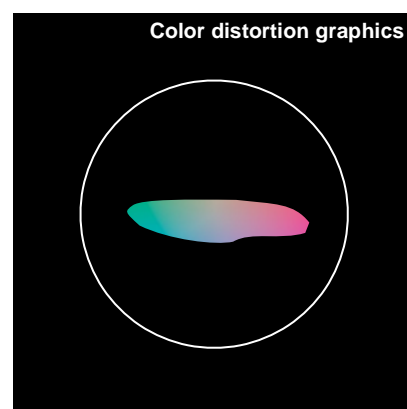
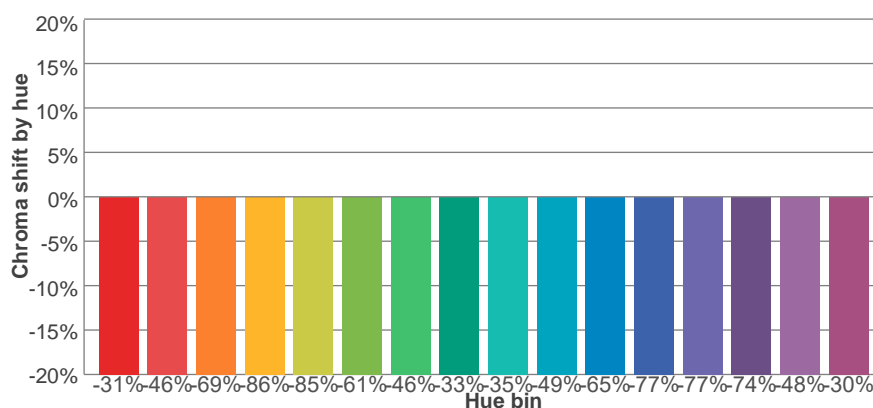
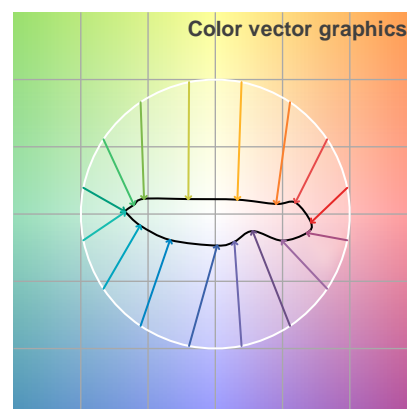
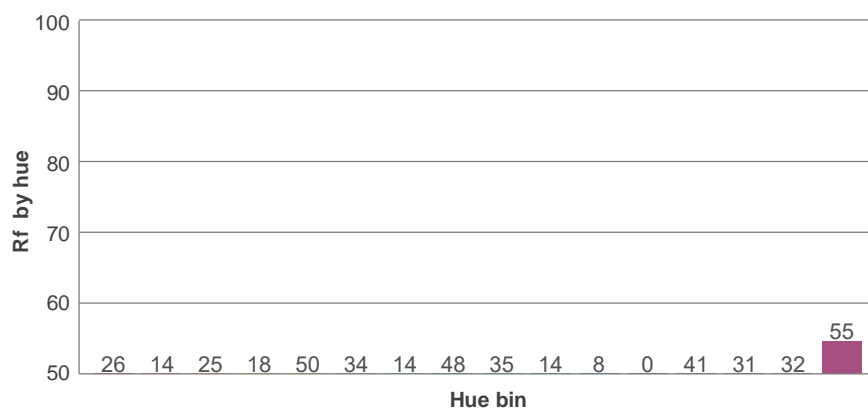
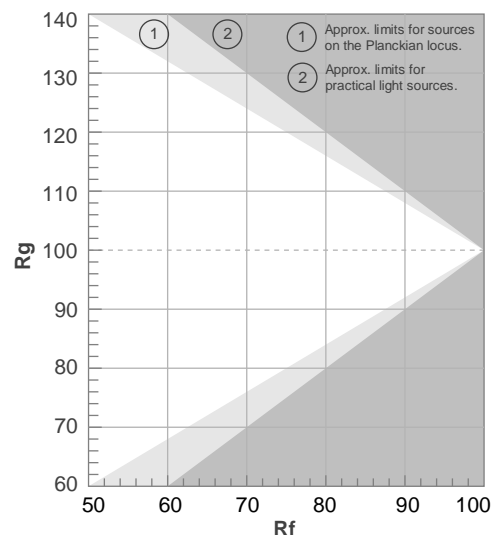
**Rf 26.3**

