

Light efficiency:

**114 Lumen/Watt**

Light quality:

**CRI: 93,8**

Color temperature:

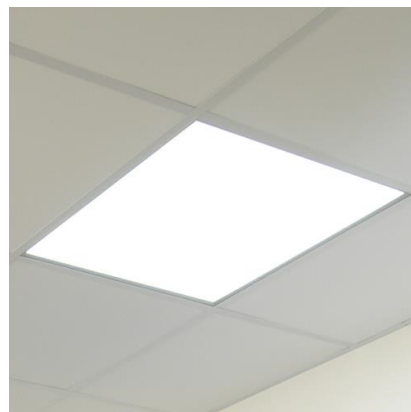
**2947 K**

**Output: 4615 lm**

**Peak: 2182 cd**

**Power: 40,4 W**

**PF: 0,95**



Tracking number: [n/a](#)

Product name:

**Plata CCT Dipswitch 620x620 3000k 40W**

Item number:

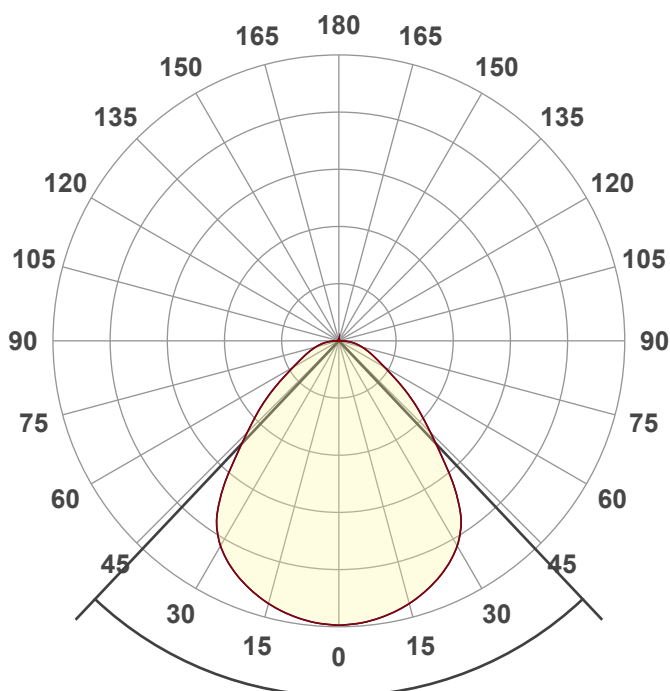
Date and time:

**30-5-2023 12:32:05**

Description:

