

Light efficiency:



Light quality:



Color temperature:



Output: 1084 lm

Peak: 8000 cd

Power: 27.9 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

Dotz Par RGBL

Item number:

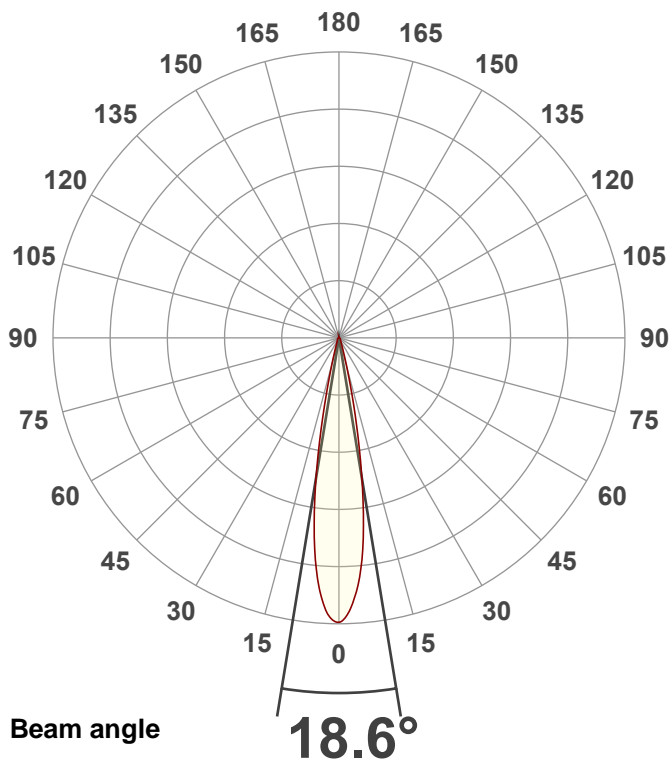
6500K

Date and time:

7/11/2024 11:44:57 AM

Description:

