

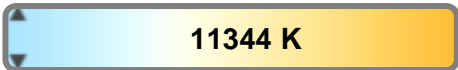
Light efficiency:



Light quality:



Color temperature:



Output: 1102 lm

Peak: 8622 cd

Power: 35.1 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

Dotz Par RGBL

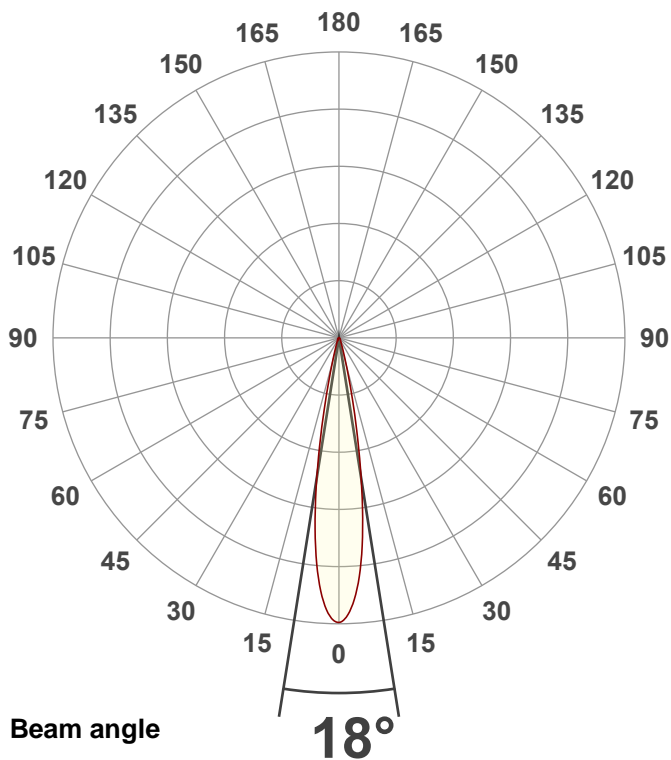
Item number:

Full On

Date and time:

7/10/2024 5:28:50 PM

Description:

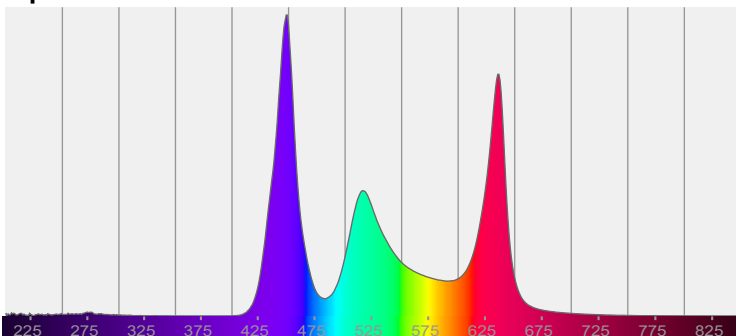


CIE 1931

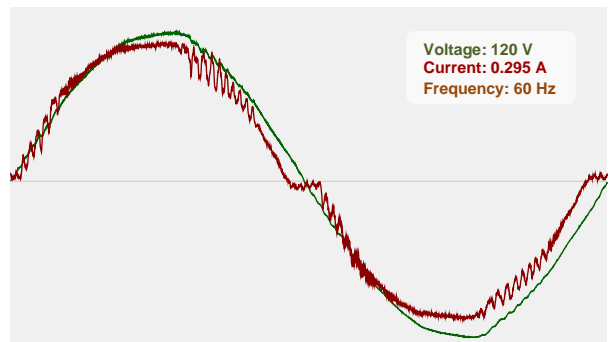
x: 0.292

y: 0.252

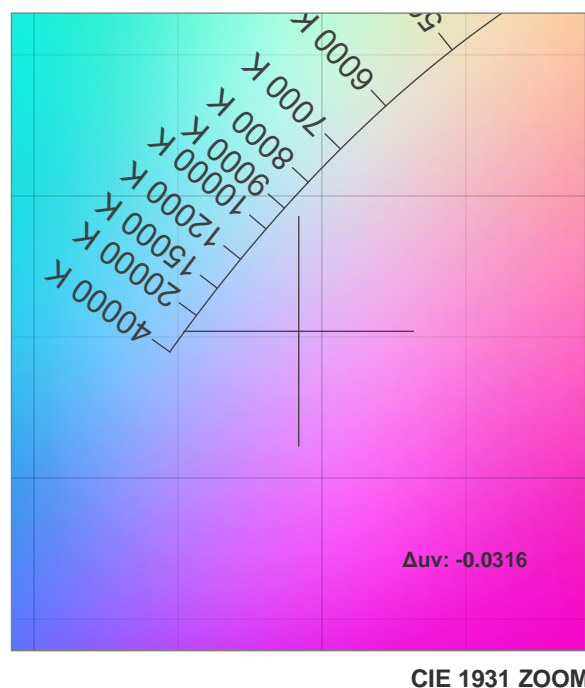
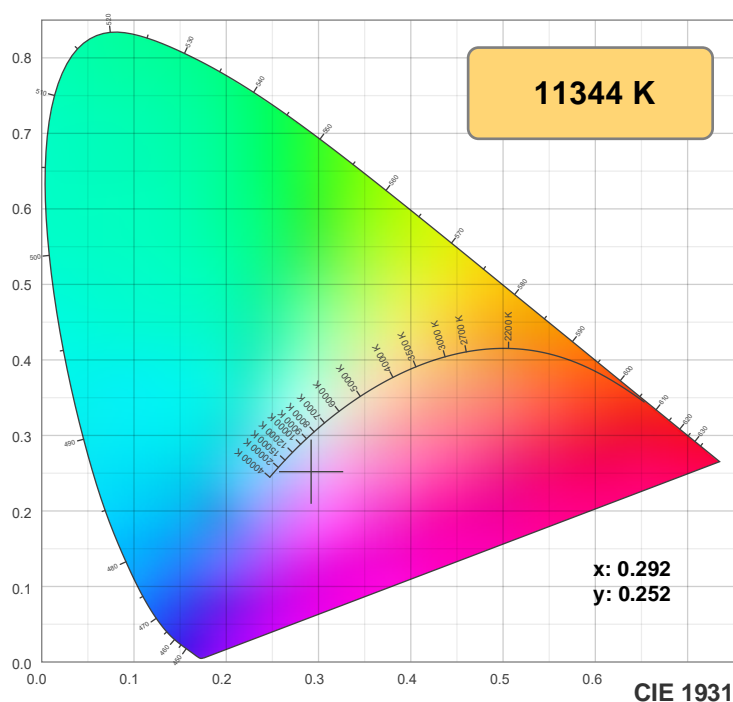
Spectra



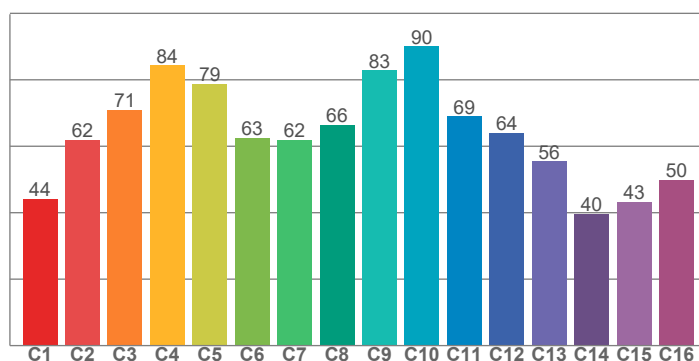
Power



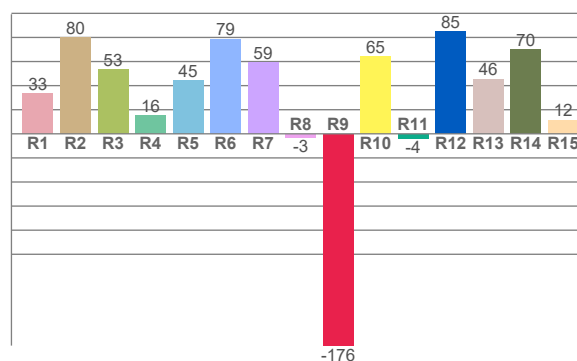
Color details



TM-30: 66.7



CRI: 45.3 (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
33.5	80.4	53.5	15.7	44.5	78.8	59.2	-2.9	-175.8	64.6	-3.8	84.7	45.6	70.0	11.6