**PL-6262BL-H-365**

**3.10.0539 Driver 1050mA**



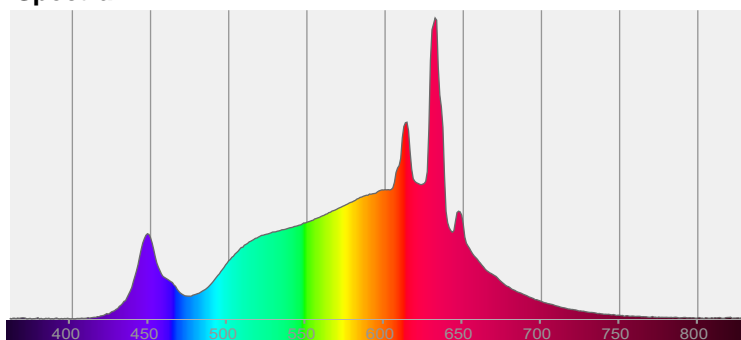
Beam angle

**86,7°**

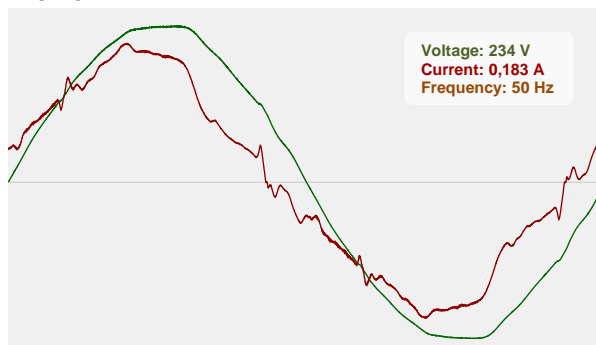


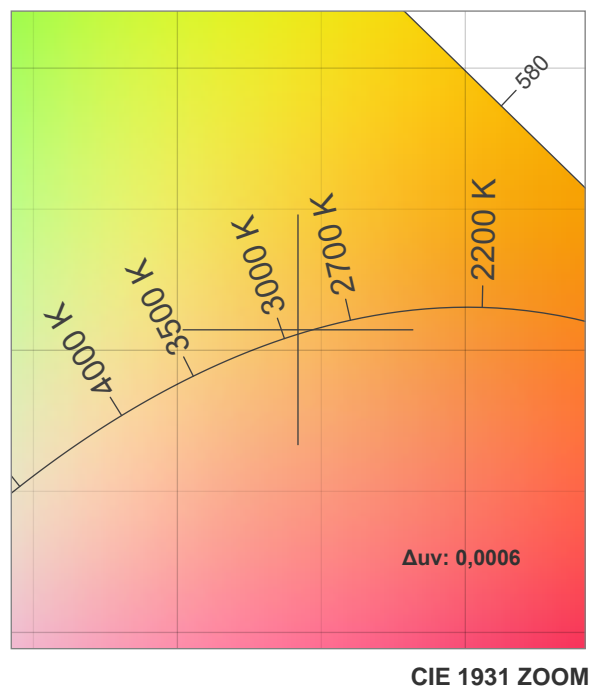
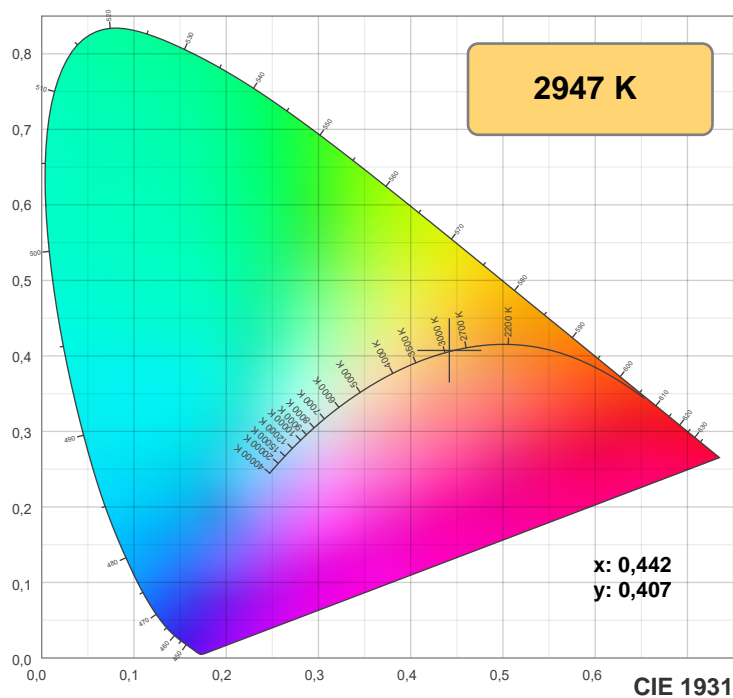
CIE 1931  
x: 0,442  
y: 0,407

Spectra

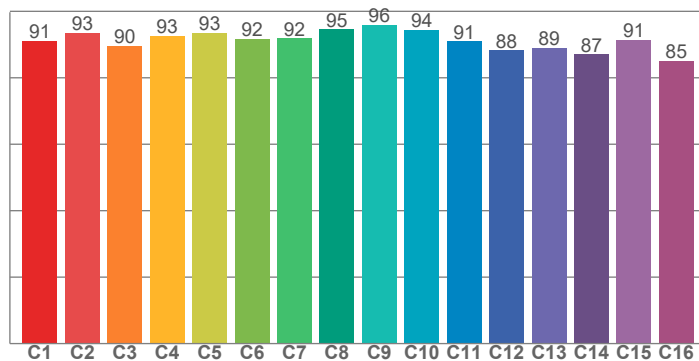


Power

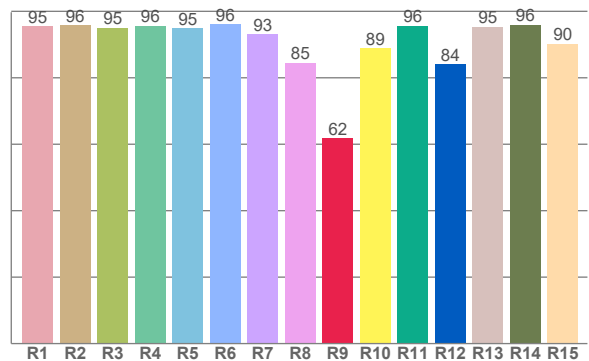




**TM-30: 91,5**



**CRI: 93,8 (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
95,5	95,8	95,0	95,7	94,9	96,2	93,1	84,5	61,9	88,9	95,7	84,1	95,4	96,0	90,3

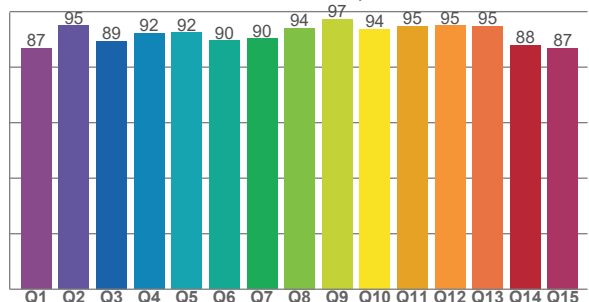
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,1	93,5	89,6	92,7	93,5	91,7	91,9	94,6	95,9	94,4	91,0	88,3	88,9	87,0	91,4	85,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,8	95,0	89,3	92,2	92,5	89,5	90,3	94,1	97,4	93,8	94,8	94,9	94,9	88,0	87,0

