

Light efficiency:

113 Lumen/Watt

Light quality:

CRI: 94,8

Color temperature:

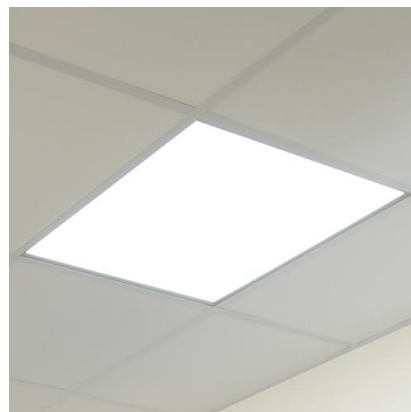
3022 K

Output: 2957 lm

Peak: 1443 cd

Power: 26,2 W

PF: 0,95



Tracking number: [VT231205-003317](#)

Product name:

Plata CCT Dipswitch 3000K 26W

Item number:

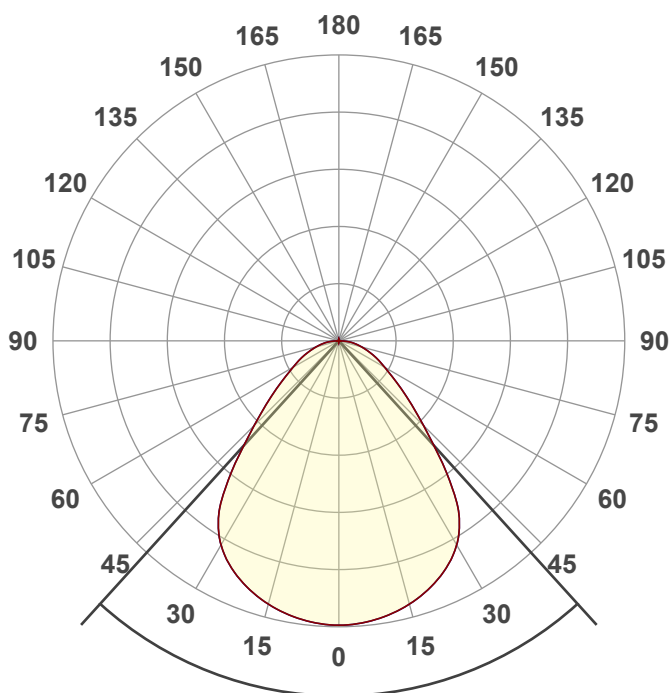
Date and time:

5-12-2023 14:17:34

Description:

