

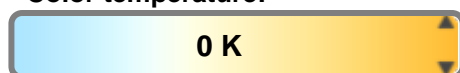
#### Light efficiency:



#### Light quality:



#### Color temperature:

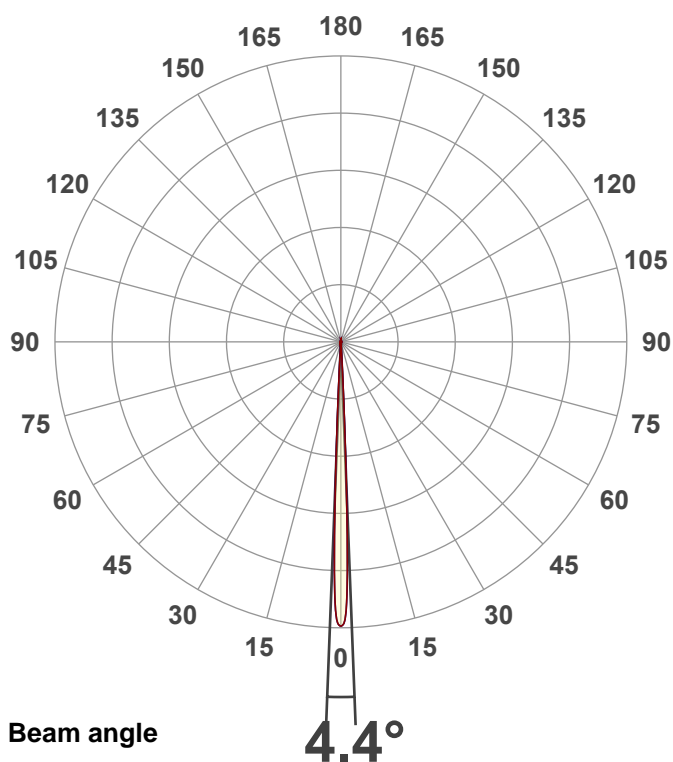


**Output:** 5706 lm  
**Peak:** 109544 cd  
**Power:** 447 W  
**PF:** 1.0



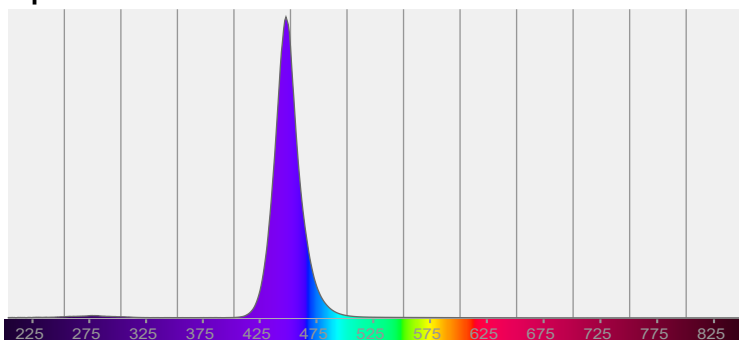
**Product name:**  
**Hydro Flex L19 (Zoom In Blue)**  
**Item number:**