**CQS: 91,3**



## 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
2947 K	93,8	61,9	91,5	101,5	91,3	0,442	0,407	0,252	0,349	0,0006

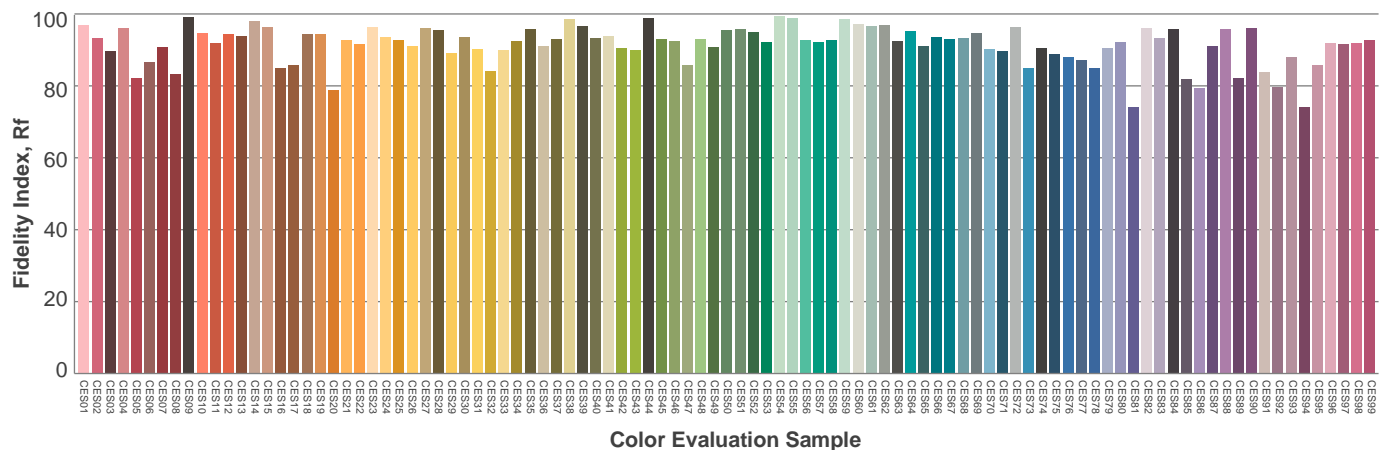
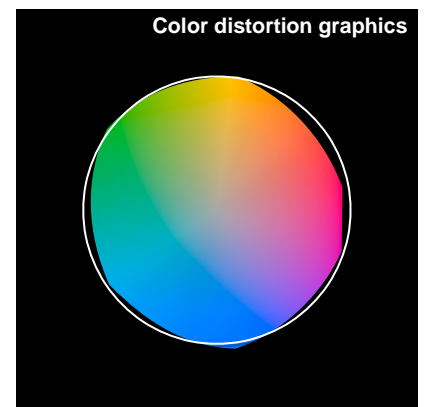
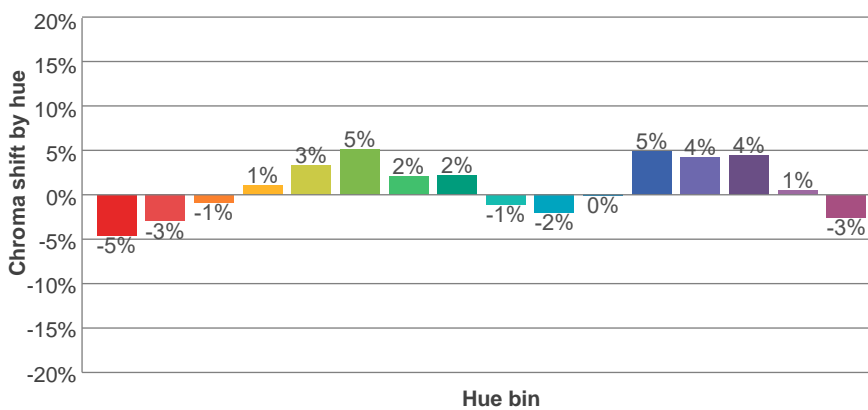
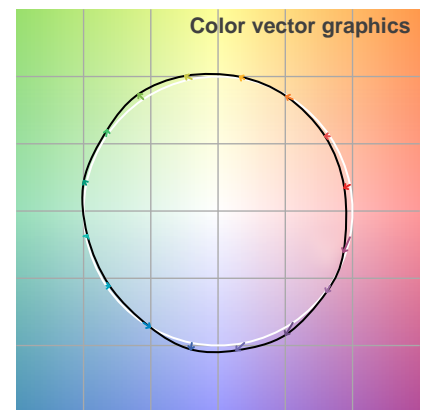
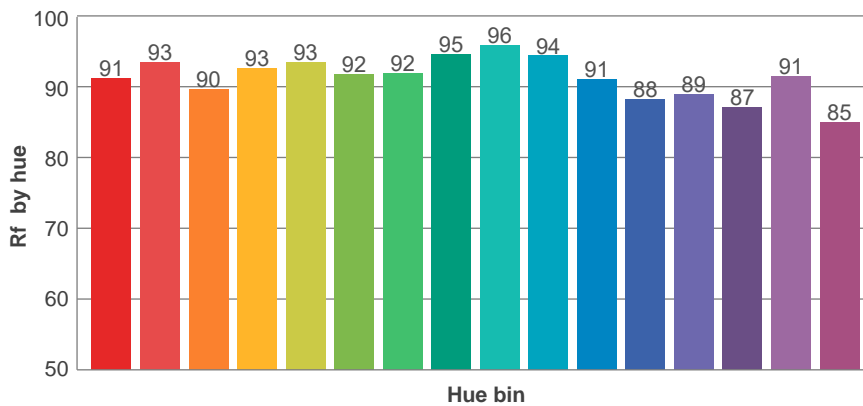
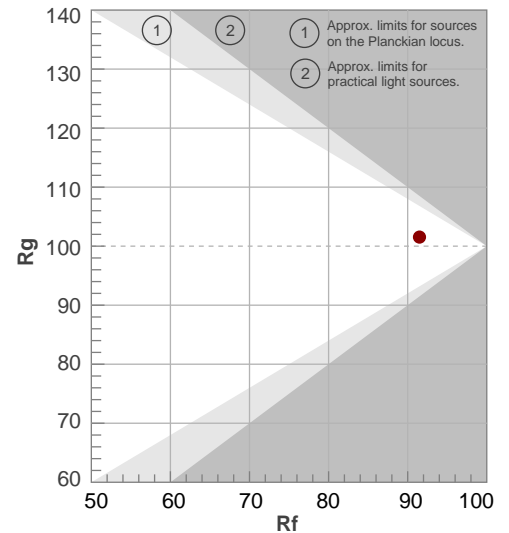
**Rf 91,5**