Plata 2.11.9093

3.10.0504 Led driver



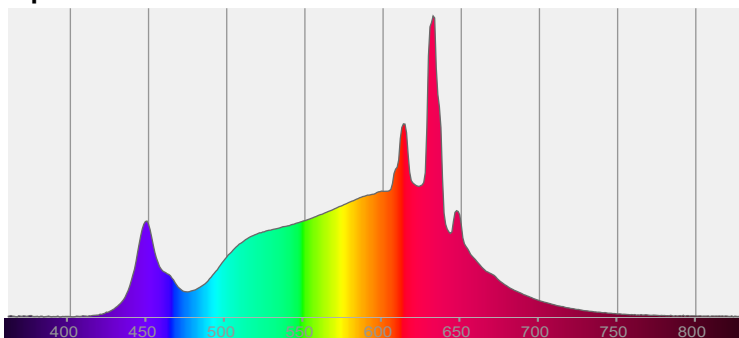
Beam angle

84,5°

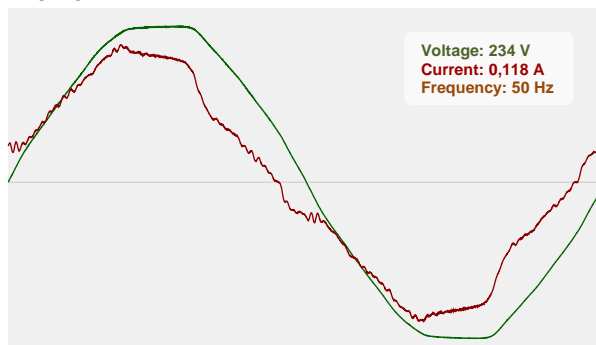


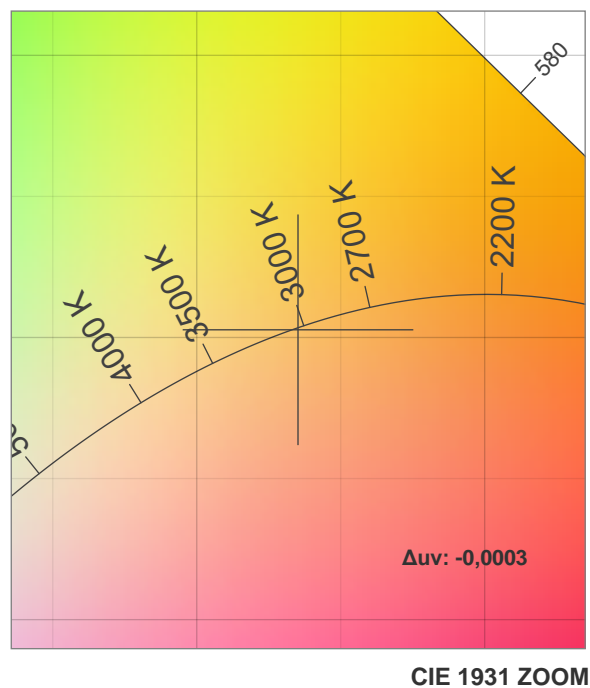
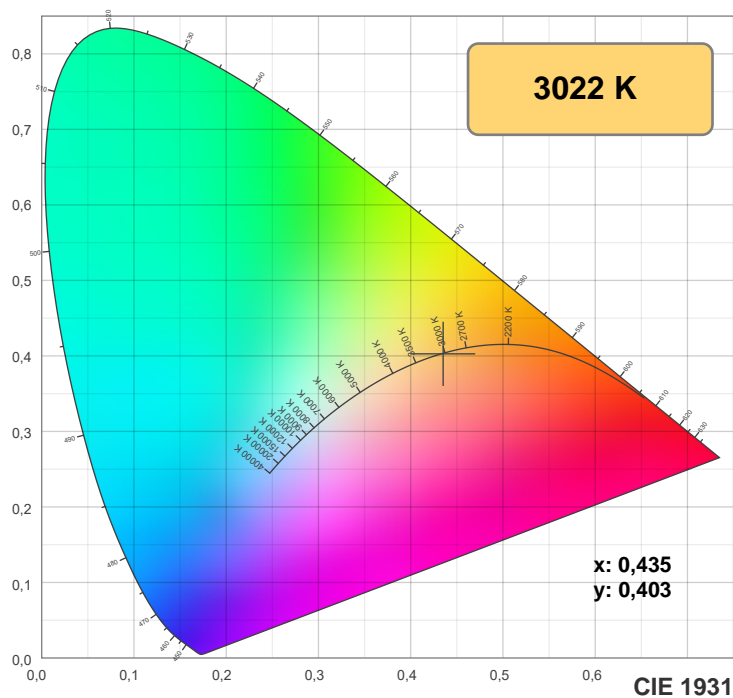
CIE 1931
x: 0,435
y: 0,403

Spectra

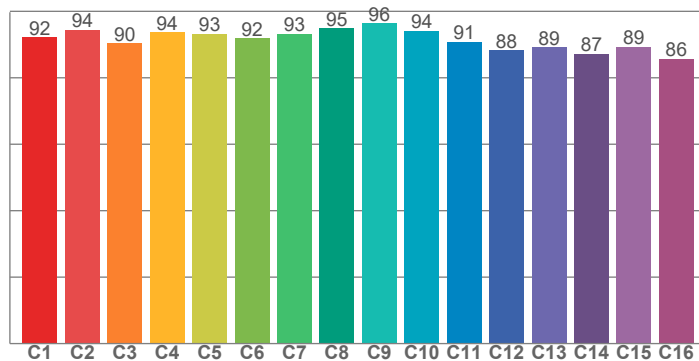


Power

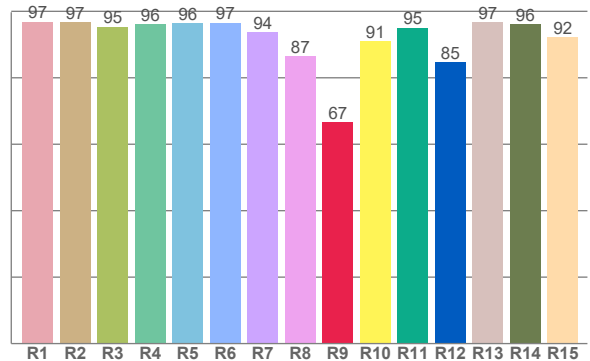




TM-30: 91,9



CRI: 94,8 (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
96,9	96,7	95,3	96,0	96,3	96,6	93,6	86,6	66,7	90,9	95,0	84,6	96,7	96,2	92,2

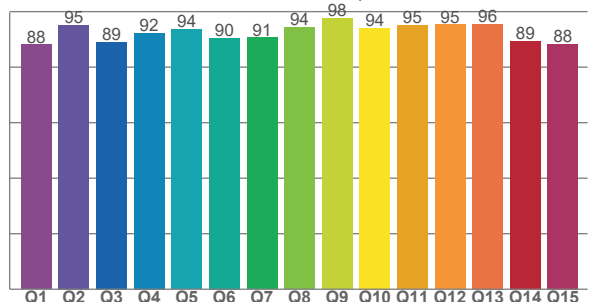
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,1	94,4	90,4	93,7	93,2	91,9	93,2	94,8	96,3	94,2	90,9	88,3	89,1	87,2	89,4	85,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,2	95,2	89,1	92,4	93,7	90,4	90,6	94,4	97,6	94,0	95,1	95,4	95,5	89,5	88,4

CQS: 91,9



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
3022 K	94,8	66,7	91,9	102,0	91,9	0,435	0,403	0,250	0,347	-0,0003

