

Light efficiency:

122 Lumen/Watt

Light quality:

CRI: 93,2

Color temperature:

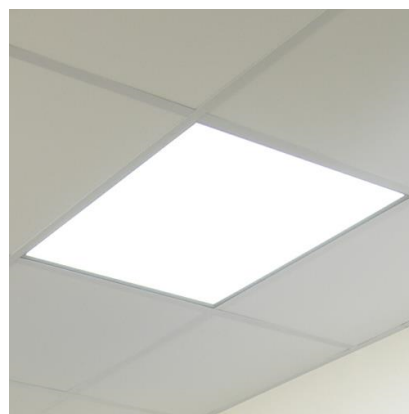
4088 K

Output: 3212 lm

Peak: 1561 cd

Power: 26,2 W

PF: 0,95



Tracking number: [VT231205-007894](https://www.visosystems.com/VT231205-007894)

Product name:

Plata CCT Dipswitch 4000K 26W

Item number:

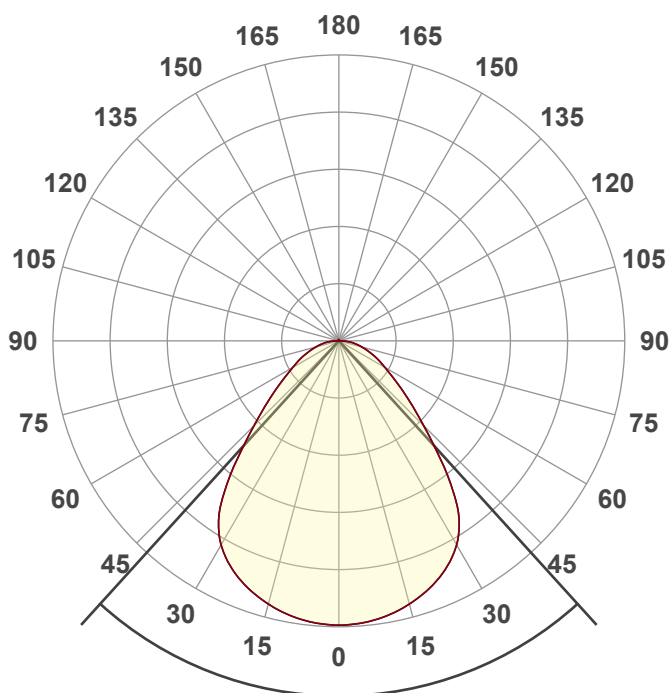
Date and time:

5-12-2023 14:07:11

Description:

Plata 2.11.9093

3.10.0504 Led driver



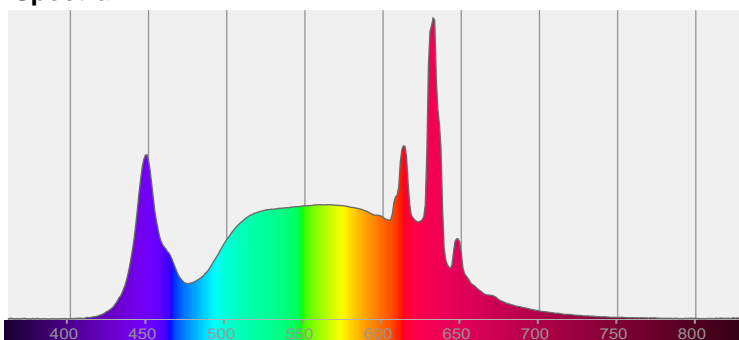
Beam angle

84,4°

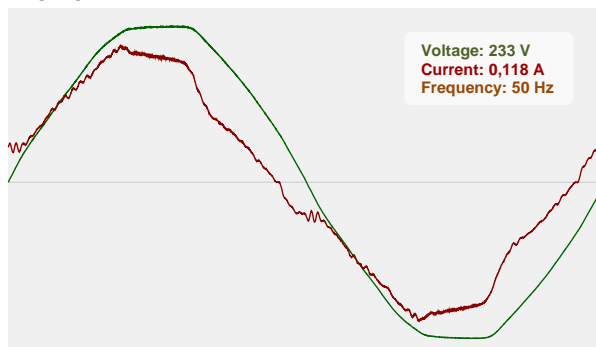


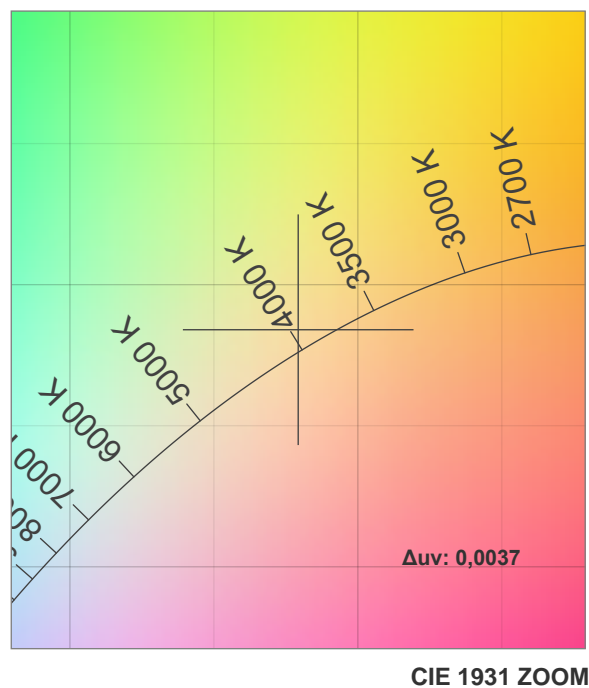
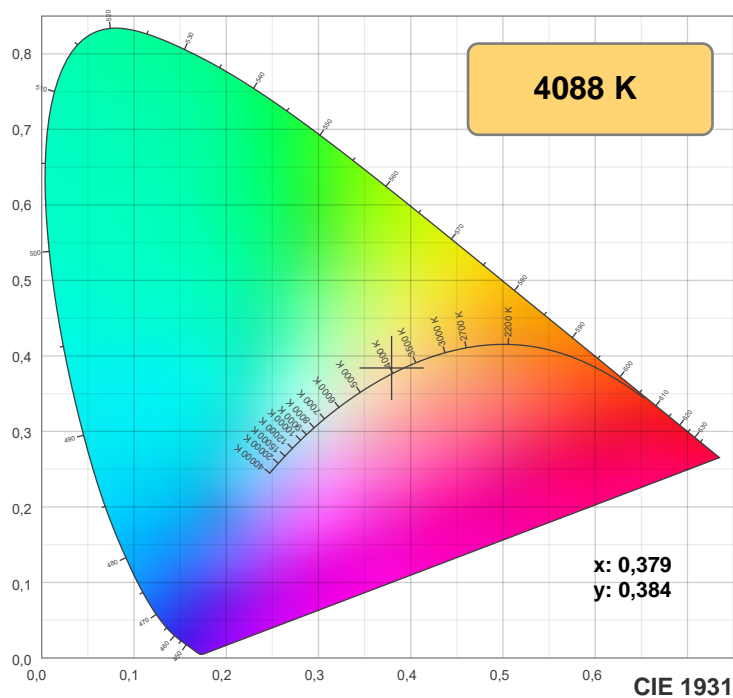
CIE 1931
x: 0,379
y: 0,384

Spectra

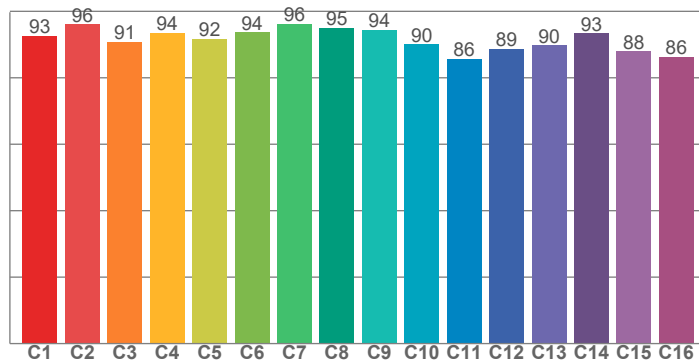


Power

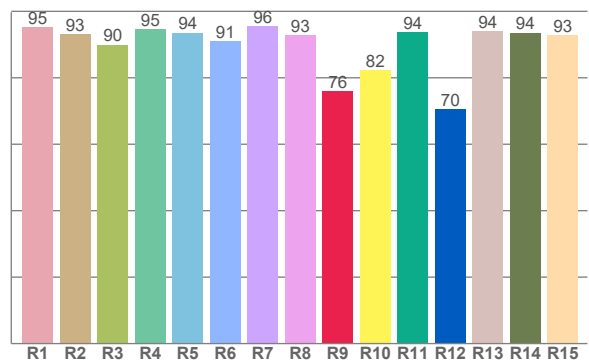




TM30: 91,4



CRI: 93,2 (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
95,2	93,0	89,9	94,6	93,6	91,0	95,6	92,9	76,0	82,4	93,6	70,4	93,9	93,6	92,9

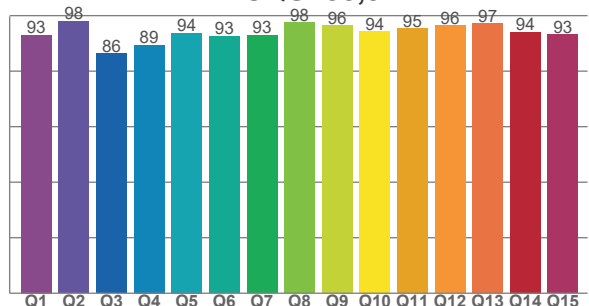
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,5	96,1	90,8	93,5	91,7	93,6	96,2	95,0	94,4	90,1	85,8	88,7	89,7	93,4	88,0	86,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,1	97,9	86,4	89,5	93,8	92,6	92,9	97,5	96,5	94,2	95,4	96,4	97,1	94,1	93,1

CQS: 93,3



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
4088 K	93,2	76,0	91,4	101,2	93,3	0,379	0,384	0,221	0,336	0,0037