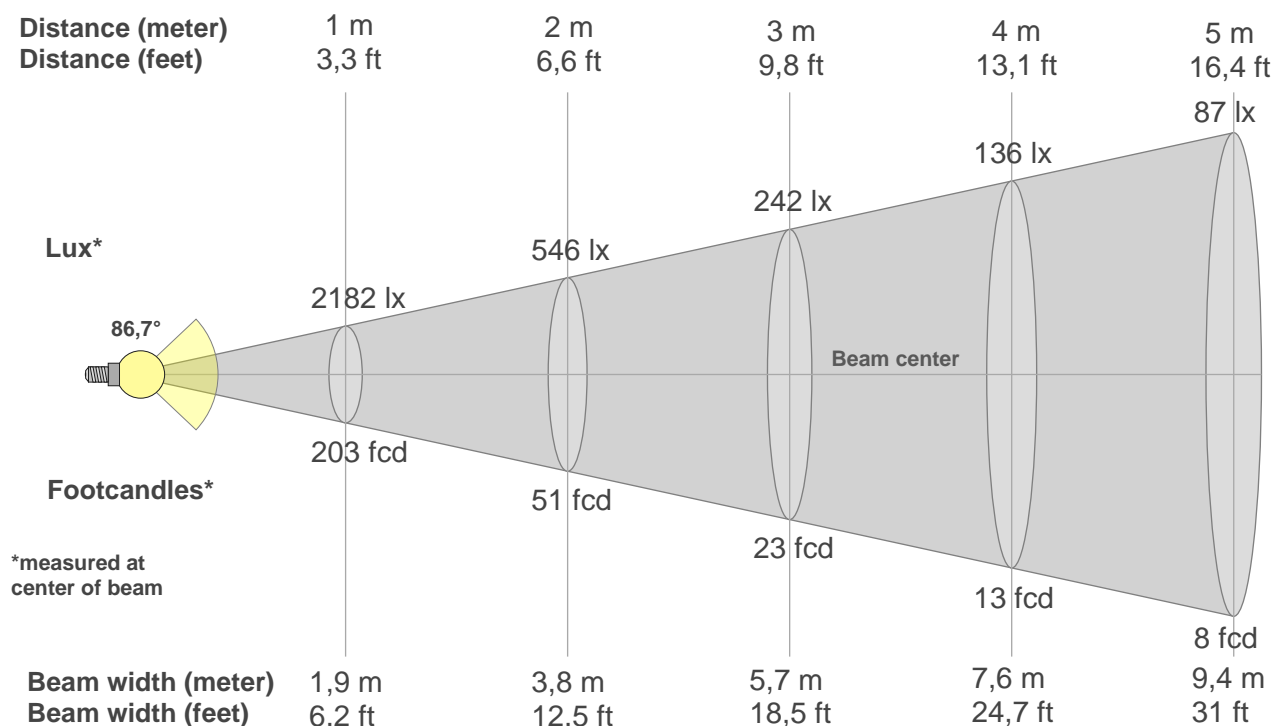
Fidelity index Rf

**Rg 101,5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-5%	-1%
2	93	-3%	2%
3	90	-1%	5%
4	93	1%	4%
5	93	3%	4%
6	92	5%	1%
7	92	2%	-4%
8	95	2%	-3%
9	96	-1%	-2%
10	94	-2%	2%
11	91	0%	6%
12	88	5%	0%
13	89	4%	-7%
14	87	4%	-9%
15	91	1%	-5%
16	85	-3%	-12%





**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
2182lx	546lx	242lx	136lx	87lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx
202,7fc	50,7fcd	22,5fcd	12,7fcd	8,1fcd	5,6fcd	4,1fcd	3,2fcd	2,5fcd	2fcd	1,7fcd	1,4fcd	1,2fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd

**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°
2182	2170	2137	2088	2020	1932	1814	1628	1311	1000	771	569	409	309	242	184	134	77	21	7
100%	99%	98%	96%	93%	89%	83%	75%	60%	46%	35%	26%	19%	14%	11%	8%	6%	4%	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°
2182	2170	2137	2088	2020	1932	1814	1628	1311	1000	771	569	409	309	242	184	134	77	21	7
100%	99%	98%	96%	93%	89%	83%	75%	60%	46%	35%	26%	19%	14%	11%	8%	6%	4%	1%	0%

**Intensities in 180° c-plane**

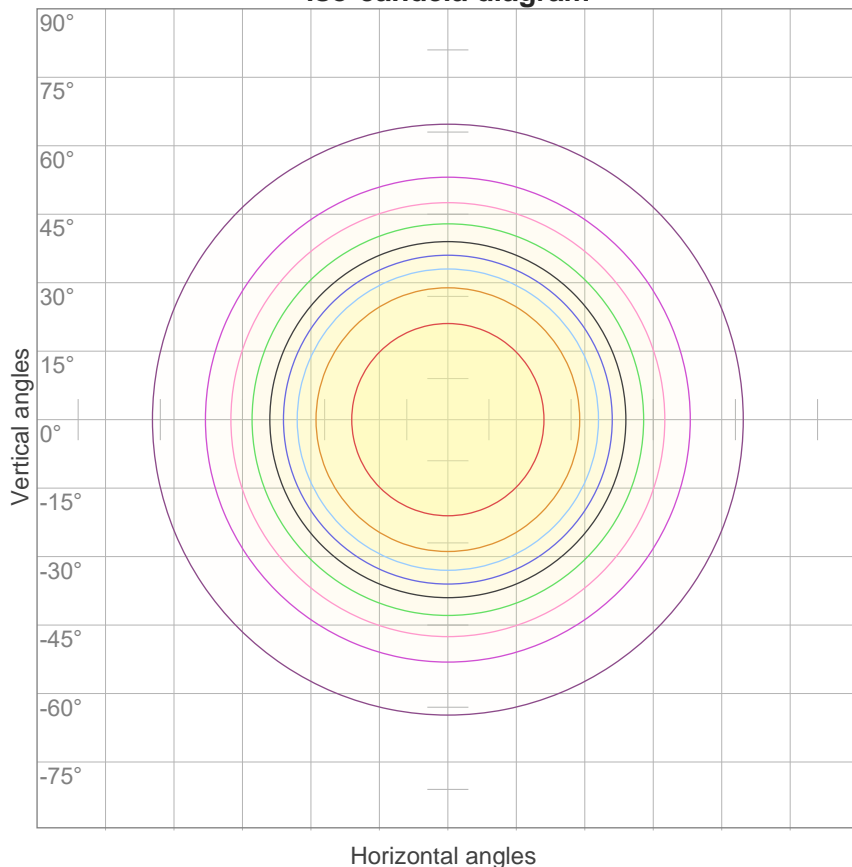
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2182	2170	2137	2088	2020	1932	1814	1628	1311	1000	771	569	409	309	242	184	134	77	21	7
100%	99%	98%	96%	93%	89%	83%	75%	60%	46%	35%	26%	19%	14%	11%	8%	6%	4%	1%	0%