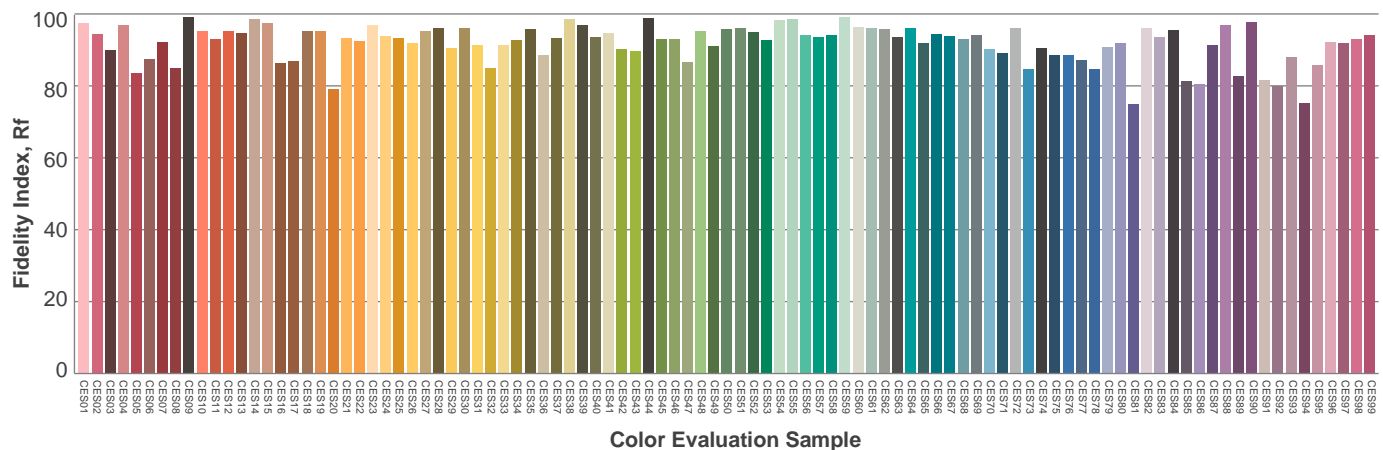
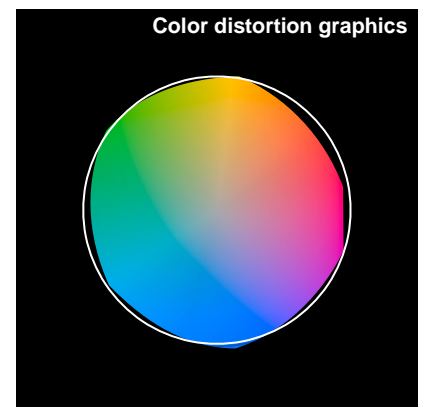
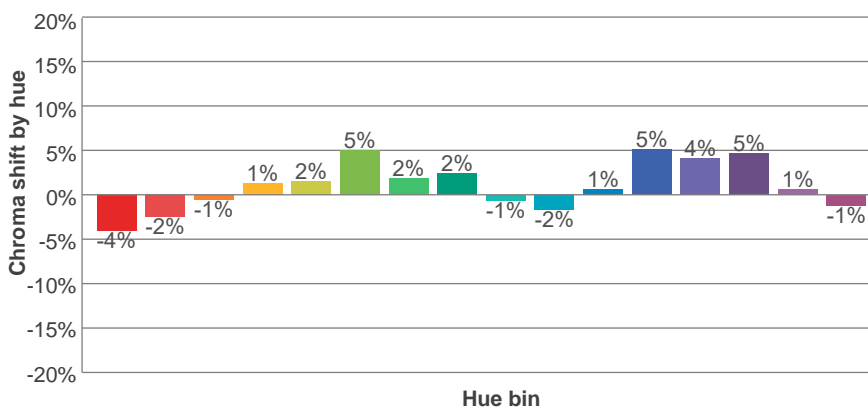
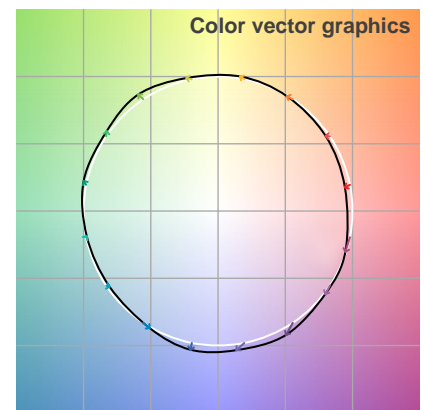
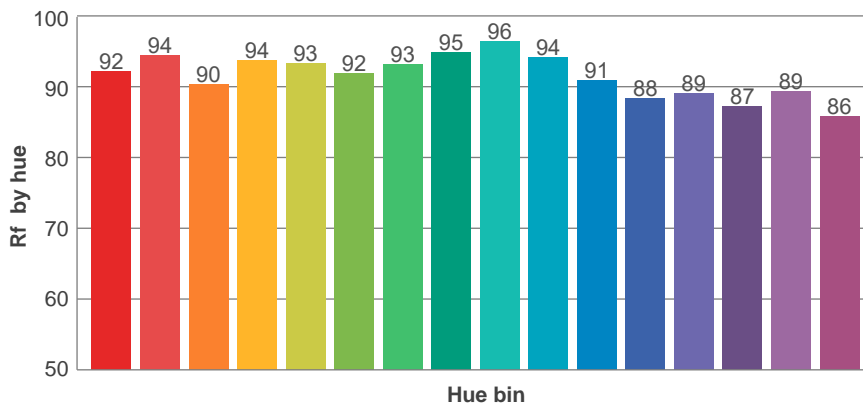
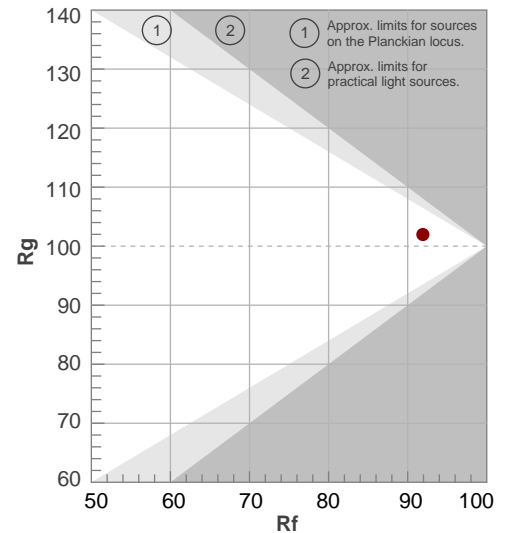
Rf 91,9