@ 217

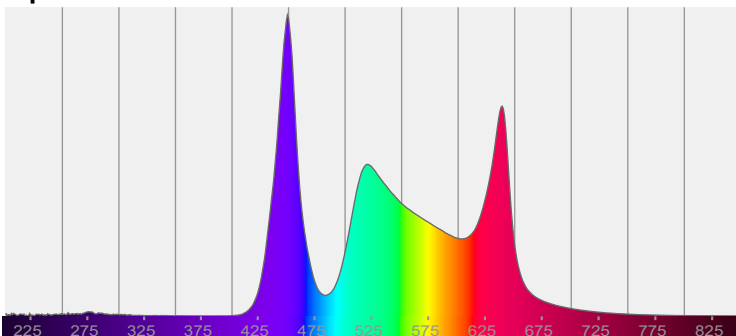


CIE 1931

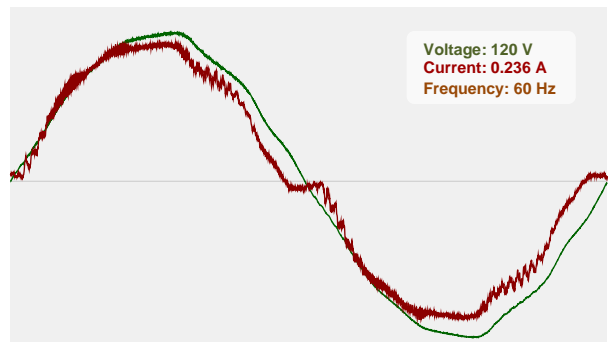
x: 0.315

y: 0.318

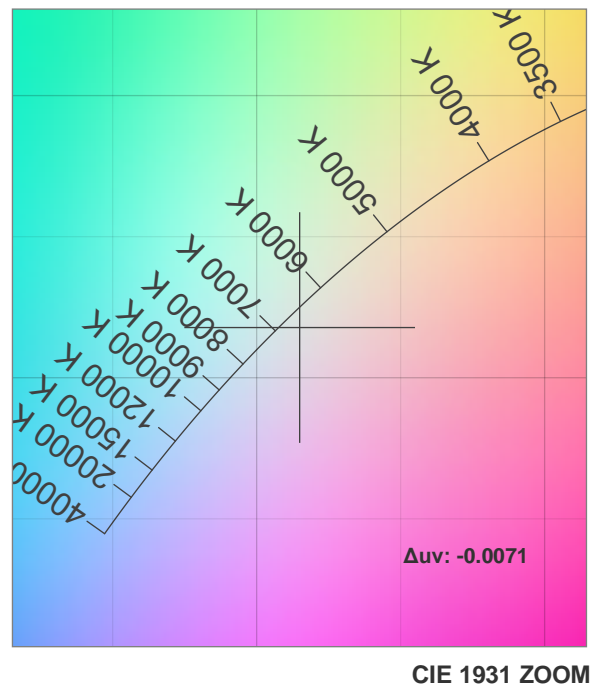
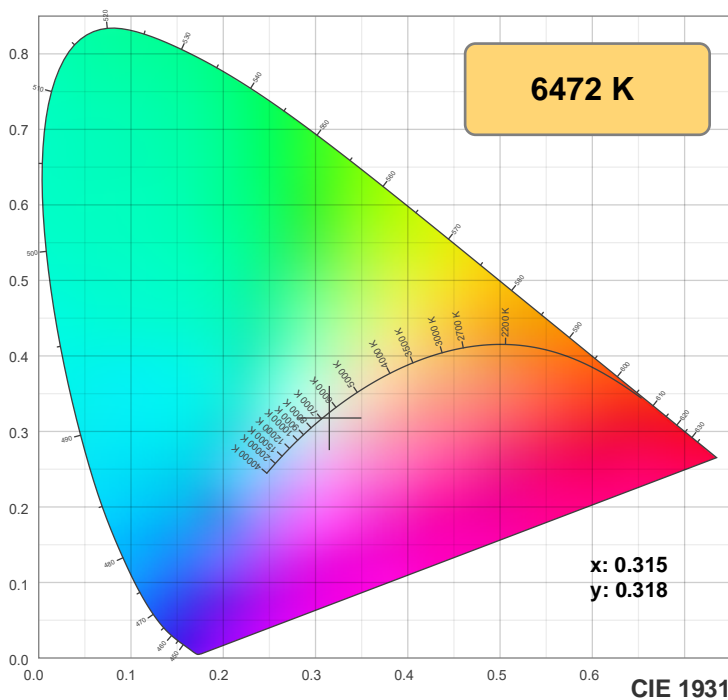
Spectra



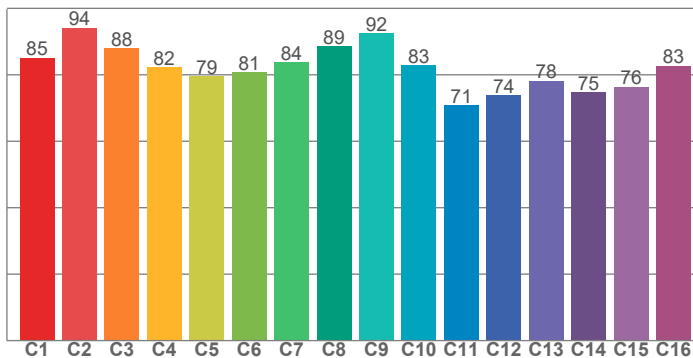
Power



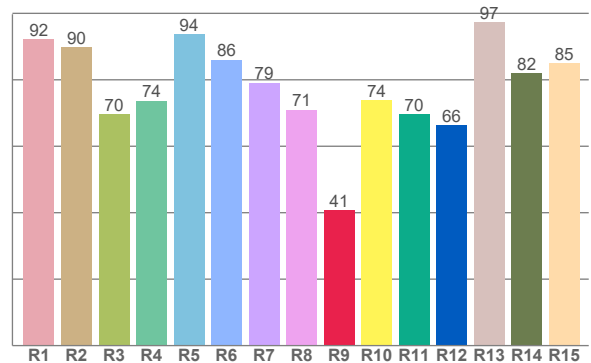
Color details



TM-30: 82.5



CRI: 81.9 (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
92.2	89.8	69.7	73.7	93.8	86.1	79.1	71.0	40.6	73.8	69.7	66.3	97.3	82.0	85.1

