

Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 97.6

Color temperature:

3009 K

Output: 1109 lm

Peak: 644 cd

Power: 21.4 W

PF: 1.0

No photo

Tracking number: [n/a](#)

Product name:

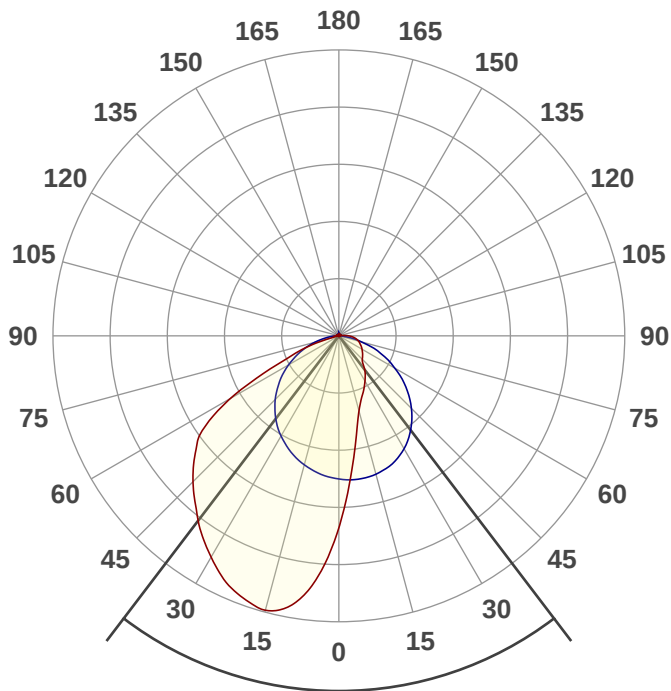
TR0885_WD

Item number:

Date and time:

4/19/2022 10:04:10 AM

Description:



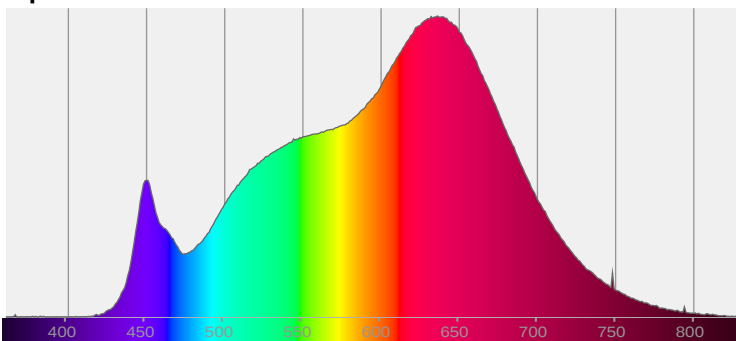
Beam angle

74.6°

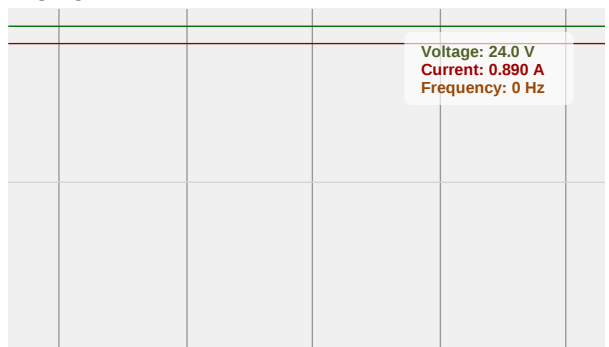


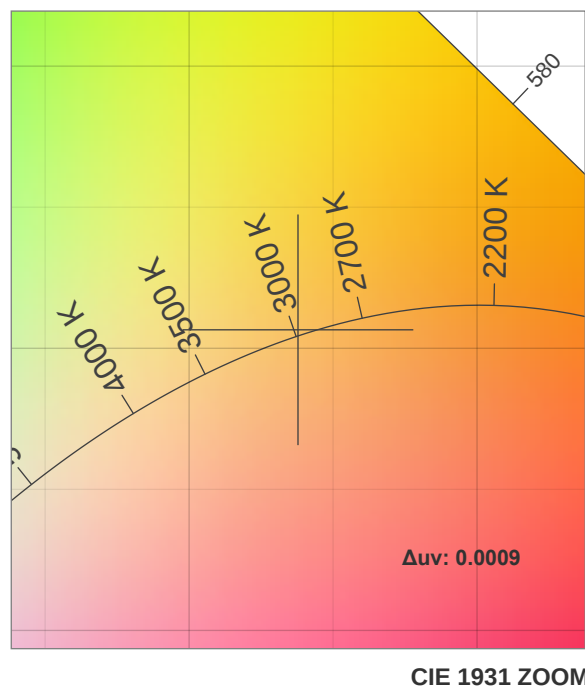
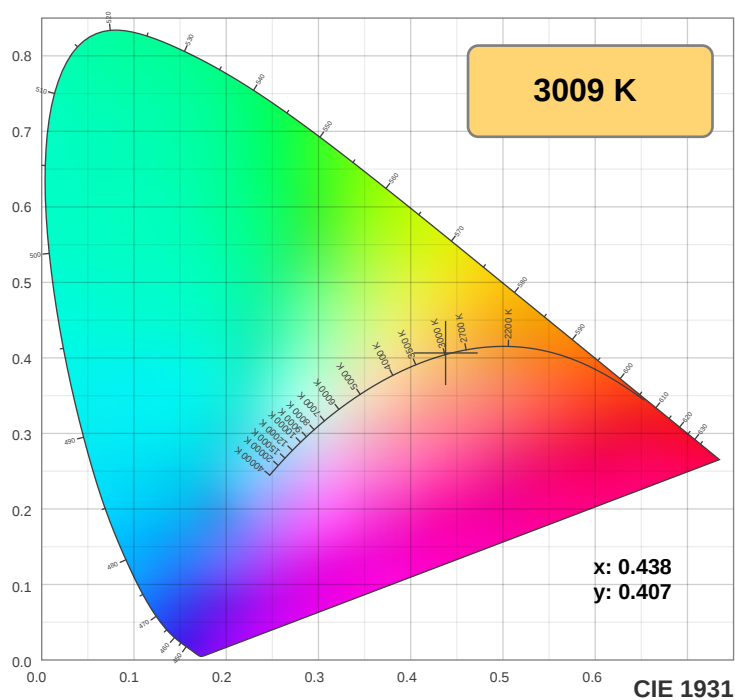
CIE 1931
x: 0.438
y: 0.407

Spectra

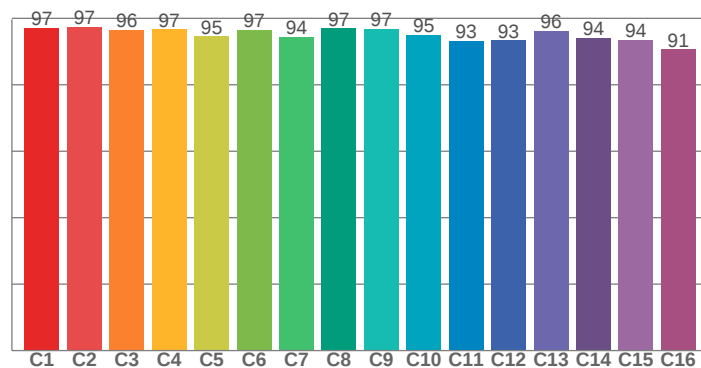


Power

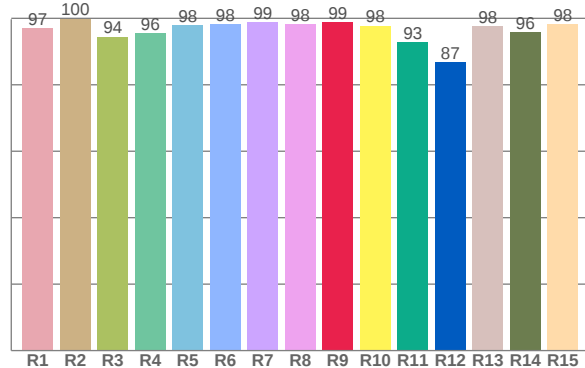




TM30: 95.4



CRI: 97.6 (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
97.1	99.9	94.5	95.6	98.0	98.3	98.9	98.3	98.8	97.8	92.7	86.8	97.7	95.8	98.2