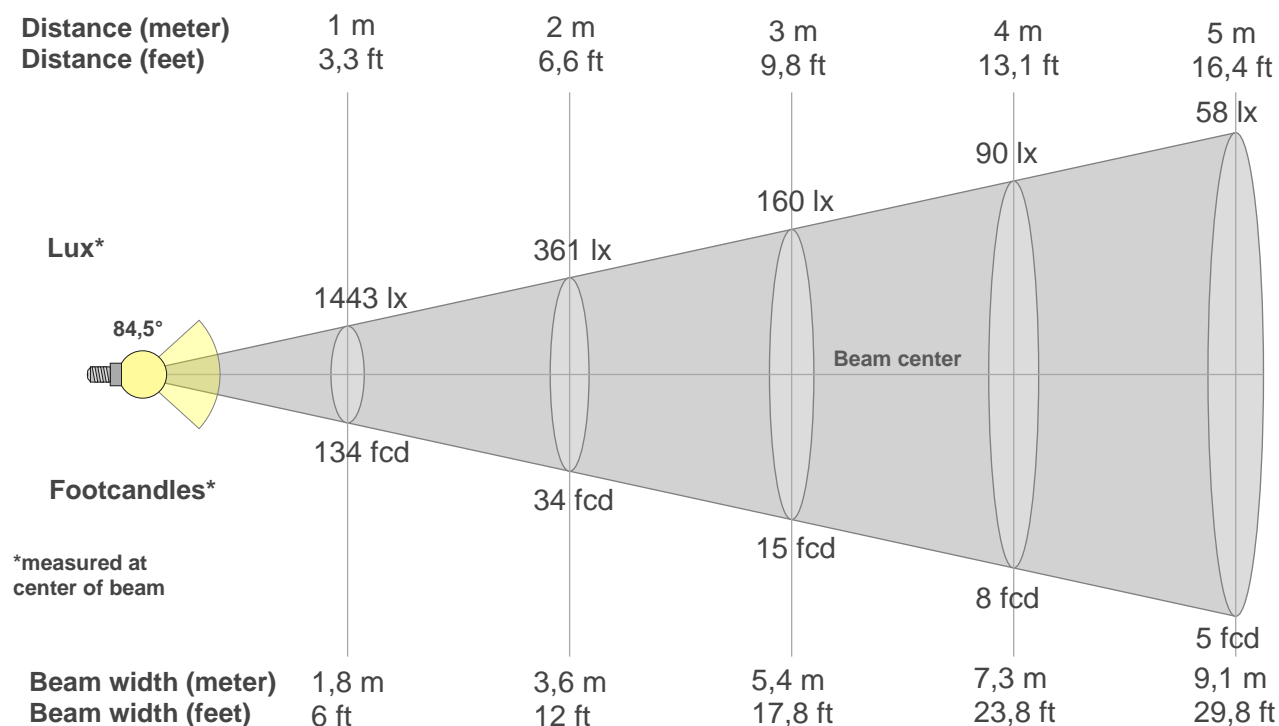
Fidelity index Rf

Rg 102,0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	94	-2%	2%
3	90	-1%	5%
4	94	1%	3%
5	93	2%	4%
6	92	5%	1%
7	93	2%	-3%
8	95	2%	-2%
9	96	-1%	-1%
10	94	-2%	2%
11	91	1%	6%
12	88	5%	0%
13	89	4%	-7%
14	87	5%	-9%
15	89	1%	-7%
16	86	-1%	-11%





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
1443lx	361lx	160lx	90lx	58lx	40lx	29lx	23lx	18lx	14lx	12lx	10lx	9lx	7lx	6lx	6lx	5lx	4lx	4lx	4lx
134,1fc	33,5fcd	14,9fcd	8,4fcd	5,4fcd	3,7fcd	2,7fcd	2,1fcd	1,7fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd

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°
1443	1436	1416	1383	1339	1279	1193	1057	828	612	459	348	270	214	163	120	83	47	10	1
100%	100%	98%	96%	93%	89%	83%	73%	57%	42%	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°
1443	1436	1416	1383	1339	1279	1193	1057	828	612	459	348	270	214	163	120	83	47	10	1
100%	100%	98%	96%	93%	89%	83%	73%	57%	42%	32%	24%	19%	15%	11%	8%	6%	3%	1%	0%

Intensities in 180° c-plane

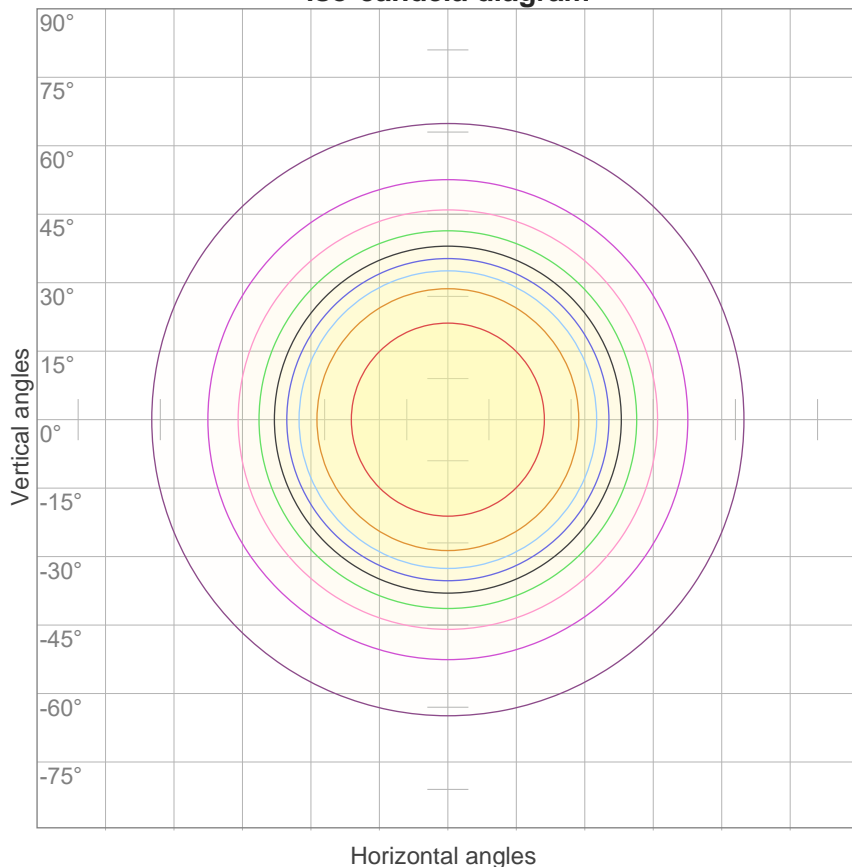
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1443	1436	1416	1383	1339	1279	1193	1057	828	612	459	348	270	214	163	120	83	47	10	1
100%	100%	98%	96%	93%	89%	83%	73%	57%	42%	32%	24%	19%	15%	11%	8%	6%	3%	1%	0%