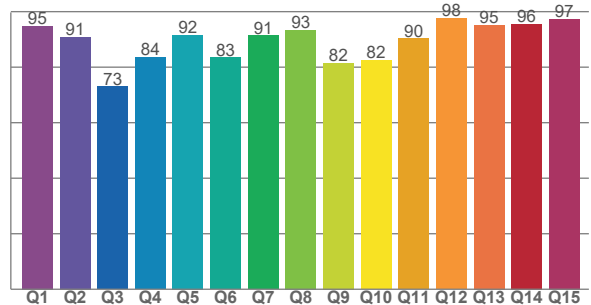
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
85.1	94.2	87.9	82.3	79.5	80.7	83.7	88.6	92.5	82.8	70.8	73.8	78.3	74.7	76.3	82.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.8	90.9	73.1	83.5	91.6	83.5	91.3	93.3	81.6	82.5	90.3	97.6	95.1	95.6	97.4

CQS: 87.4



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
6472 K	81.9	40.6	82.5	111.7	87.4	0.315	0.318	0.204	0.308	-0.0071

TM-30 details

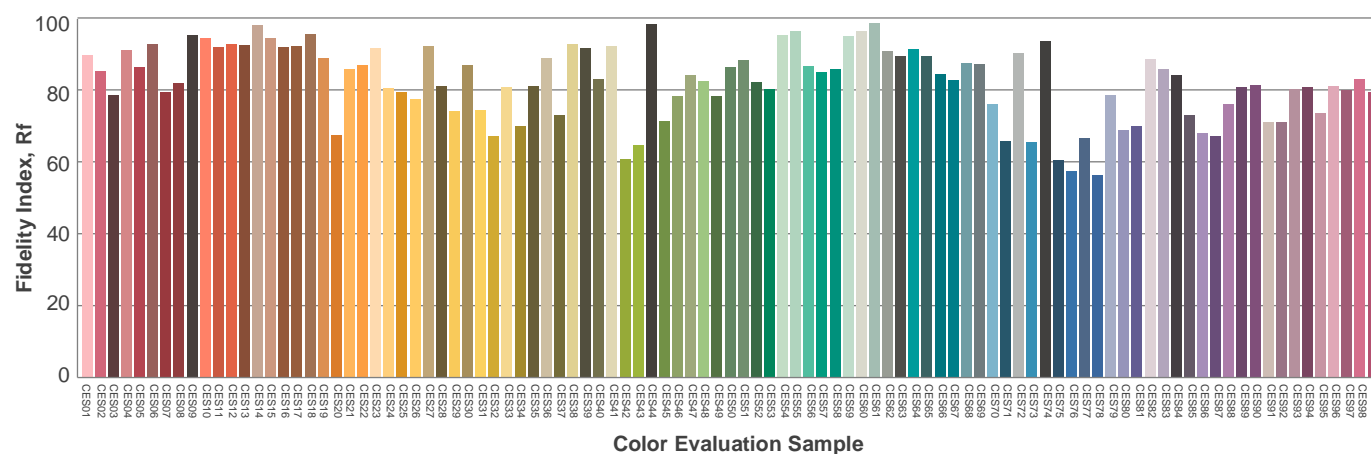
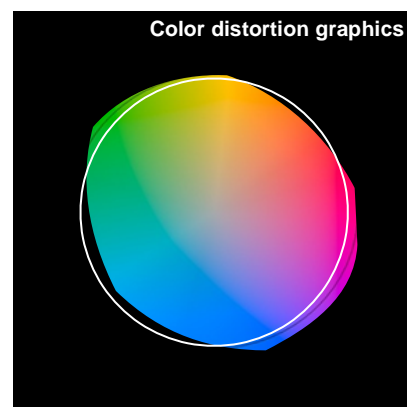
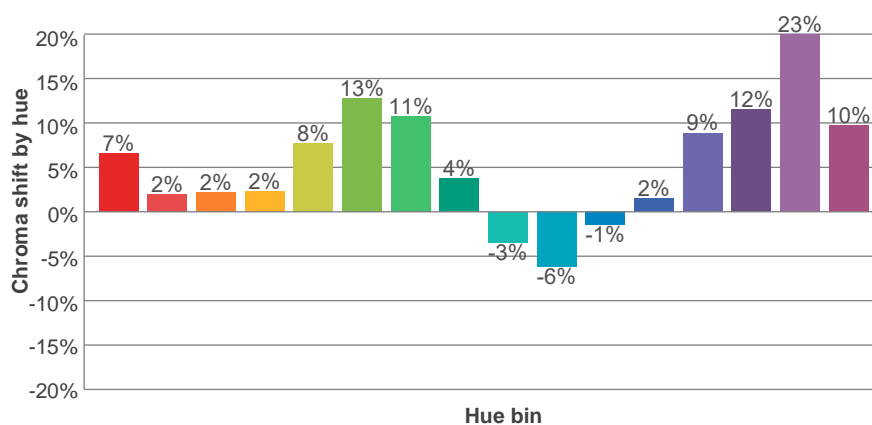
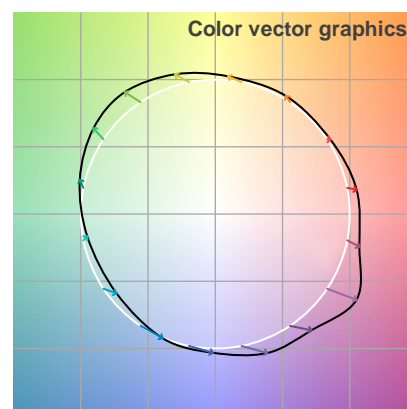
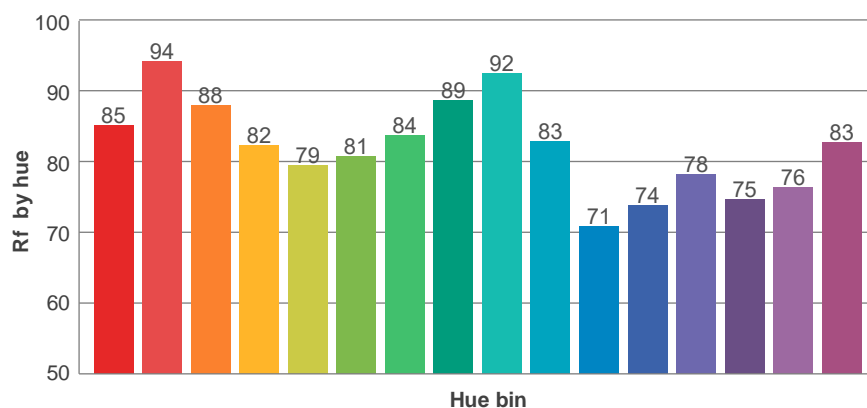
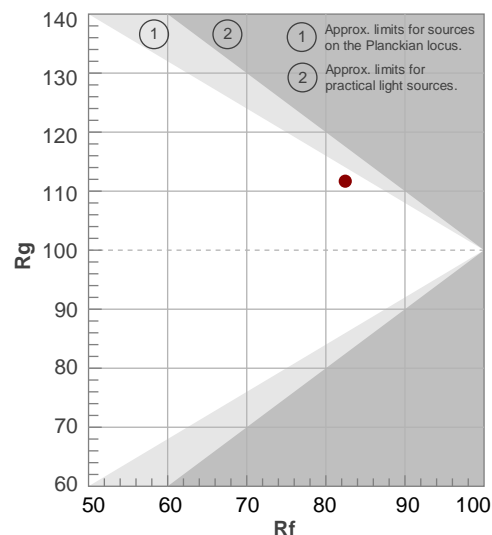
Rf 82.5