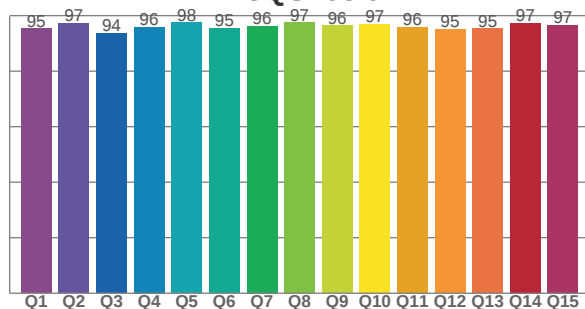
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.1	97.3	96.5	96.6	94.6	96.5	94.4	97.0	96.8	94.9	93.2	93.4	96.3	94.1	93.6	90.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95.3	97.2	93.6	96.0	97.5	95.4	96.3	97.4	96.4	96.9	95.8	95.1	95.4	97.3	96.6

CQS: 95.9



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
3009 K	97.6	98.8	95.4	101.6	95.9	0.438	0.407	0.250	0.348	0.0009

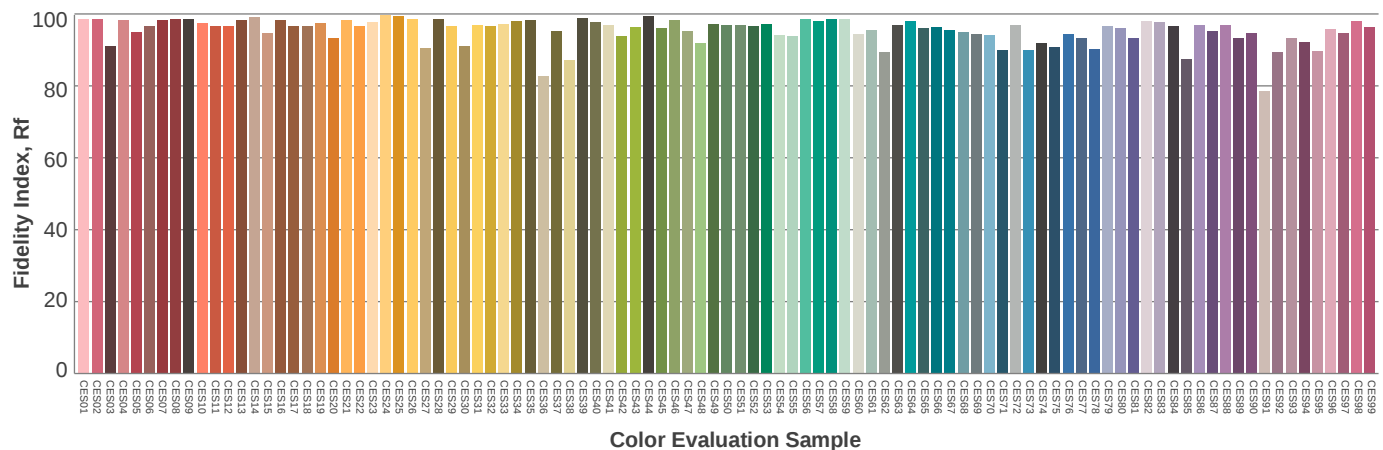
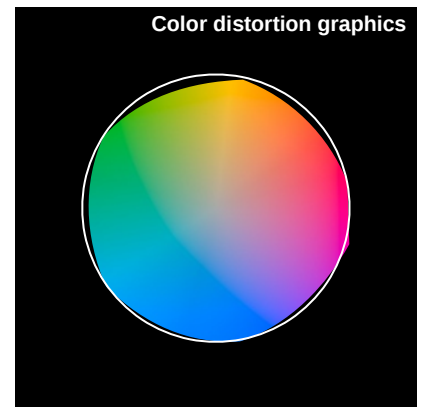
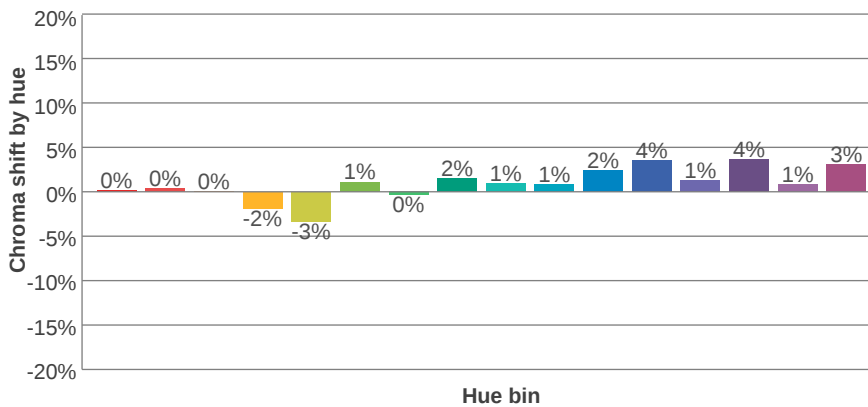
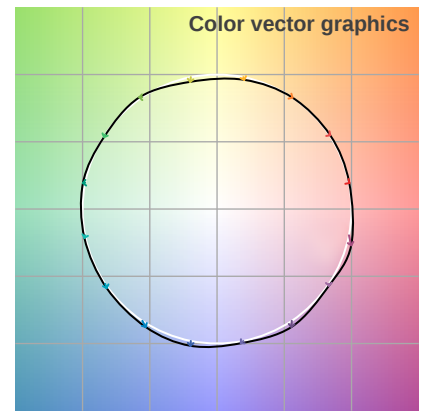
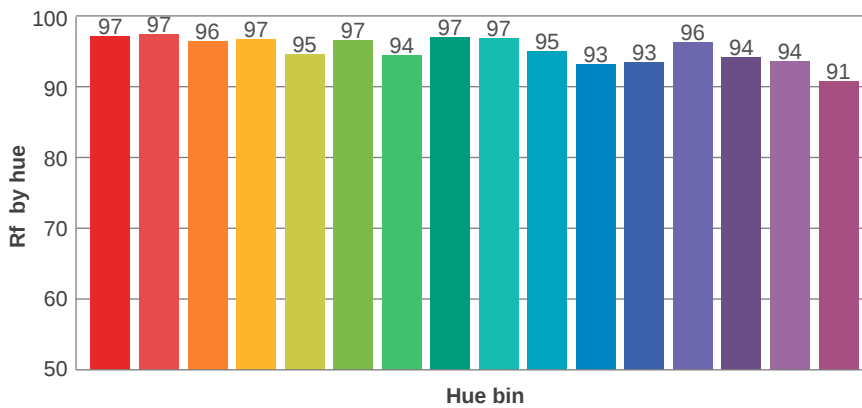
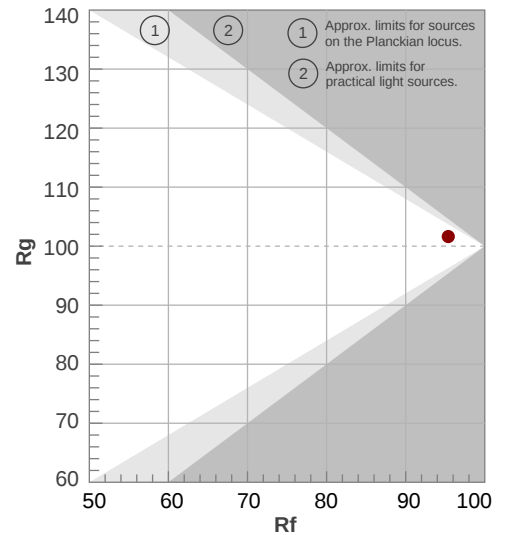
Rf 95.4