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°
1443	1436	1416	1383	1339	1279	1193	1057	828	612	459	348	270	214	163	120	83	47	10	1
100%	100%	98%	96%	93%	89%	83%	73%	57%	42%	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
84,5°	144,2°	172,5°	86,4%	68,6%

iso-candela diagram



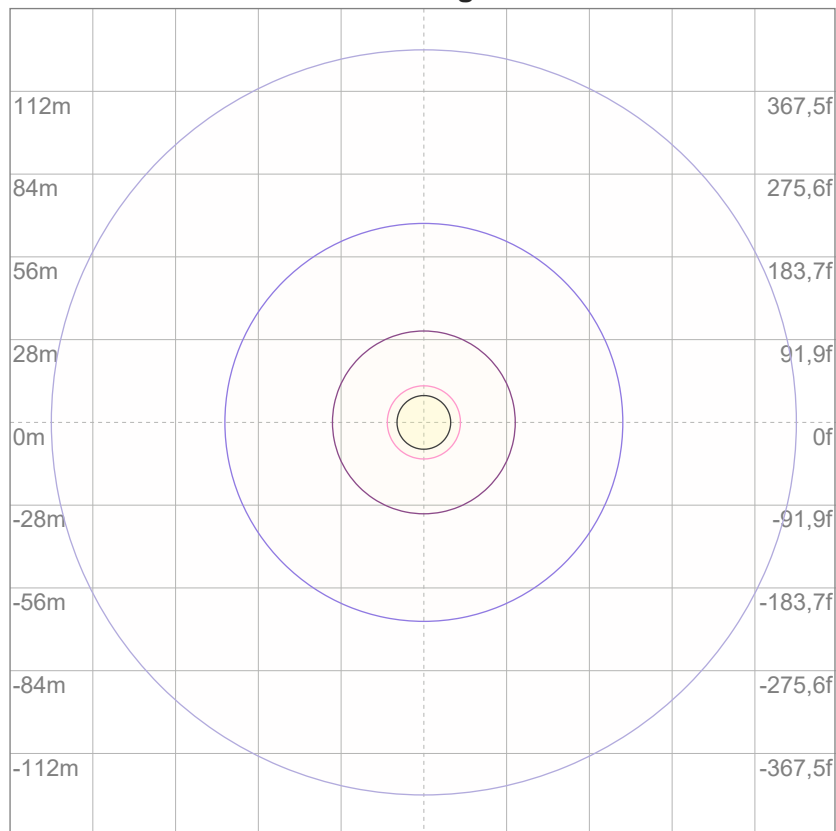
10%	144 cd
20%	289 cd
30%	433 cd
40%	577 cd
50%	721 cd
60%	866 cd
70%	1010 cd
80%	1154 cd
90%	1299 cd

Conditions:

Number of c-planes: 8

Candela at center: 1443 cd

iso-lux diagram



3%	0,433 lx
5%	0,721 lx
10%	1,44 lx
30%	4,33 lx
50%	7,21 lx

Conditions:

Number of c-planes: 8

Lux at center: 14,4 lx

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

Glare evaluation according to UGR

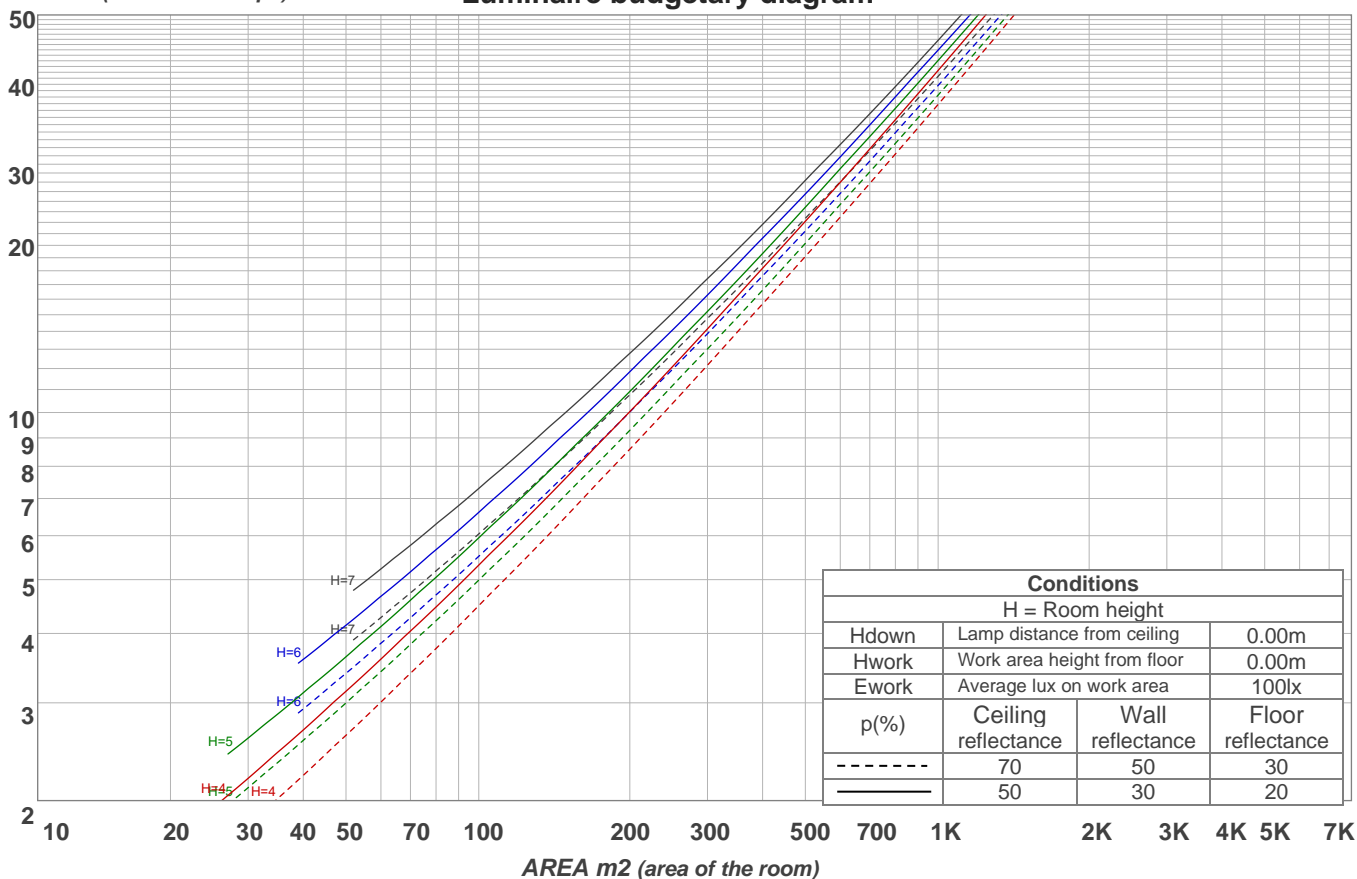
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	14,3	15,3	14,5	15,6	15,8	14,3	15,3	14,5	15,6	15,8
	3H	15,2	16,3	15,7	16,6	16,8	15,2	16,3	15,7	16,6	16,8
	4H	15,8	16,8	16,2	17,1	17,3	15,8	16,8	16,2	17,1	17,3
	6H	16,3	17,2	16,6	17,5	17,9	16,3	17,2	16,6	17,5	17,9
	8H	16,5	17,4	16,8	17,7	18,1	16,5	17,4	16,8	17,7	18,1
	12H	16,6	17,5	17,0	17,8	18,3	16,6	17,5	17,0	17,8	18,3
4H	2H	14,6	15,7	15,0	15,9	16,2	14,6	15,7	15,0	15,9	16,2
	3H	16,0	16,8	16,3	17,2	17,6	16,0	16,8	16,3	17,2	17,6
	4H	16,5	17,3	17,0	17,7	18,3	16,5	17,3	17,0	17,7	18,3
	6H	17,2	17,9	17,7	18,3	18,6	17,2	17,9	17,7	18,3	18,6
	8H	17,4	18,1	17,9	18,5	18,9	17,4	18,1	17,9	18,5	18,9
	12H	17,7	18,2	18,2	18,7	19,1	17,7	18,2	18,2	18,7	19,1
8H	4H	16,8	17,5	17,3	17,9	18,2	16,8	17,5	17,3	17,9	18,2
	6H	17,6	18,1	18,1	18,6	19,1	17,6	18,1	18,1	18,6	19,1
	8H	18,0	18,5	18,5	19,0	19,6	18,0	18,5	18,5	19,0	19,6
	12H	18,4	18,8	19,0	19,3	19,9	18,4	18,8	19,0	19,3	19,9
12H	4H	16,8	17,4	17,3	17,8	18,3	16,8	17,4	17,3	17,8	18,3
	6H	17,7	18,2	18,2	18,7	19,3	17,7	18,2	18,2	18,7	19,3
	8H	18,2	18,5	18,7	19,0	19,7	18,2	18,5	18,7	19,0	19,7
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 2957 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	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	102	94	88	83	99	92	87	82	89	84	80	86	82	78	83	80	77	75
3	94	84	77	72	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	40	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	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

LAMPS (number of lamps)