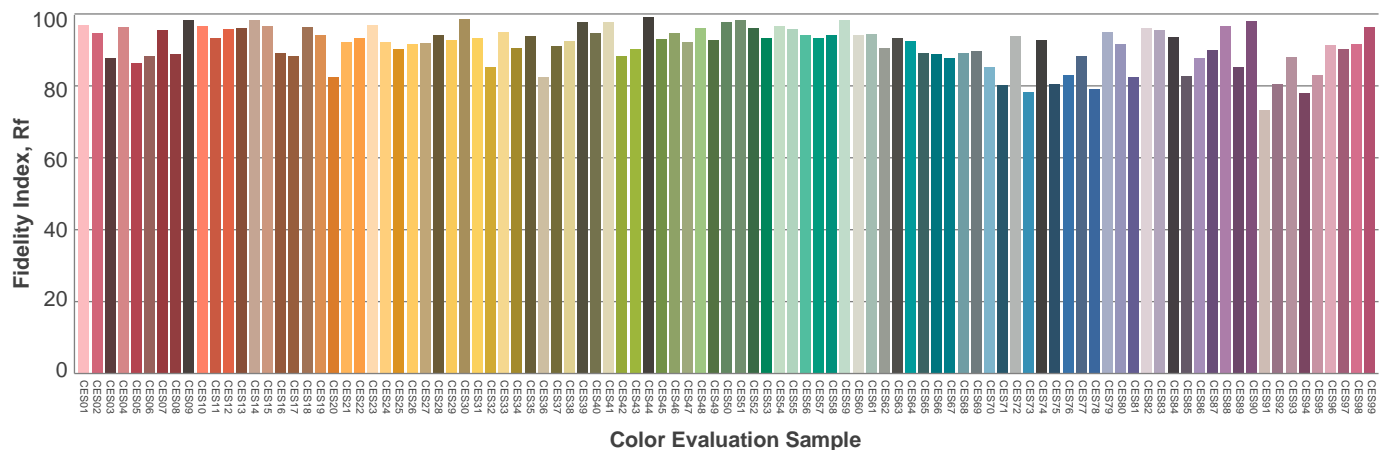
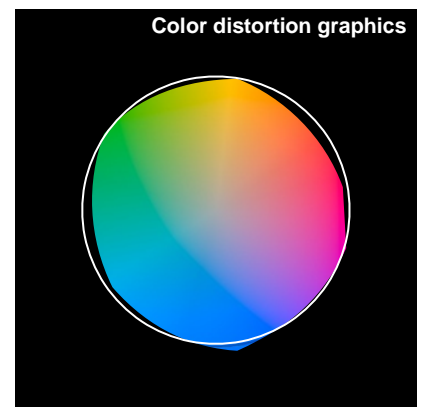
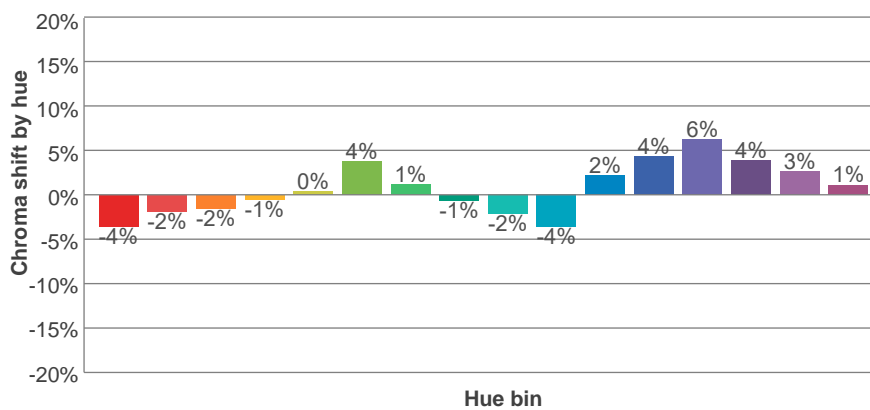
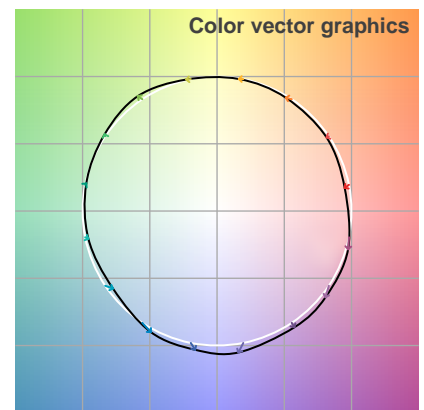
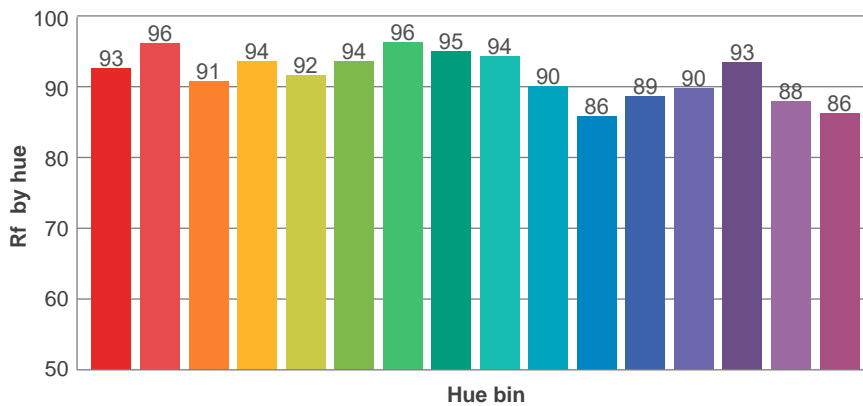
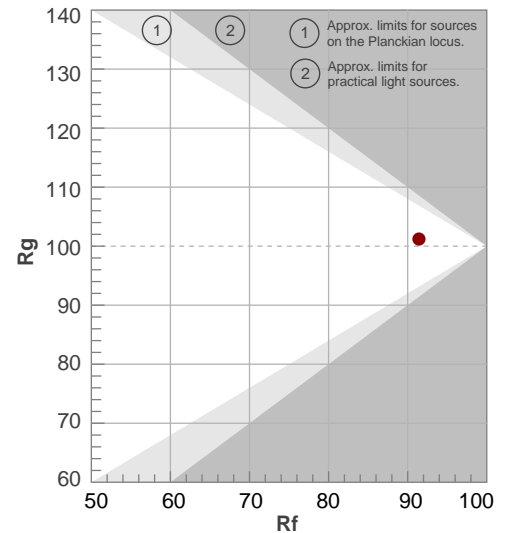
Rf 91,4