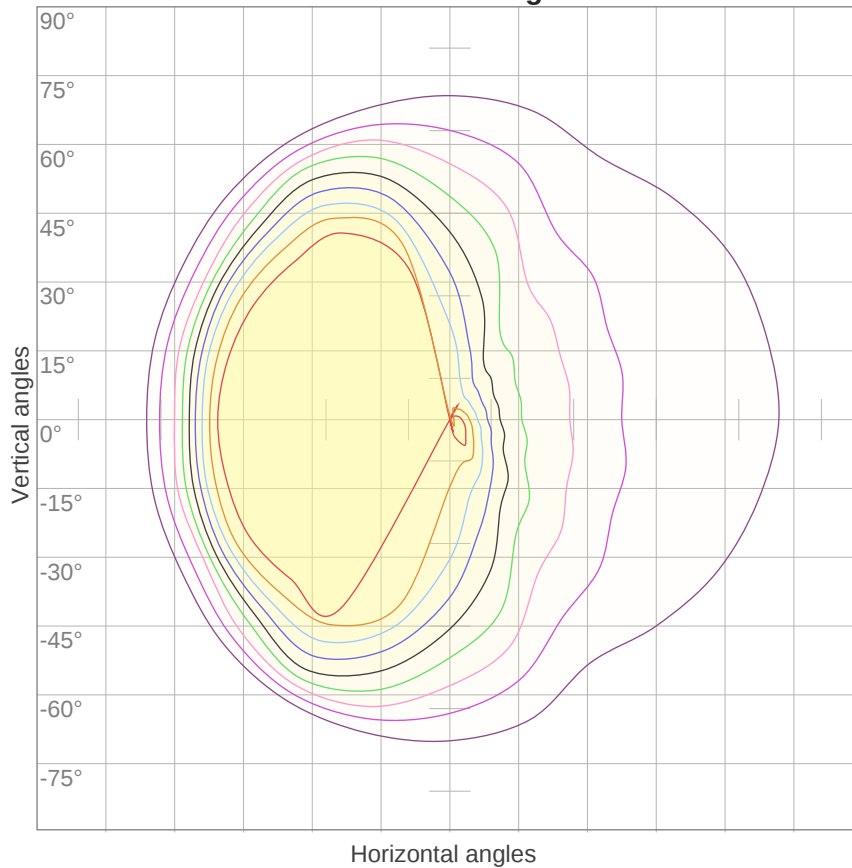
Fidelity index Rf

Rg 101.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	97	0%	-1%
3	96	0%	-1%
4	97	-2%	-1%
5	95	-3%	1%
6	97	1%	2%
7	94	0%	2%
8	97	2%	1%
9	97	1%	2%
10	95	1%	3%
11	93	2%	5%
12	93	4%	0%
13	96	1%	-2%
14	94	4%	-3%
15	94	1%	-1%
16	91	3%	-7%



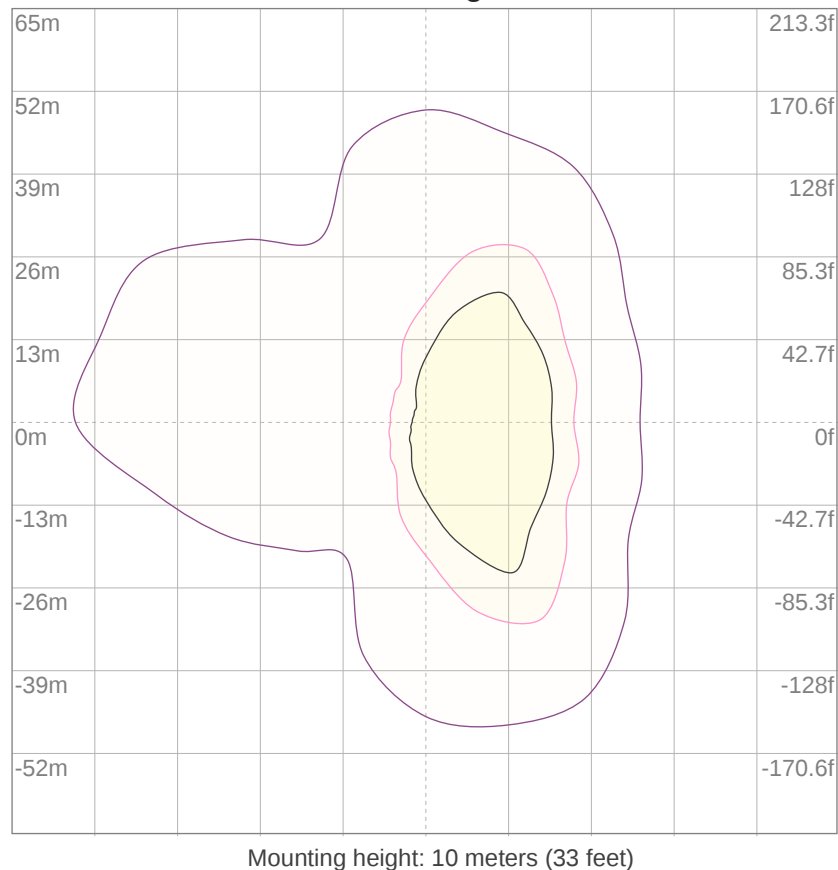
ISO candela diagram


10%	40 cd
20%	81 cd
30%	121 cd
40%	162 cd
50%	202 cd
60%	242 cd
70%	283 cd
80%	323 cd
90%	364 cd