Fidelity index Rf

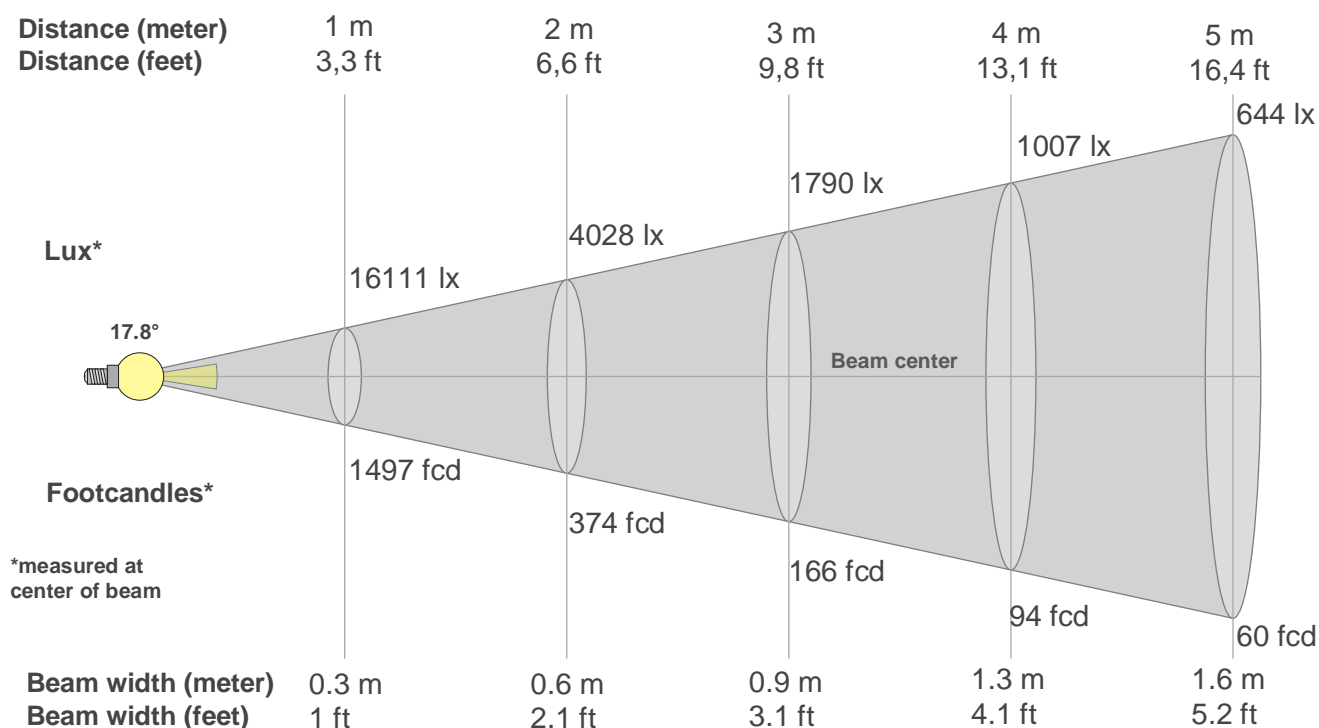
**Rg 11.1**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	26	-31%	-20%
2	14	-46%	-26%
3	25	-69%	-33%
4	18	-86%	-14%
5	50	-85%	17%
6	34	-61%	38%
7	14	-46%	28%
8	48	-33%	11%
9	35	-35%	-15%
10	14	-49%	-24%
11	8	-65%	-17%
12	0	-77%	6%
13	41	-77%	10%
14	31	-74%	16%
15	32	-48%	11%
16	55	-30%	0%



## 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
16111lx	4028lx	1790lx	1007lx	644lx	448lx	329lx	252lx	199lx	161lx	133lx	112lx	95lx	82lx	72lx	63lx	56lx	50lx	45lx	40lx
1496.7fcd	374.2fcd	166.3fcd	93.5fcd	59.9fcd	41.6fcd	30.5fcd	23.4fcd	18.5fcd	15fcd	12.4fcd	10.4fcd	8.9fcd	7.6fcd	6.7fcd	5.8fcd	5.2fcd	4.6fcd	4.1fcd	3.7fcd

### 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°
16.1K	15.7K	15.4K	15.0K	14.6K	13.3K	12.0K	10.7K	9.4K	8.1K	7.0K	5.8K	4.6K	3.5K	2.3K	1.9K	1.5K	1.1K	0.7K	0.3K
100%	98%	95%	93%	91%	83%	75%	67%	59%	51%	43%	36%	29%	22%	14%	12%	9%	7%	4%	2%

### 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°
16.1K	15.7K	15.4K	15.0K	14.6K	13.3K	12.0K	10.7K	9.4K	8.1K	7.0K	5.8K	4.6K	3.5K	2.3K	1.9K	1.5K	1.1K	0.7K	0.3K
100%	98%	95%	93%	91%	83%	75%	67%	59%	51%	43%	36%	29%	22%	14%	12%	9%	7%	4%	2%