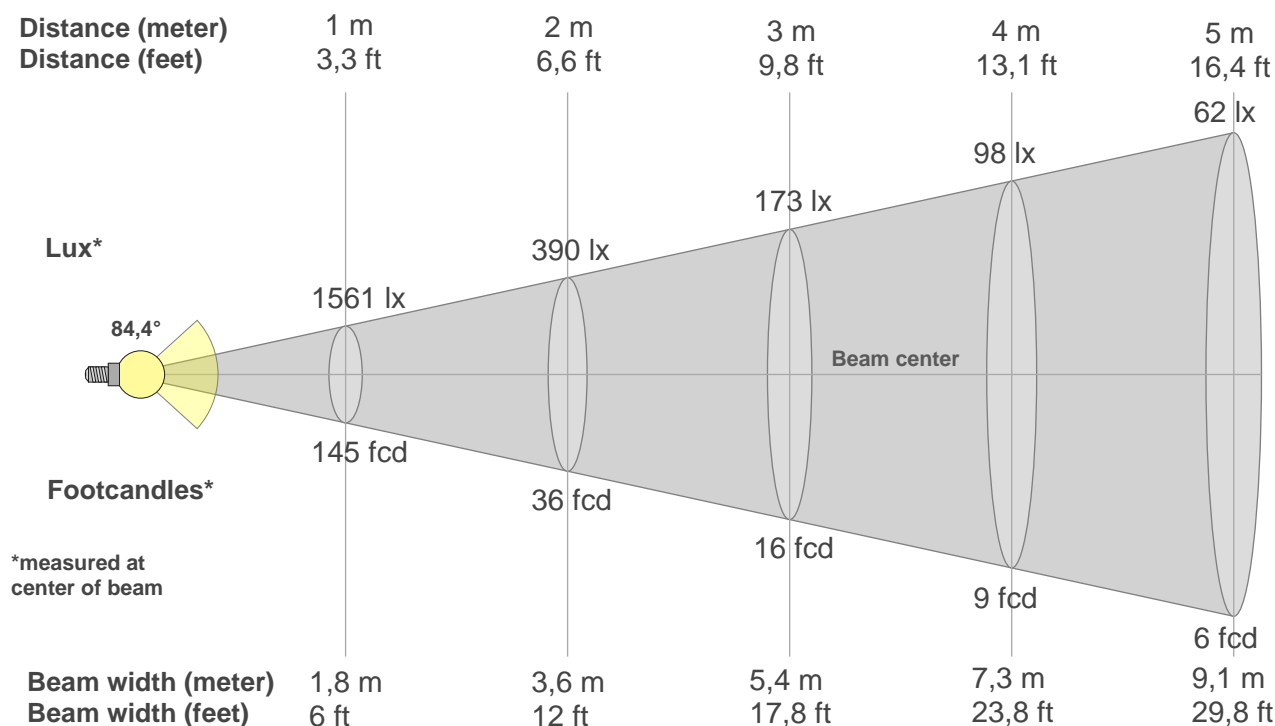
Fidelity index Rf

Rg 101,2

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-4%	-2%
2	96	-2%	0%
3	91	-2%	4%
4	94	-1%	3%
5	92	0%	3%
6	94	4%	2%
7	96	1%	-1%
8	95	-1%	-1%
9	94	-2%	1%
10	90	-4%	5%
11	86	2%	9%
12	89	4%	4%
13	90	6%	-5%
14	93	4%	0%
15	88	3%	-8%
16	86	1%	-9%





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
1561lx	390lx	173lx	98lx	62lx	43lx	32lx	24lx	19lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
145,1fcd	36,3fcd	16,1fcd	9,1fcd	5,8fcd	4fcd	3fcd	2,3fcd	1,8fcd	1,5fcd	1,2fcd	1fcd	0,9fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,4fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1561	1554	1532	1496	1449	1383	1290	1142	895	664	498	379	294	233	178	131	91	52	13	2
100%	100%	98%	96%	93%	89%	83%	73%	57%	43%	32%	24%	19%	15%	11%	8%	6%	3%	1%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1561	1554	1532	1496	1449	1383	1290	1142	895	664	498	379	294	233	178	131	91	52	13	2
100%	100%	98%	96%	93%	89%	83%	73%	57%	43%	32%	24%	19%	15%	11%	8%	6%	3%	1%	0%

Intensities in 180° c-plane

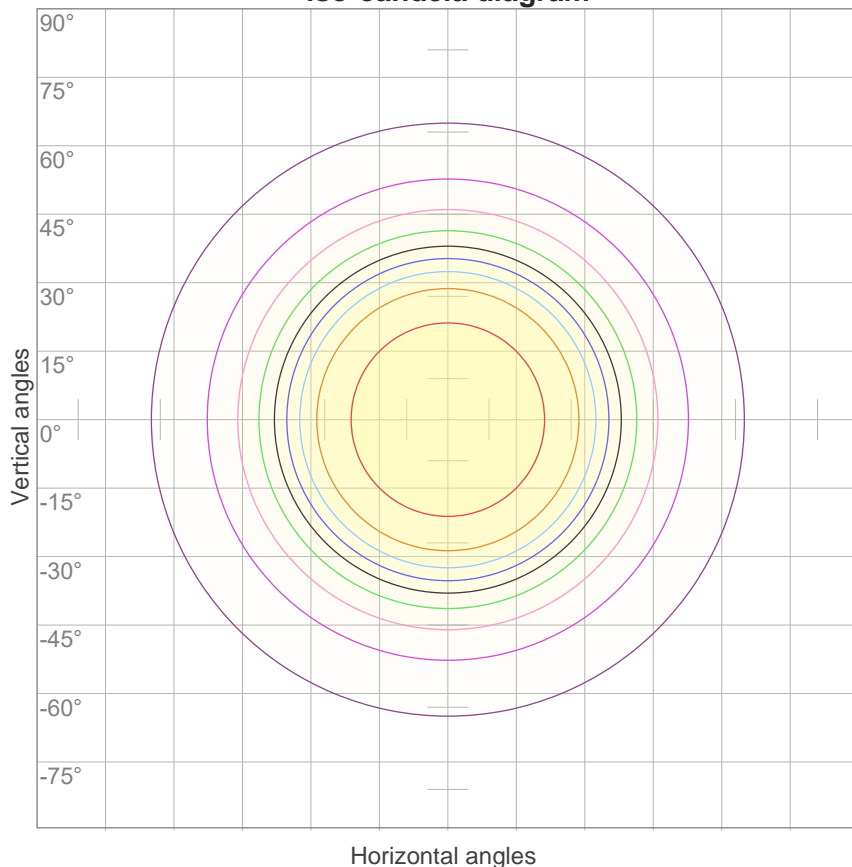
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1561	1554	1532	1496	1449	1383	1290	1142	895	664	498	379	294	233	178	131	91	52	13	2
100%	100%	98%	96%	93%	89%	83%	73%	57%	43%	32%	24%	19%	15%	11%	8%	6%	3%	1%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1561	1554	1532	1496	1449	1383	1290	1142	895	664	498	379	294	233	178	131	91	52	13	2
100%	100%	98%	96%	93%	89%	83%	73%	57%	43%	32%	24%	19%	15%	11%	8%	6%	3%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
84,4°	144,3°	172,8°	86,1%	68,3%