**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°
2182	2170	2137	2088	2020	1932	1814	1628	1311	1000	771	569	409	309	242	184	134	77	21	7
100%	99%	98%	96%	93%	89%	83%	75%	60%	46%	35%	26%	19%	14%	11%	8%	6%	4%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,7°	143,8°	173,4°	86,1%	67,3%

**iso-candela diagram**



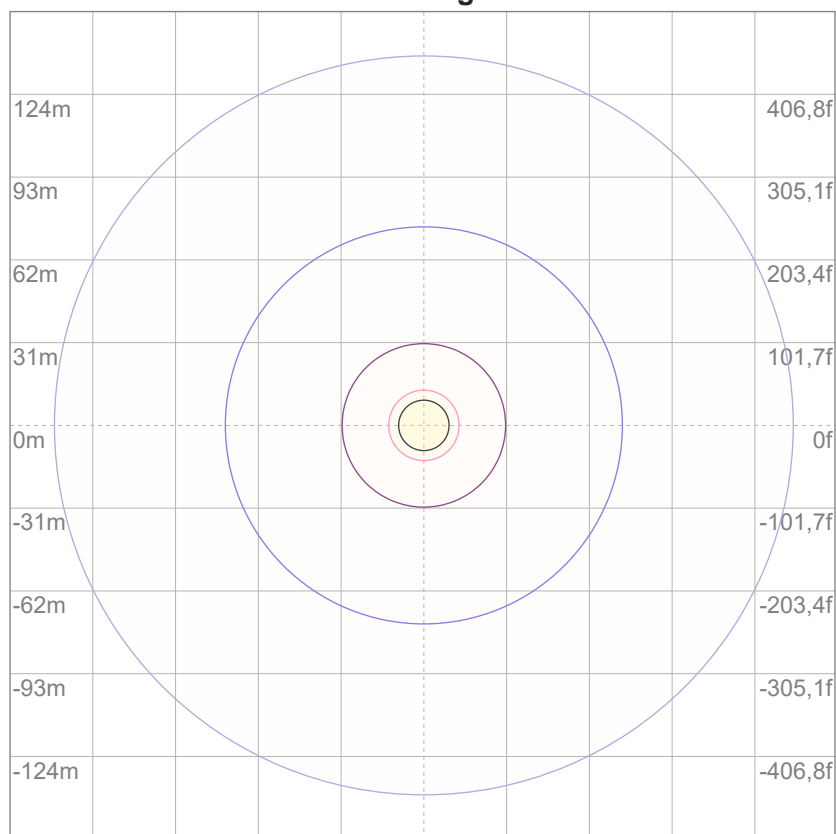
10%	218 cd
20%	436 cd
30%	655 cd
40%	873 cd
50%	1091 cd
60%	1309 cd
70%	1527 cd
80%	1746 cd
90%	1964 cd

Conditions:

Number of c-planes: 8

Candela at center: 2182 cd

**iso-lux diagram**



3%	0,655 lx
5%	1,09 lx
10%	2,18 lx
30%	6,55 lx
50%	10,9 lx

Conditions:

Number of c-planes: 8

Lux at center: 21,8 lx

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

**Glare evaluation according to UGR**

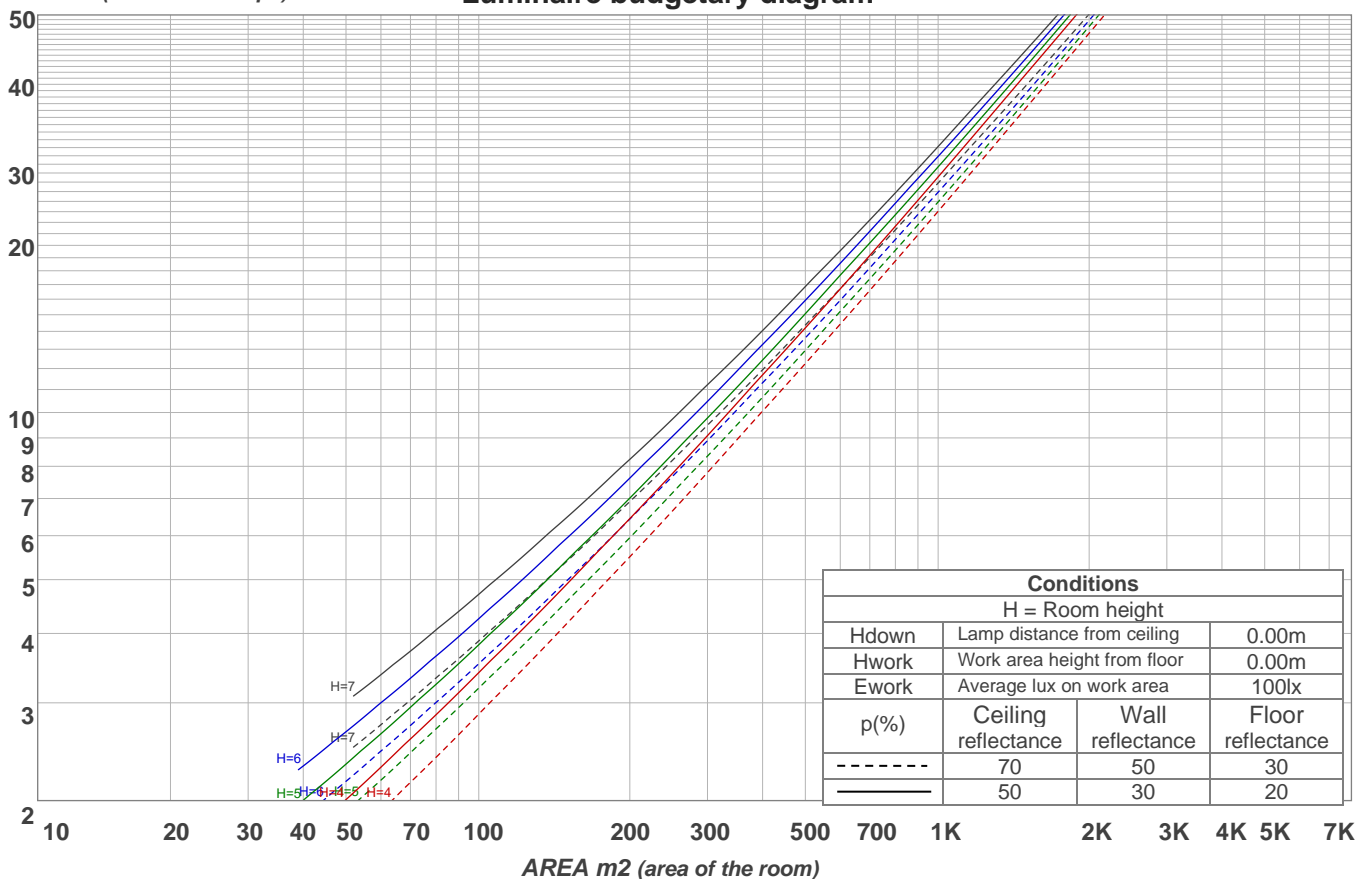
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X      Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15,9	17,0	16,2	17,3	17,5	15,9	17,0	16,2	17,3	17,5
	3H	16,7	17,8	17,1	18,1	18,3	16,7	17,8	17,1	18,1	18,3
	4H	17,2	18,2	17,6	18,5	18,8	17,2	18,2	17,6	18,5	18,8
	6H	17,8	18,7	18,1	19,0	19,4	17,8	18,7	18,1	19,0	19,4
	8H	18,0	18,9	18,3	19,2	19,6	18,0	18,9	18,3	19,2	19,6
	12H	18,2	19,0	18,5	19,4	19,8	18,2	19,0	18,5	19,4	19,8
4H	2H	16,2	17,2	16,6	17,5	17,8	16,2	17,2	16,6	17,5	17,8
	3H	17,4	18,2	17,7	18,6	19,0	17,4	18,2	17,7	18,6	19,0
	4H	17,9	18,7	18,4	19,1	19,7	17,9	18,7	18,4	19,1	19,7
	6H	18,6	19,4	19,1	19,7	20,1	18,6	19,4	19,1	19,7	20,1
	8H	18,9	19,6	19,4	20,0	20,4	18,9	19,6	19,4	20,0	20,4
	12H	19,2	19,7	19,7	20,2	20,7	19,2	19,7	19,7	20,2	20,7
8H	4H	18,2	18,9	18,7	19,3	19,7	18,2	18,9	18,7	19,3	19,7
	6H	19,1	19,6	19,6	20,1	20,6	19,1	19,6	19,6	20,1	20,6
	8H	19,5	20,0	20,1	20,5	21,2	19,5	20,0	20,1	20,5	21,2
	12H	19,9	20,3	20,5	20,8	21,4	19,9	20,3	20,5	20,8	21,4
12H	4H	18,2	18,8	18,7	19,2	19,7	18,2	18,8	18,7	19,2	19,7
	6H	19,2	19,6	19,7	20,2	20,8	19,2	19,6	19,7	20,2	20,8
	8H	19,7	20,0	20,3	20,6	21,2	19,7	20,0	20,3	20,6	21,2
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,2					0,1 / -0,2				
S = 1.5H		0,4 / -0,5					0,4 / -0,5				
S = 2.0H		0,9 / -0,8					0,9 / -0,8				
CIE 117-1995. Corrected glare indices referring to 4615 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	98	107	103	100	97	99	96	94	95	93	91	91	89	88	86
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	67	63	59	57
5	80	69	61	55	78	68	60	54	65	59	54	63	57	53	61	56	52	50
6	75	63	54	49	73	62	54	48	60	53	48	58	52	47	56	51	47	45
7	70	57	49	44	68	56	49	43	55	48	43	53	47	43	52	46	42	40
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33
10	57	45	38	33	56	45	37	33	43	37	32	43	37	32	42	36	32	30

LAMPS (number of lamps)