Luminaire budgetary diagram



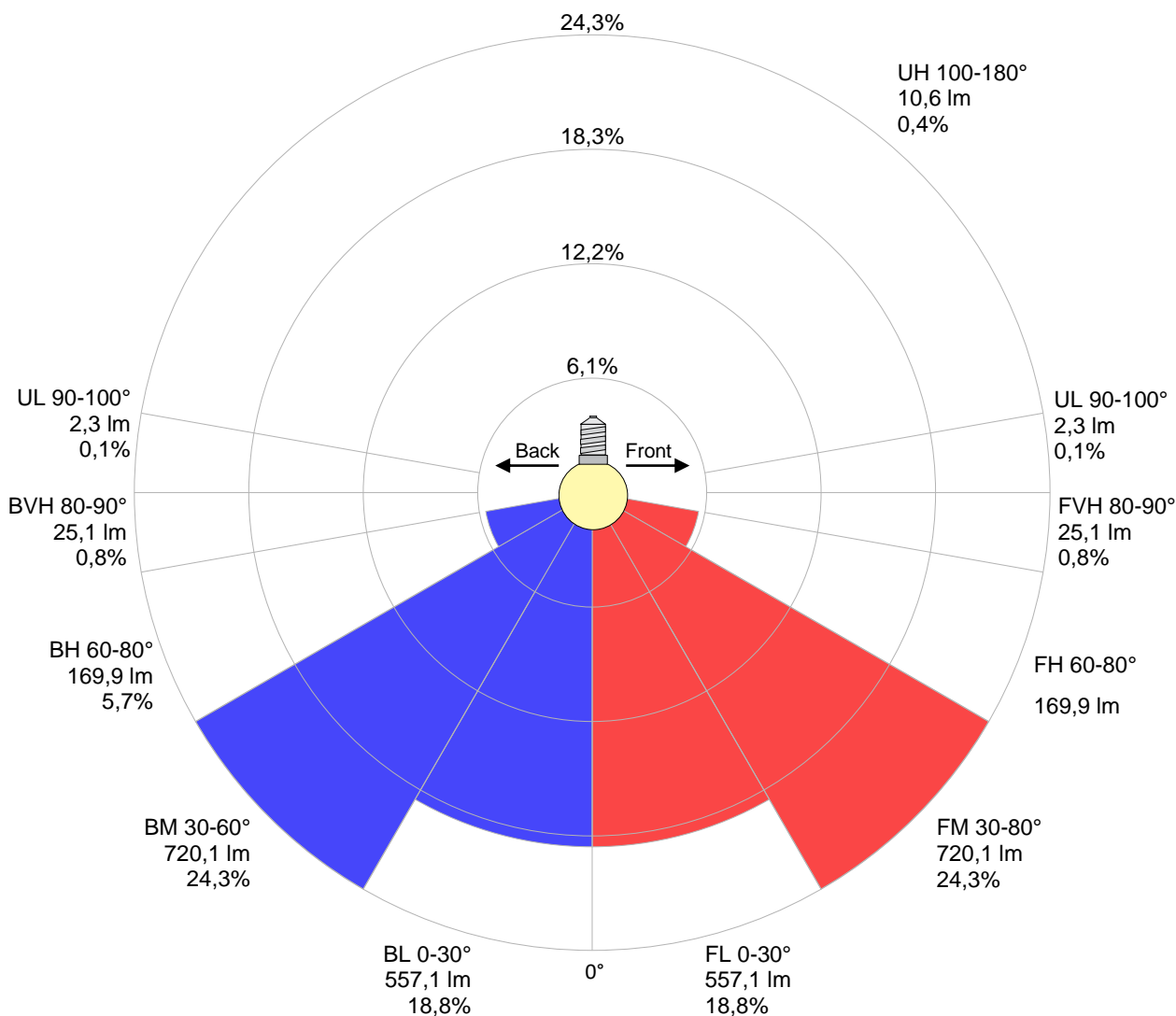
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
{LUM0-10}	390 lm	590 lm	646 lm	477 lm	317 lm	210 lm	128 lm	50,9 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
1,33 lm	1,36 lm	1,66 lm	1,62 lm	1,76 lm	1,78 lm	1,28 lm	0,845 lm	0,319 lm