iso-candela diagram



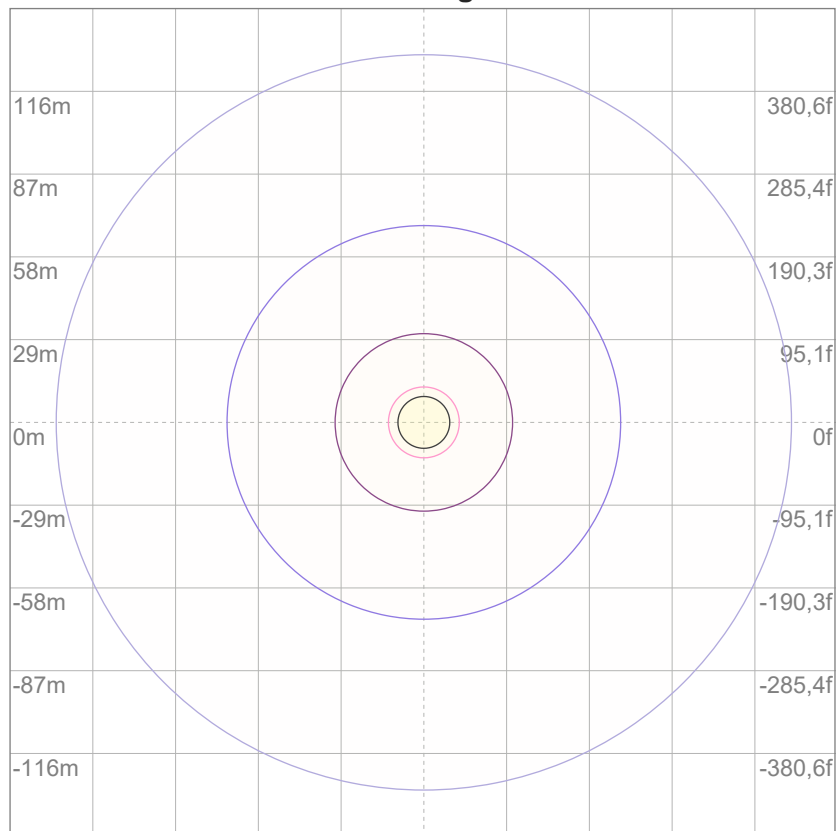
10%	156 cd
20%	312 cd
30%	468 cd
40%	625 cd
50%	781 cd
60%	937 cd
70%	1093 cd
80%	1249 cd
90%	1405 cd

Conditions:

Number of c-planes: 8

Candela at center: 1561 cd

iso-lux diagram



3%	0,468 lx
5%	0,781 lx
10%	1,56 lx
30%	4,68 lx
50%	7,81 lx

Conditions:

Number of c-planes: 8

Lux at center: 15,6 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Glare evaluation according to UGR