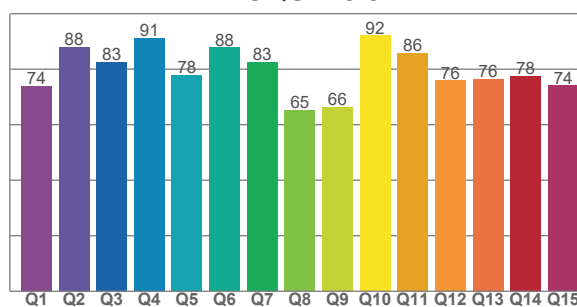
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
44.2	61.9	71.0	84.4	78.8	62.6	61.9	66.4	82.9	90.1	69.0	64.1	55.5	39.6	43.2	49.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74.0	88.0	82.6	91.1	78.0	87.8	82.6	65.2	66.4	92.1	85.8	76.0	76.4	77.5	74.1

CQS: 78.3



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	Δuv
11344 K	45.3	-175.8	66.7	129.2	78.3	0.292	0.252	0.215	0.278	-0.0316

TM-30 details

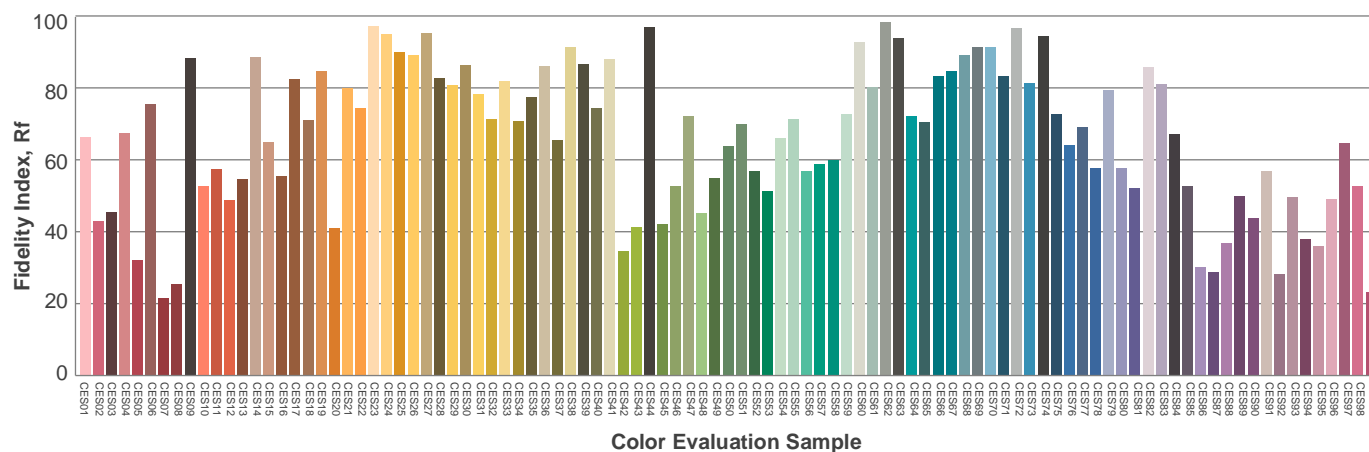
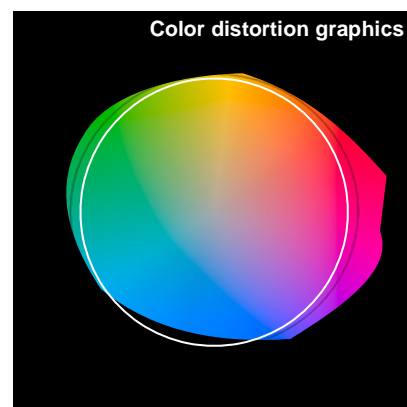
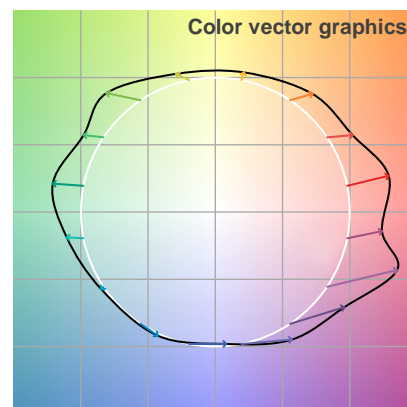
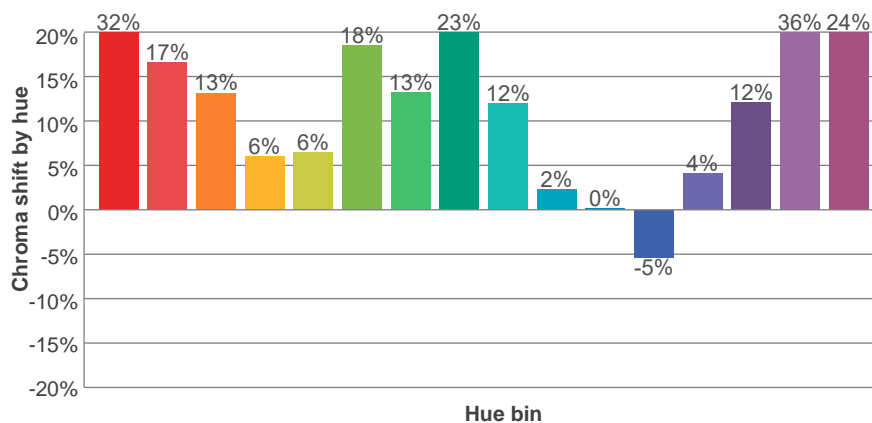
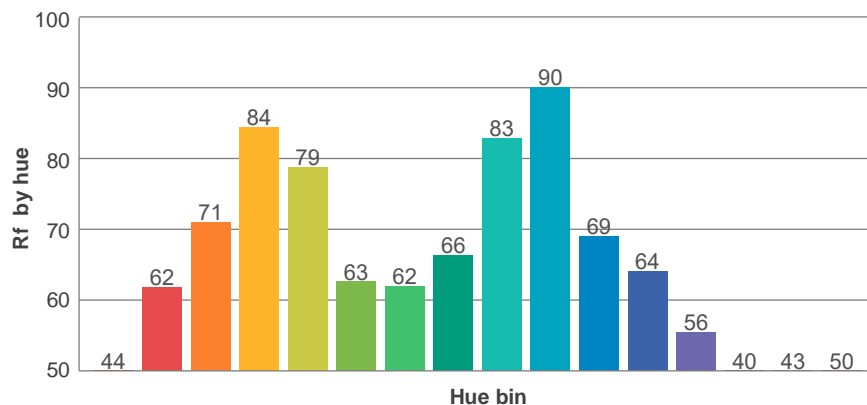
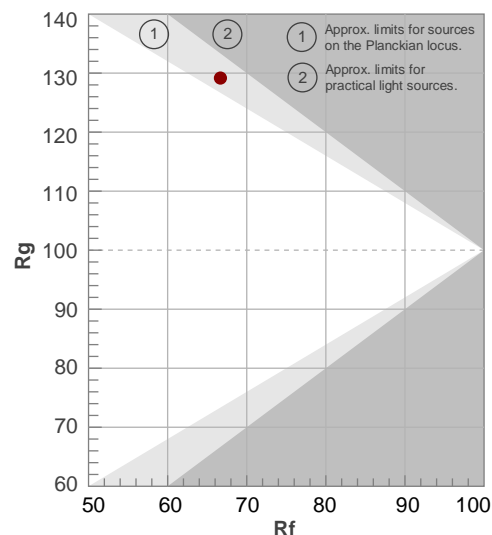
Rf 66.7