### Luminaire budgetary diagram



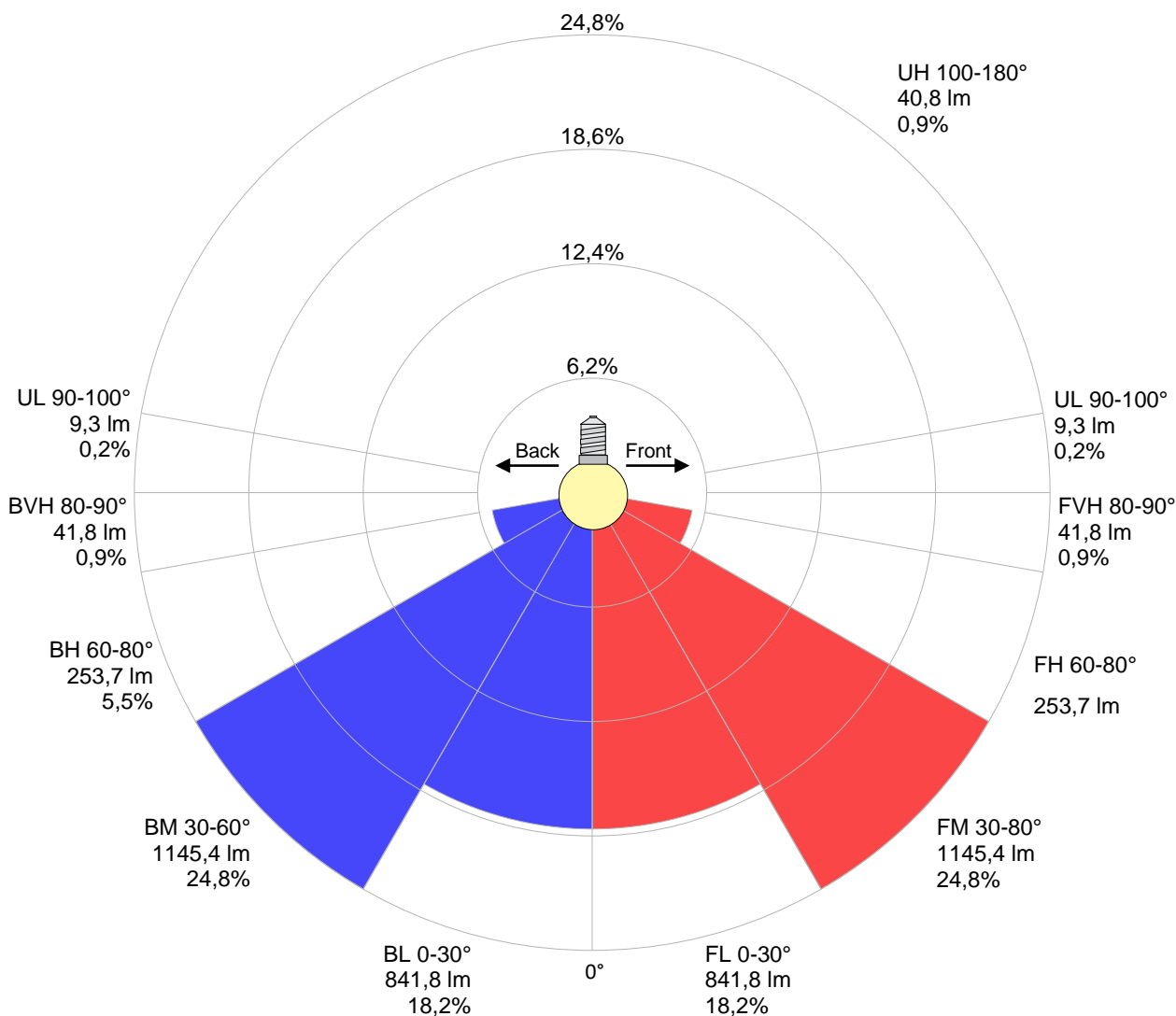
### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
{LUM0-10}	589 lm	889 lm	1005 lm	772 lm	514 lm	312 lm	194 lm	84,0 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
8,78 lm	7,01 lm	7,01 lm	7,13 lm	6,21 lm	5,17 lm	4,44 lm	2,81 lm	0,980 lm