### 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°
16.1K	16.5K	15.6K	14.7K	13.9K	13.0K	12.1K	10.8K	9.5K	8.1K	6.8K	5.5K	4.7K	3.9K	3.1K	2.2K	1.4K	1.2K	1.0K	0.7K
100%	102%	97%	91%	86%	81%	75%	67%	59%	51%	42%	34%	29%	24%	19%	14%	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°
16.1K	16.5K	15.6K	14.7K	13.9K	13.0K	12.1K	10.8K	9.5K	8.1K	6.8K	5.5K	4.7K	3.9K	3.1K	2.2K	1.4K	1.2K	1.0K	0.7K
100%	102%	97%	91%	86%	81%	75%	67%	59%	51%	42%	34%	29%	24%	19%	14%	9%	7%	6%	4%

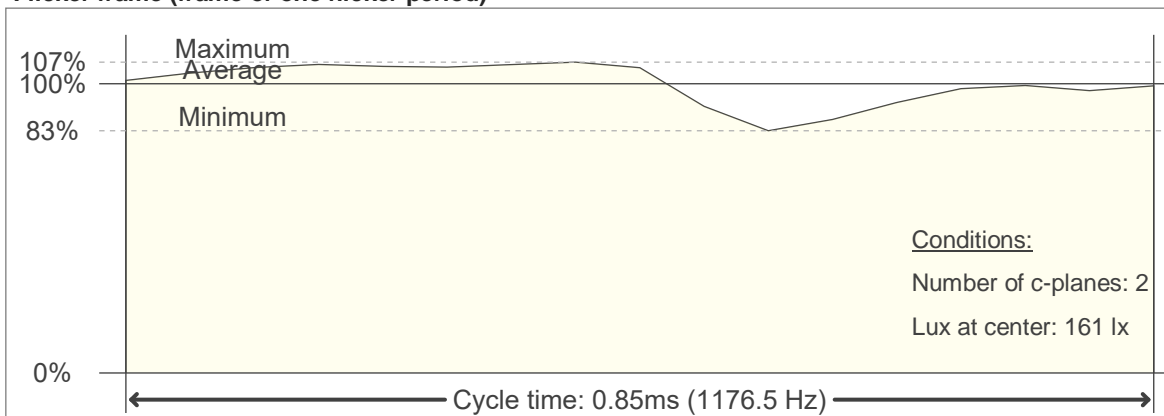
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.8°	31.4°	39°	100.0%	99.4%

## Flicker

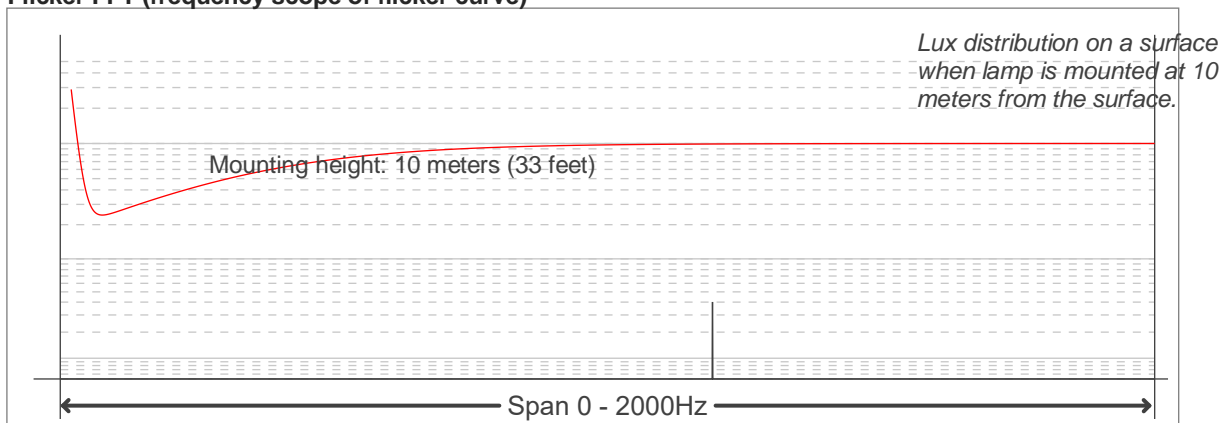
**Flicker curve (complete sampled flicker signal)**



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



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



**Flicker results:**

Flicker frequency:		1176.47 Hz	
Flicker index:	0.03	JA8/10 40Hz	0.12 %
Flicker percentage:	15.26 %	JA8/10 90Hz	0.27 %
SVM: (Visual flicker)	0.08	JA8/10 200Hz	0.6 %
PstLM	0.03	JA8/10 400Hz	1.17 %
Mp	0.03	JA8/10 1000Hz	3 %

**Flicker conditions:**

Sample rate:	20000 samples/second
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