**Date and time:**  
**9/6/2025 10:33:07 AM**

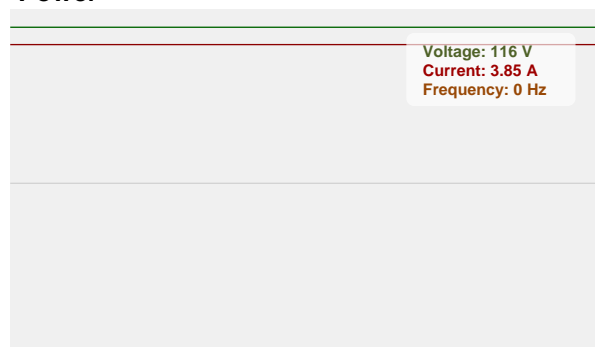


**CIE 1931**  
**x: 0.157**  
**y: 0.024**

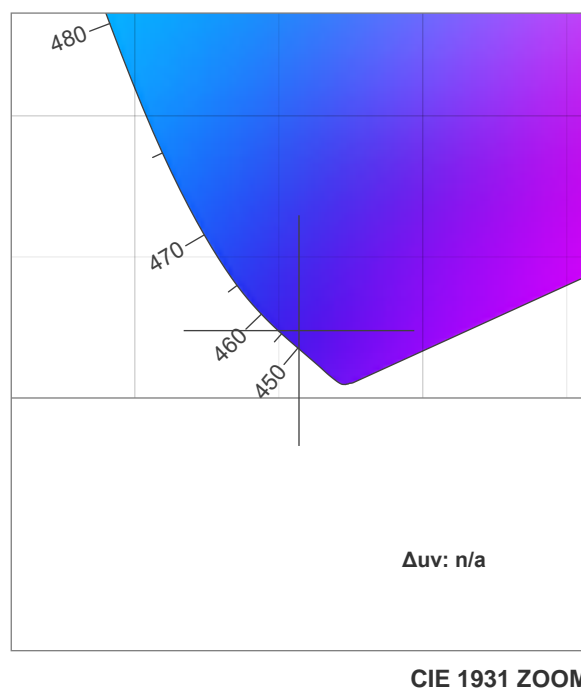
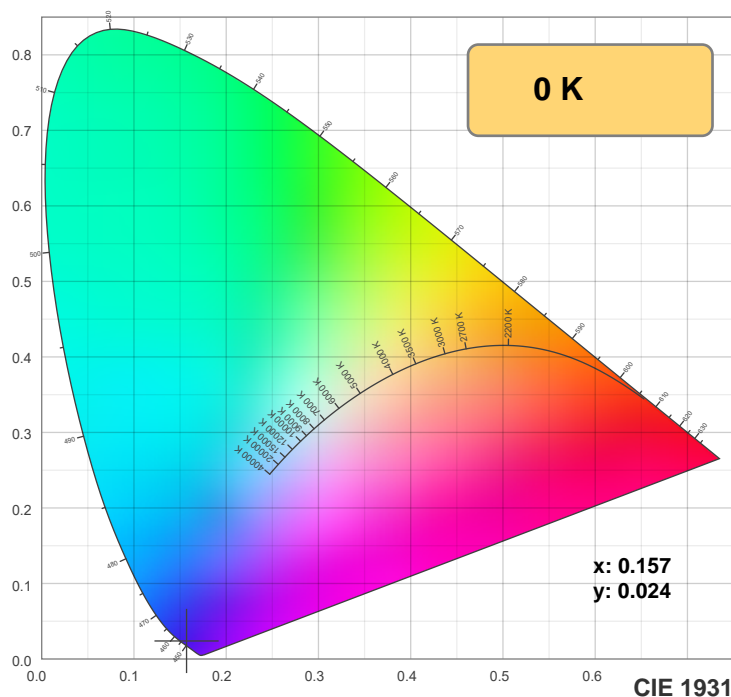
#### Spectra