LCS table

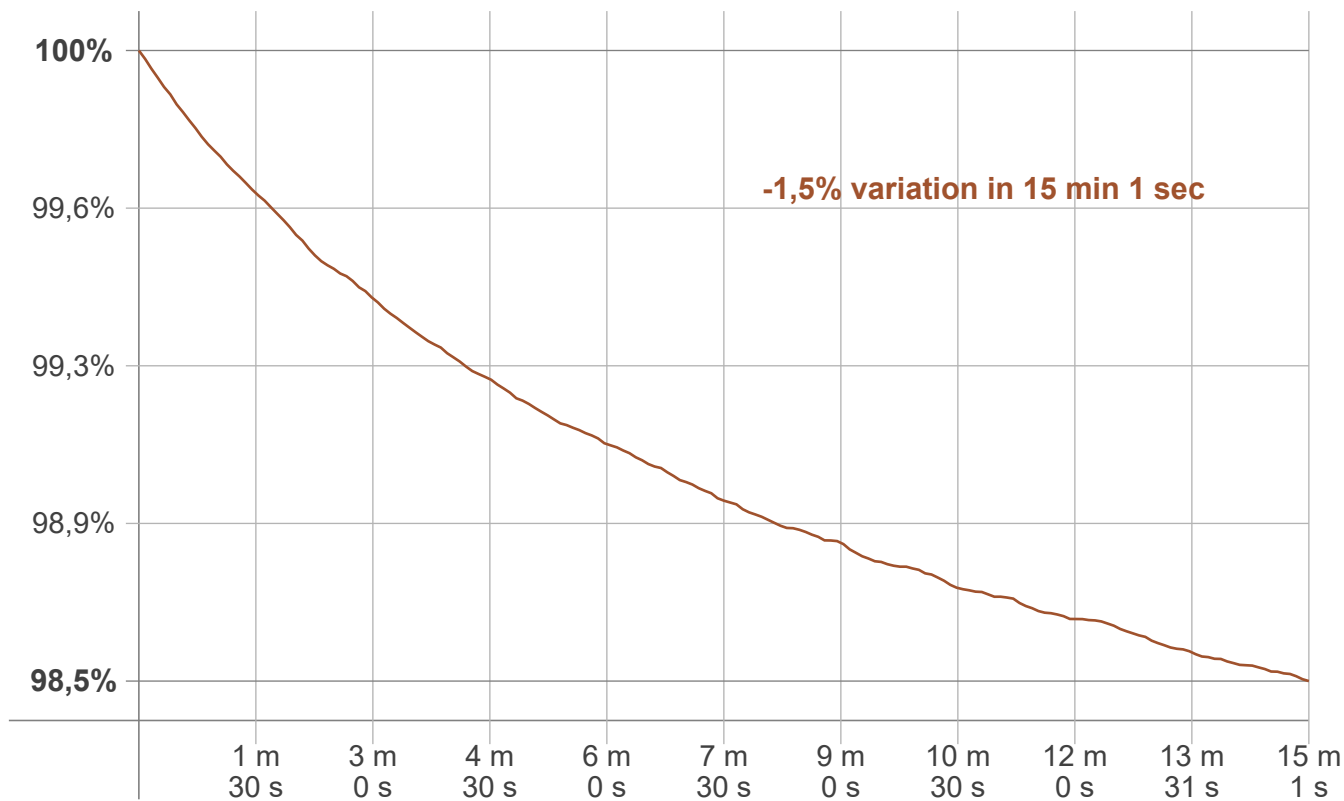
BUG rating:	B2 U2 G1	
Forward light	Lumens	Lumens %
Low(0-30):	841,8	18,2%
Medium(30-60):	1145,4	24,8%
High(60-80):	253,7	5,5%
Very high(80-90):	41,8	0,9%
Back light		
Low(0-30):	841,8	18,2%
Medium(30-60):	1145,4	24,8%
High(60-80):	253,7	5,5%
Very high(80-90):	41,8	0,9%
Uplight		
Low(90-100):	9,3	0,2%
High(100-180):	40,8	0,9%

LCS graph





### Warmup curve



### Warmup result

Warmup time:	Lamp stabilized in 15 min 1 sec
Warmup variation	-1,5%

### Warmup conditions

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

### Color temperature change

CCT start	CCT change	CCT end
2953 K	-6 K	2947 K

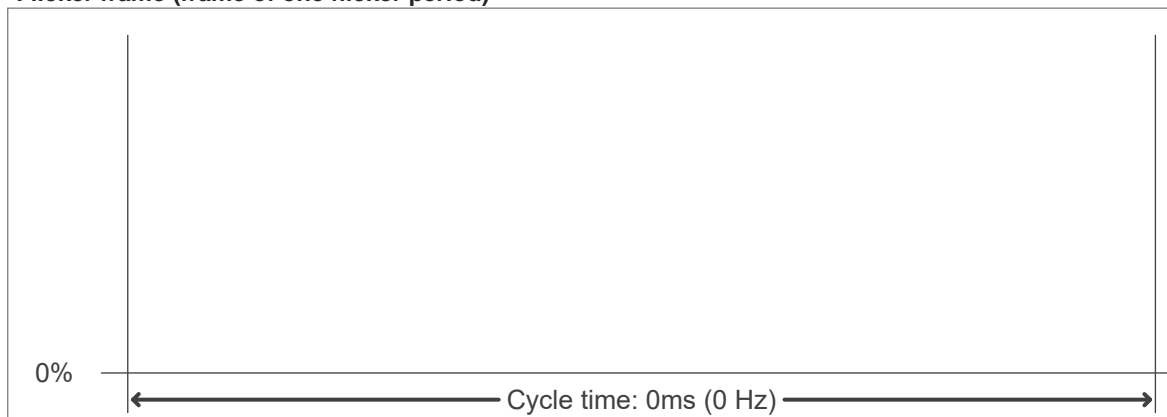
### Output change

Output start	Output change	Output end
4682 lm	-66 lm	4615 lm

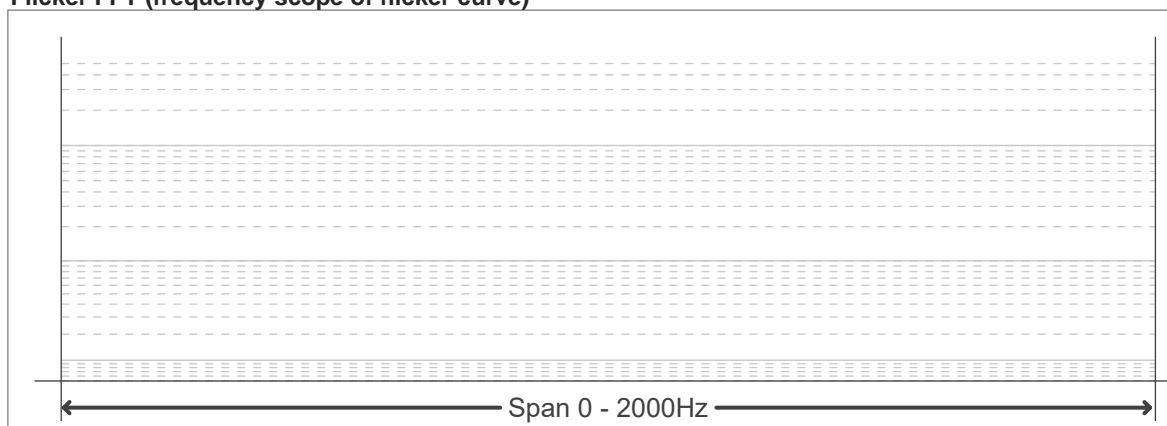
**Flicker curve (complete sampled flicker signal)**



**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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