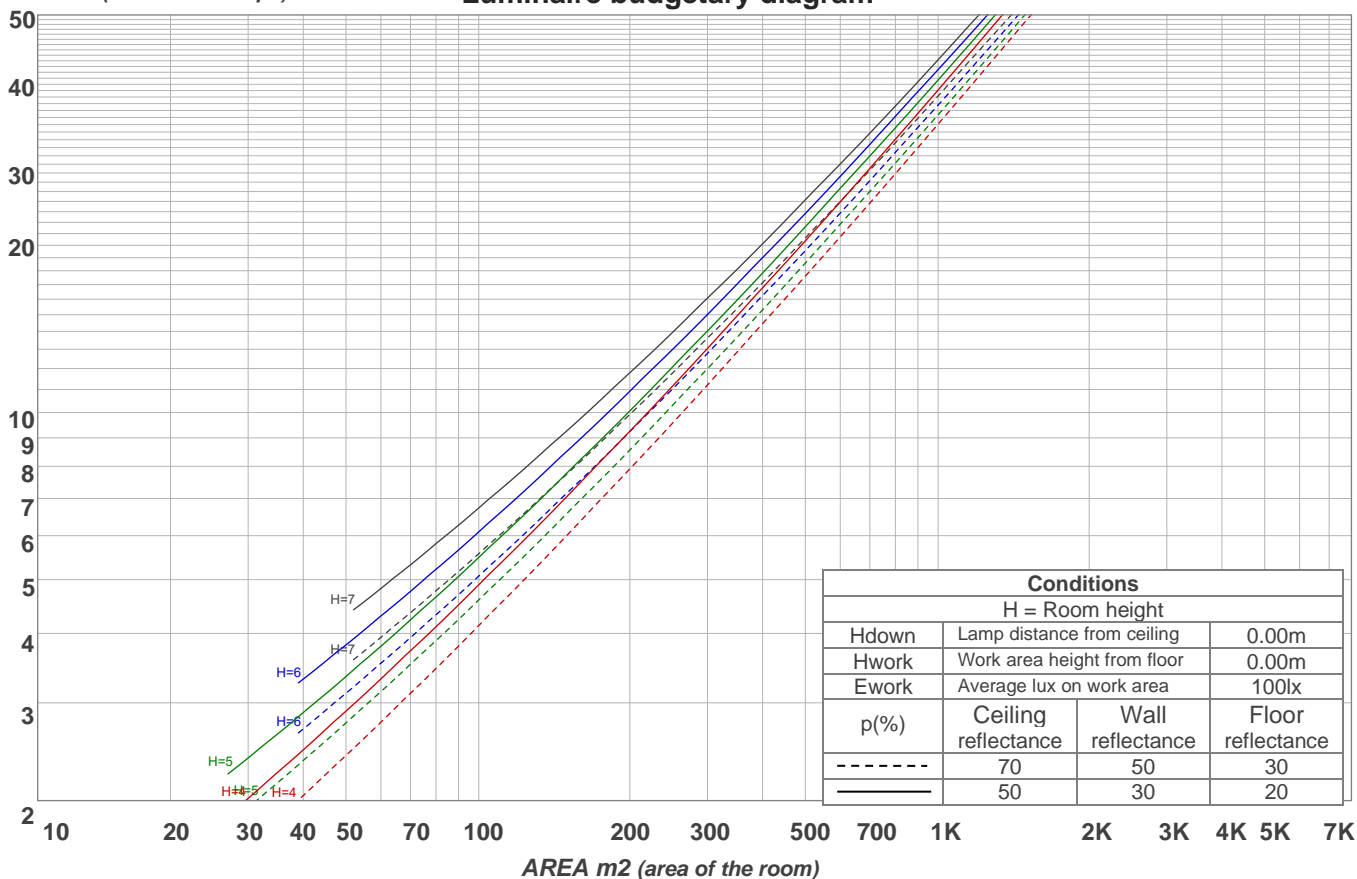
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	14,6	15,6	14,8	15,9	16,1	14,6	15,6	14,8	15,9	16,1
	3H	15,5	16,6	15,9	16,9	17,1	15,5	16,6	15,9	16,9	17,1
	4H	16,0	17,1	16,5	17,3	17,6	16,0	17,1	16,5	17,3	17,6
	6H	16,6	17,5	16,9	17,8	18,2	16,6	17,5	16,9	17,8	18,2
	8H	16,8	17,7	17,1	18,0	18,4	16,8	17,7	17,1	18,0	18,4
	12H	16,9	17,8	17,3	18,1	18,6	16,9	17,8	17,3	18,1	18,6
4H	2H	14,9	15,9	15,3	16,2	16,5	14,9	15,9	15,3	16,2	16,5
	3H	16,2	17,1	16,6	17,4	17,9	16,2	17,1	16,6	17,4	17,9
	4H	16,8	17,6	17,3	18,0	18,6	16,8	17,6	17,3	18,0	18,6
	6H	17,4	18,2	18,0	18,6	19,0	17,4	18,2	18,0	18,6	19,0
	8H	17,7	18,4	18,3	18,8	19,2	17,7	18,4	18,3	18,8	19,2
	12H	18,0	18,6	18,5	19,0	19,5	18,0	18,6	18,5	19,0	19,5
8H	4H	17,1	17,8	17,6	18,2	18,5	17,1	17,8	17,6	18,2	18,5
	6H	17,9	18,4	18,4	18,9	19,5	17,9	18,4	18,4	18,9	19,5
	8H	18,3	18,8	18,9	19,3	20,0	18,3	18,8	18,9	19,3	20,0
	12H	18,7	19,1	19,3	19,6	20,2	18,7	19,1	19,3	19,6	20,2
12H	4H	17,1	17,7	17,6	18,1	18,6	17,1	17,7	17,6	18,1	18,6
	6H	18,0	18,5	18,5	19,0	19,6	18,0	18,5	18,5	19,0	19,6
	8H	18,5	18,9	19,1	19,4	20,0	18,5	18,9	19,1	19,4	20,0
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,2 / -0,2					0,2 / -0,2				
S = 1.5H		0,4 / -0,4					0,4 / -0,4				
S = 2.0H		0,9 / -0,7					0,9 / -0,7				
CIE 117-1995. Corrected glare indices referring to 3212 lm total luminous flux											

Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65
4	87	76	68	62	85	75	67	62	72	66	61	70	64	60	68	63	59	57
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31

LAMPS (number of lamps)