Conditions:

Number of c-planes: 12

Candela at center: 404 cd

ISO lux diagram


3%	0.121 lx
5%	0.202 lx
10%	0.404 lx
30%	1.21 lx
50%	2.02 lx

Conditions:

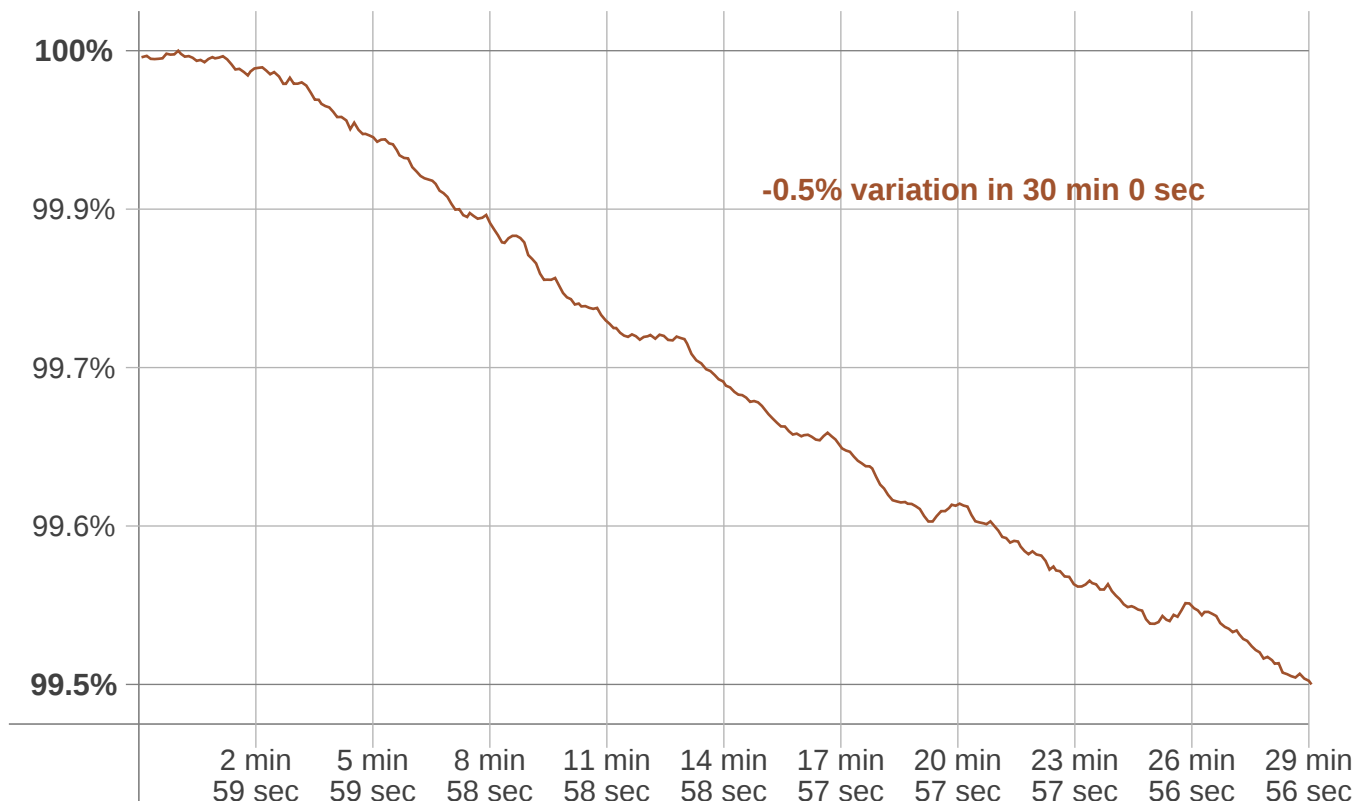
Number of c-planes: 12

Lux at center: 4.04 lx

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

Stabilization

Warmup curve



Warmup result

Warmup time:	30 min 0 sec
Warmup variation	-0.5%

Warmup conditions

Stable period:	15 min
Stable change max:	0.5%
Minimum time:	30 min

Color temperature change

CCT start	CCT change	CCT end
3016 K	-7 K	3009 K

Output change

Output start	Output change	Output end
1114 lm	-4 lm	1109 lm