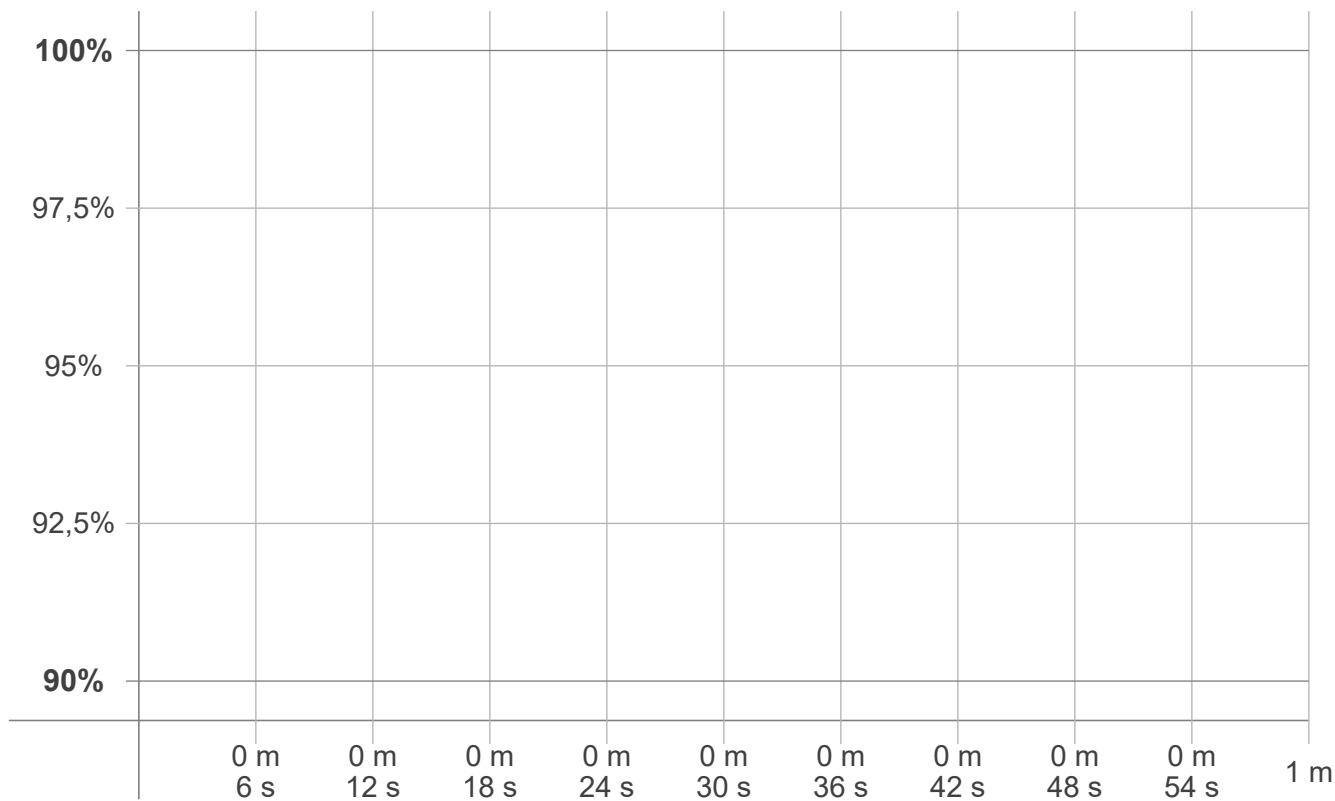
LCS table

BUG rating:	B2 U2 G1	
Forward light	Lumens	Lumens %
Low(0-30):	557,1	18,8%
Medium(30-60):	720,1	24,3%
High(60-80):	169,9	5,7%
Very high(80-90):	25,1	0,8%
Back light		
Low(0-30):	557,1	18,8%
Medium(30-60):	720,1	24,3%
High(60-80):	169,9	5,7%
Very high(80-90):	25,1	0,8%
Uplight		
Low(90-100):	2,3	0,1%
High(100-180):	10,6	0,4%

LCS graph



Warmup curve



Warmup result

Warmup time:	n/a
Warmup variation	n/a%

Warmup conditions

Stable period:	n/a
Stable change max:	n/a%
Minimum time:	n/a

Color temperature change

CCT start	CCT change	CCT end
n/a K	n/a K	3022 K

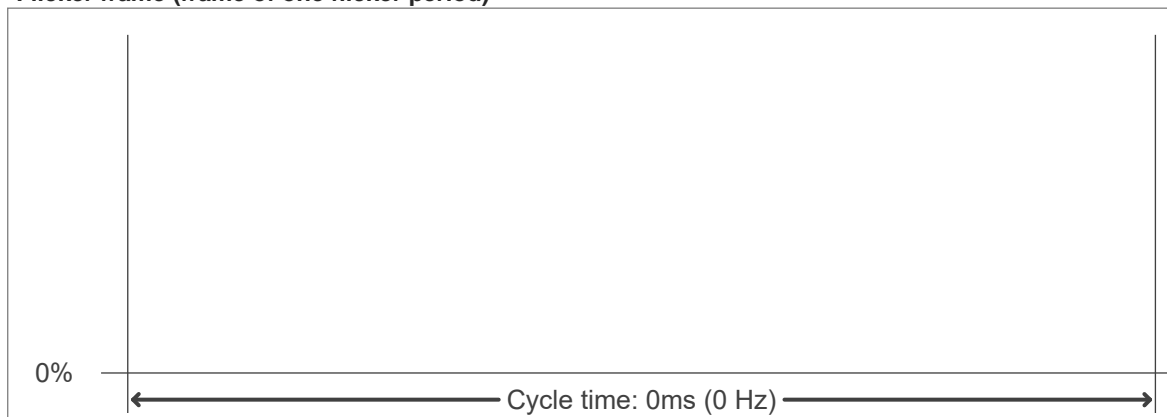
Output change

Output start	Output change	Output end
n/a lm	n/a lm	2957 lm

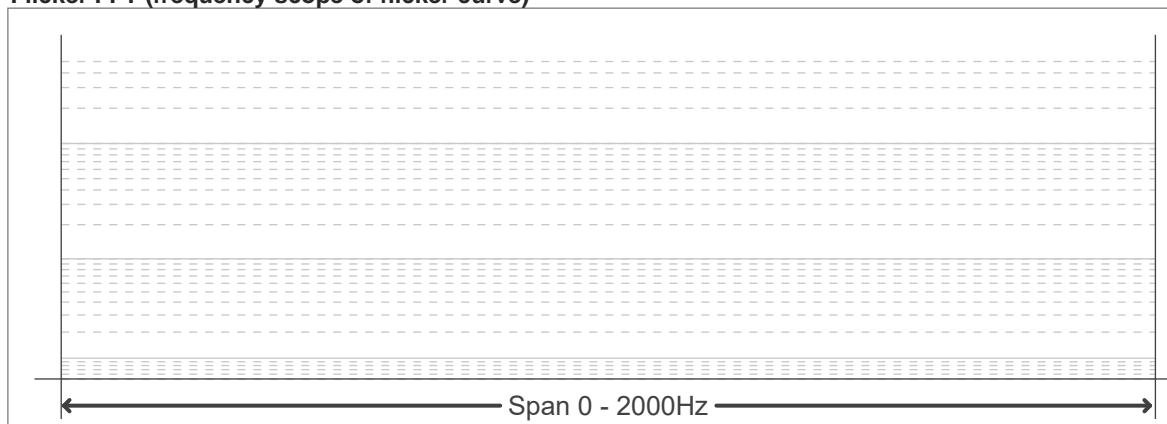
Flicker curve (complete sampled flicker signal)



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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