Luminaire budgetary diagram



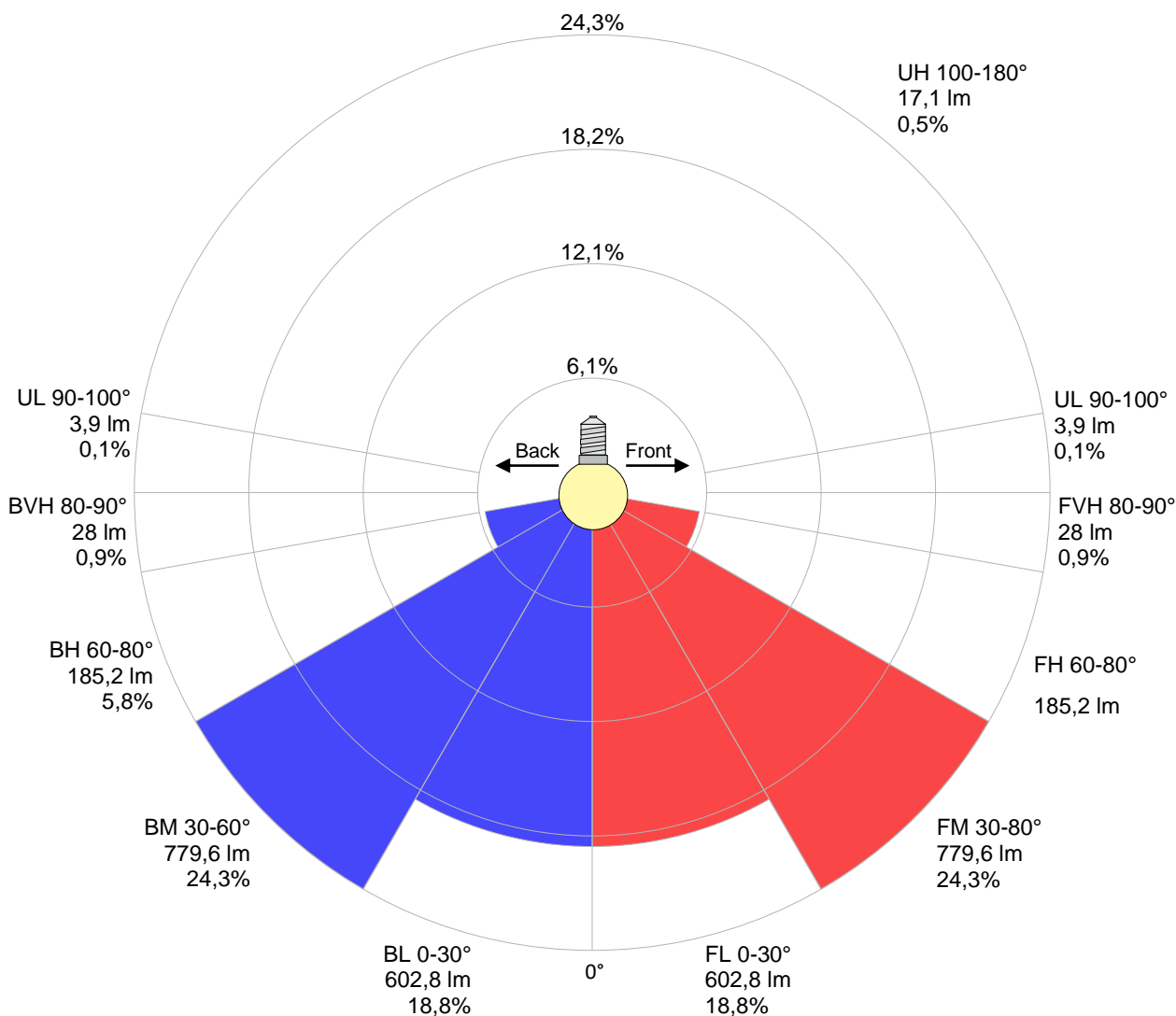
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
{LUM0-10}	422 lm	637 lm	700 lm	515 lm	344 lm	230 lm	139 lm	56,7 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
3,21 lm	2,56 lm	2,71 lm	2,91 lm	2,81 lm	2,53 lm	1,98 lm	1,20 lm	0,431 lm