Fidelity index Rf

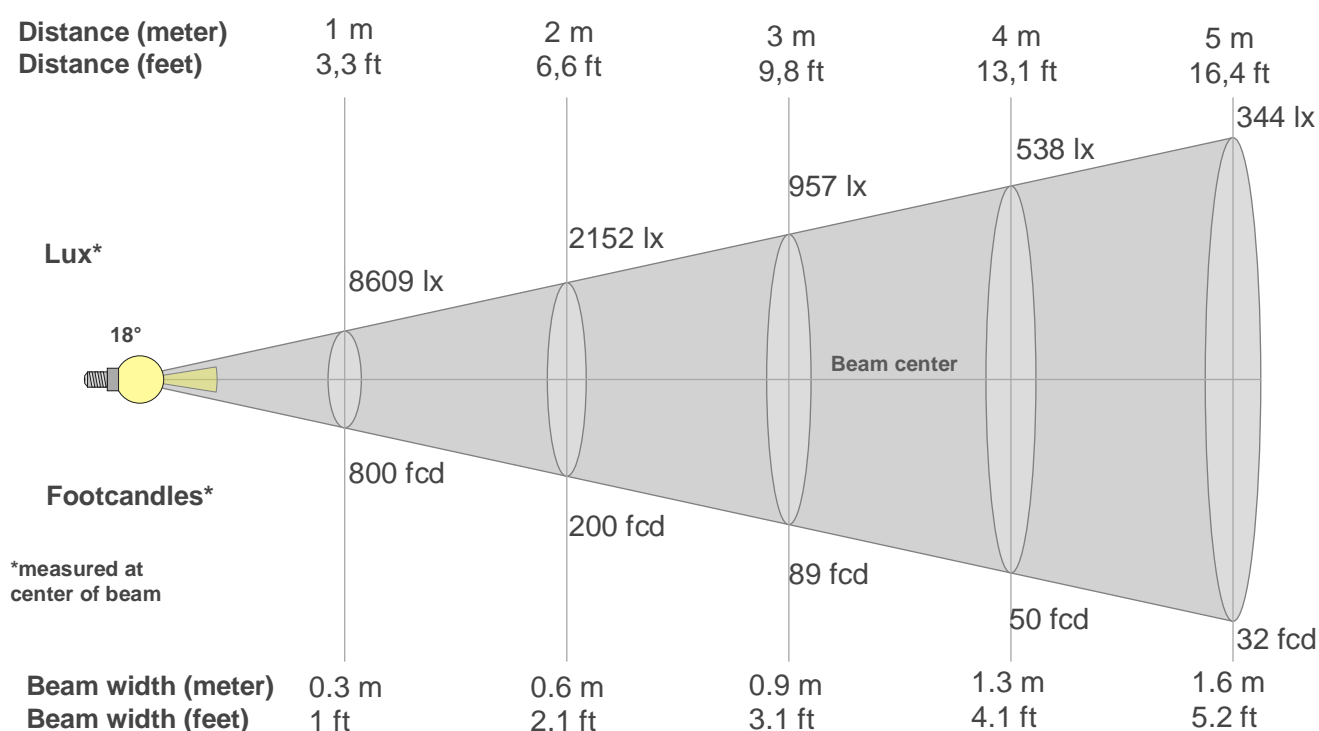
Rg 129.2

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	44	32%	1%
2	62	17%	-9%
3	71	13%	-11%
4	84	6%	-1%
5	79	6%	8%
6	63	18%	18%
7	62	13%	7%
8	66	23%	3%
9	83	12%	-3%
10	90	2%	1%
11	69	0%	15%
12	64	-5%	27%
13	56	4%	37%
14	40	12%	40%
15	43	36%	39%
16	50	24%	10%



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
8609lx	2152lx	957lx	538lx	344lx	239lx	176lx	135lx	106lx	86lx	71lx	60lx	51lx	44lx	38lx	34lx	30lx	27lx	24lx	22lx
799.8fcd	199.9fcd	88.9fcd	50fcd	32fcd	22.2fcd	16.3fcd	12.5fcd	9.9fcd	8fcd	6.6fcd	5.6fcd	4.7fcd	4.1fcd	3.6fcd	3.1fcd	2.8fcd	2.5fcd	2.2fcd	2fcd

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°
8609	8529	8361	8058	7662	7190	6579	5877	5115	4305	3526	2783	2157	1634	1193	894	677	517	418	340
100%	99%	97%	94%	89%	84%	76%	68%	59%	50%	41%	32%	25%	19%	14%	10%	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°
8609	8529	8361	8058	7662	7190	6579	5877	5115	4305	3526	2783	2157	1634	1193	894	677	517	418	340
100%	99%	97%	94%	89%	84%	76%	68%	59%	50%	41%	32%	25%	19%	14%	10%	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°
8609	8574	8388	8117	7742	7223	6624	5926	5130	4305	3455	2686	2003	1446	1071	779	580	457	361	294
100%	100%	97%	94%	90%	84%	77%	69%	60%	50%	40%	31%	23%	17%	12%	9%	7%	5%	4%	3%