Fidelity index Rf

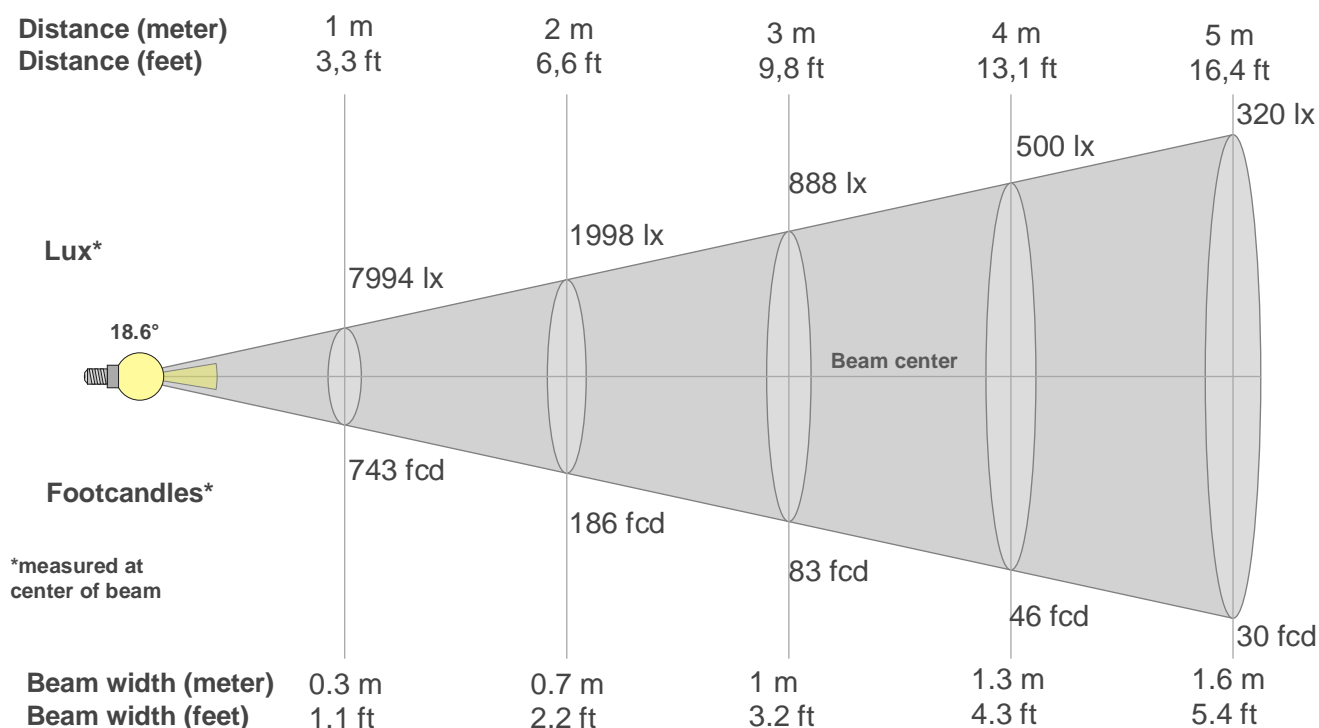
Rg 111.7

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	85	7%	-3%
2	94	2%	-2%
3	88	2%	5%
4	82	2%	11%
5	79	8%	9%
6	81	13%	6%
7	84	11%	-3%
8	89	4%	-5%
9	92	-3%	-2%
10	83	-6%	8%
11	71	-1%	19%
12	74	2%	18%
13	78	9%	18%
14	75	12%	11%
15	76	23%	5%
16	83	10%	-3%



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
7994lx	1998lx	888lx	500lx	320lx	222lx	163lx	125lx	99lx	80lx	66lx	56lx	47lx	41lx	36lx	31lx	28lx	25lx	22lx	20lx
742.6fcd	185.7fcd	82.5fcd	46.4fcd	29.7fcd	20.6fcd	15.2fcd	11.6fcd	9.2fcd	7.4fcd	6.1fcd	5.2fcd	4.4fcd	3.8fcd	3.3fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd

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°
7994	7913	7729	7459	7127	6718	6218	5614	4929	4205	3477	2784	2162	1619	1187	880	663	509	402	332
100%	99%	97%	93%	89%	84%	78%	70%	62%	53%	43%	35%	27%	20%	15%	11%	8%	6%	5%	4%

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°
7994	7913	7729	7459	7127	6718	6218	5614	4929	4205	3477	2784	2162	1619	1187	880	663	509	402	332
100%	99%	97%	93%	89%	84%	78%	70%	62%	53%	43%	35%	27%	20%	15%	11%	8%	6%	5%	4%

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°
7994	7962	7833	7597	7258	6830	6302	5679	4973	4217	3432	2667	1990	1447	1044	760	568	439	350	289
100%	100%	98%	95%	91%	85%	79%	71%	62%	53%	43%	33%	25%	18%	13%	10%	7%	5%	4%	4%