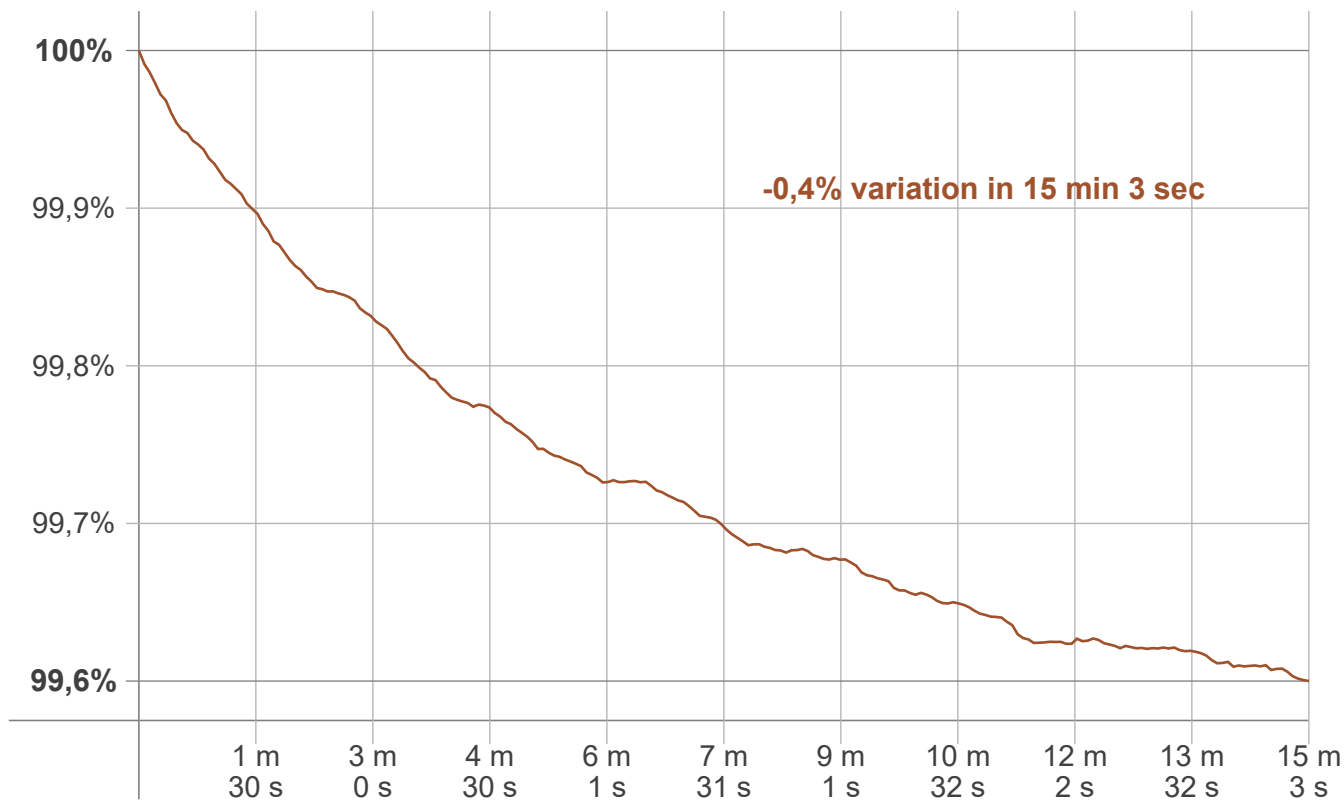
LCS table

BUG rating:	B2 U2 G1	
Forward light	Lumens	Lumens %
Low(0-30):	602,8	18,8%
Medium(30-60):	779,6	24,3%
High(60-80):	185,2	5,8%
Very high(80-90):	28	0,9%
Back light		
Low(0-30):	602,8	18,8%
Medium(30-60):	779,6	24,3%
High(60-80):	185,2	5,8%
Very high(80-90):	28	0,9%
Uplight		
Low(90-100):	3,9	0,1%
High(100-180):	17,1	0,5%

LCS graph



Warmup curve



Warmup result

Warmup time:	Lamp stabilized in 15 min 3 sec
Warmup variation	-0,4%

Warmup conditions

Stable period:	15 min
Stable change max:	2,0%
Minimum time:	15 min

Color temperature change

CCT start	CCT change	CCT end
4093 K	-5 K	4088 K

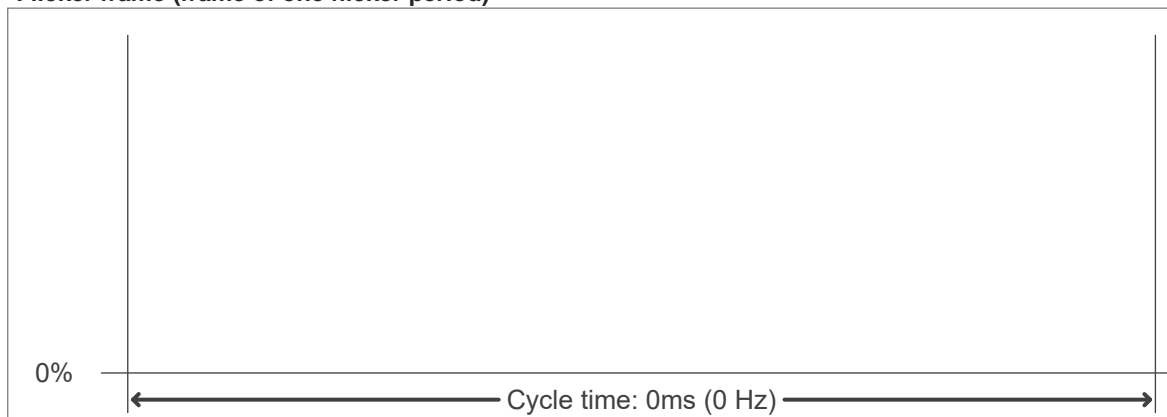
Output change

Output start	Output change	Output end
3223 lm	-11 lm	3212 lm

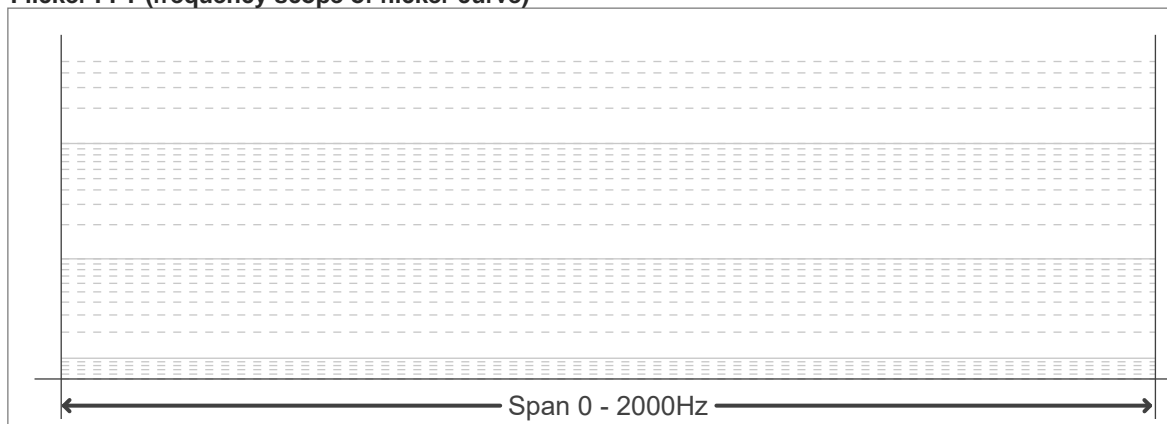
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		n/a Hz	
Flicker index:	n/a	JA8/10 40Hz	n/a %
Flicker percentage:	n/a %	JA8/10 90Hz	n/a %
SVM: (Visual flicker)	n/a	JA8/10 200Hz	n/a %
PstLM	n/a	JA8/10 400Hz	n/a %
Mp	n/a	JA8/10 1000Hz	n/a %

Flicker conditions:

Sample rate:	n/a samples/second
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