Intensities in 270° c-plane

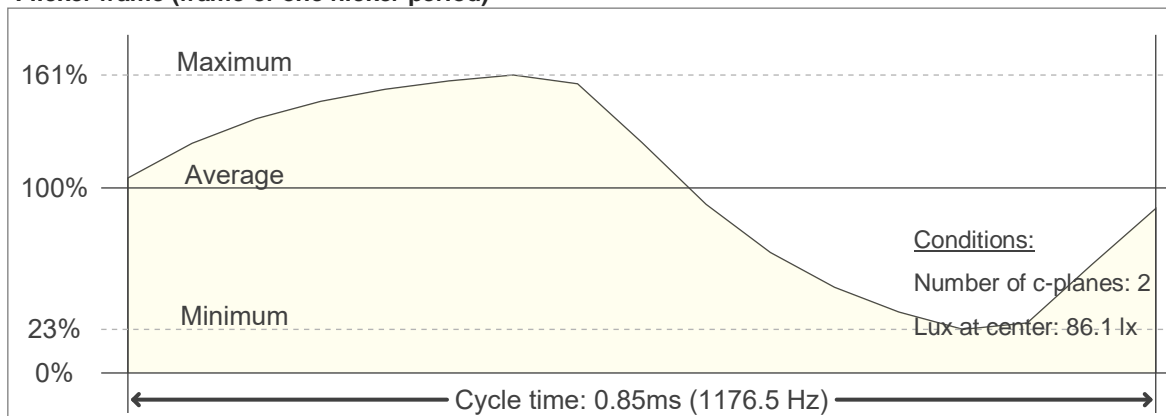
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8609	8574	8388	8117	7742	7223	6624	5926	5130	4305	3455	2686	2003	1446	1071	779	580	457	361	294
100%	100%	97%	94%	90%	84%	77%	69%	60%	50%	40%	31%	23%	17%	12%	9%	7%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18°	29.7°	42.5°	96.3%	90.7%

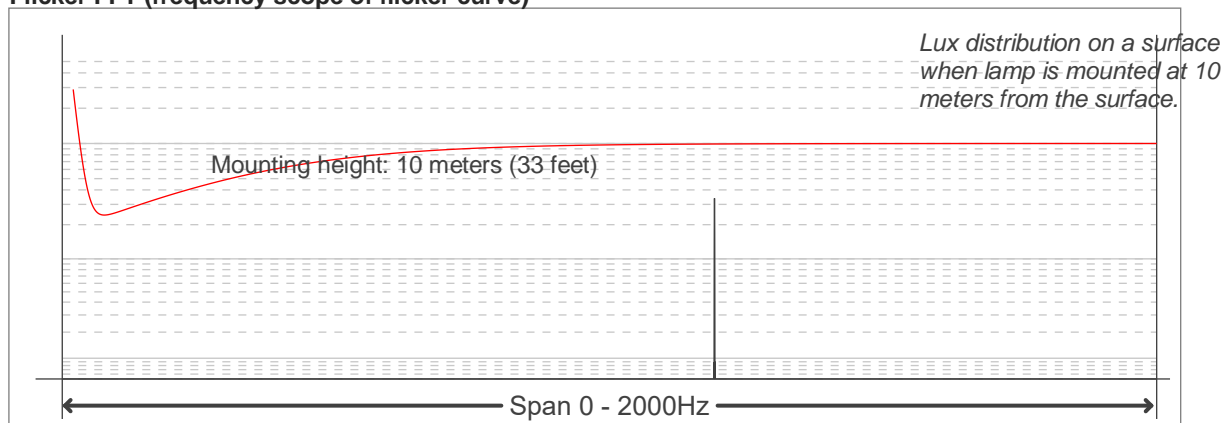
Flicker

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:	0.22	JA8/10 40Hz	0.25 %
Flicker percentage:	78.31 %	JA8/10 90Hz	0.58 %
SVM: (Visual flicker)	0.68	JA8/10 200Hz	1.32 %
PstLM	0.77	JA8/10 400Hz	2.85 %
Mp	0.05	JA8/10 1000Hz	14.07 %

Flicker conditions:

Sample rate:	20000 samples/second
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