Intensities in 270° c-plane

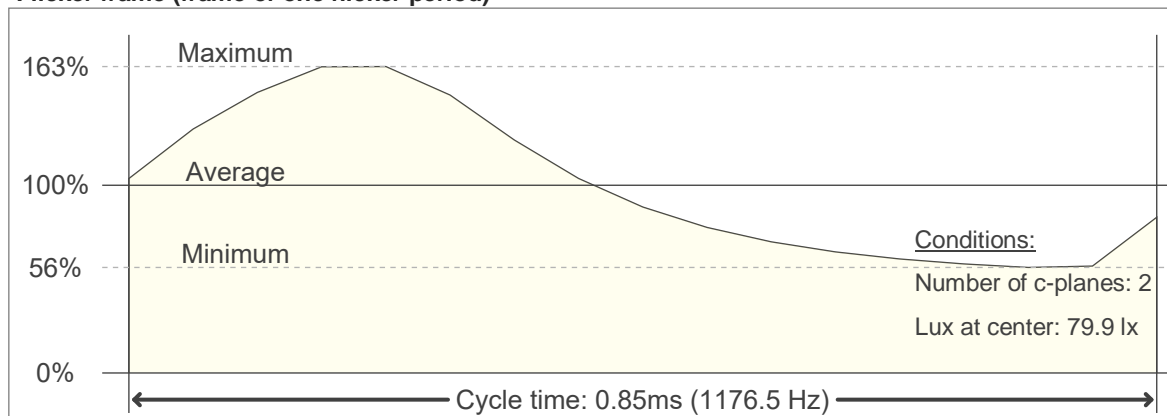
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7994	7962	7833	7597	7258	6830	6302	5679	4973	4217	3432	2667	1990	1447	1044	760	568	439	350	289
100%	100%	98%	95%	91%	85%	79%	71%	62%	53%	43%	33%	25%	18%	13%	10%	7%	5%	4%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.6°	30.1°	43.4°	95.4%	89.4%

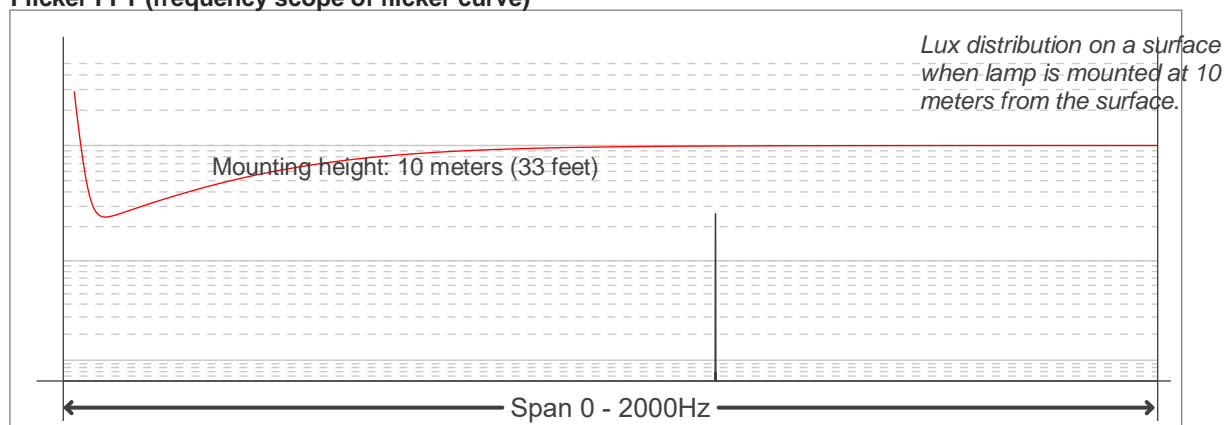
Flicker

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:	0.17	JA8/10 40Hz	0.61 %
Flicker percentage:	52.17 %	JA8/10 90Hz	1.34 %
SVM: (Visual flicker)	0.52	JA8/10 200Hz	3 %
PstLM	0.05	JA8/10 400Hz	6.07 %
Mp	0.11	JA8/10 1000Hz	19.14 %

Flicker conditions:

Sample rate:	20000 samples/second
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