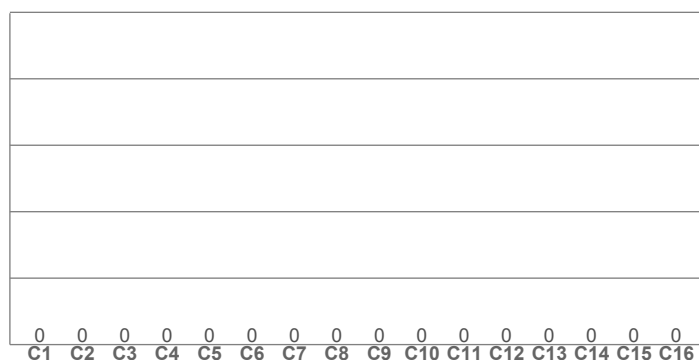
#### Power



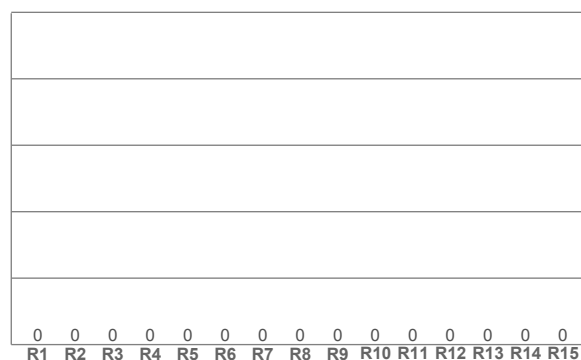
## Color details



**TM-30: 0.0**



**CRI: 0.0 (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
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

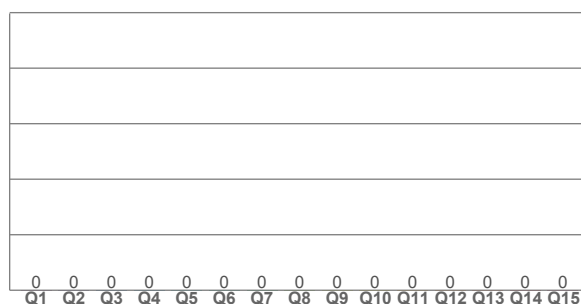
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**CQS: 0.0**



### 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
0 K	0.0	0.0	0.0	0.0	0.0	0.157	0.024	0.211	0.048	n/a

# TM-30 details

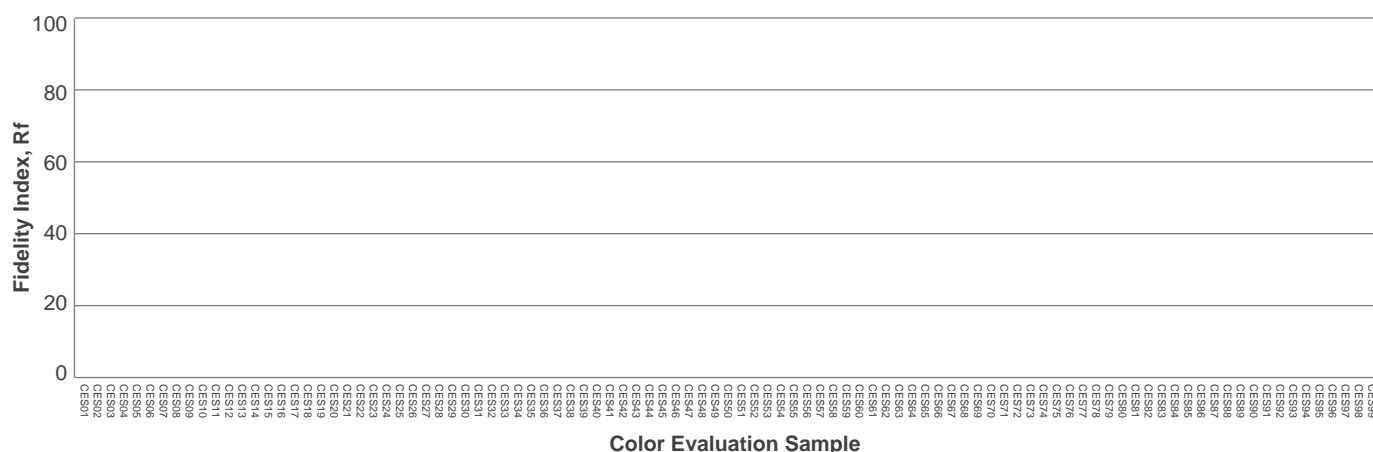
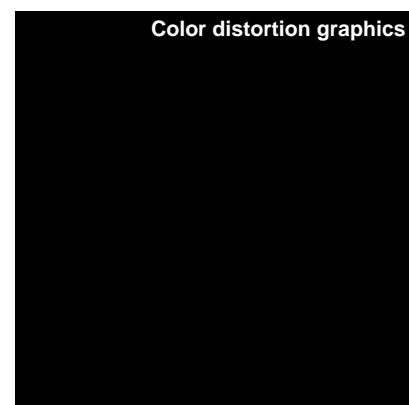
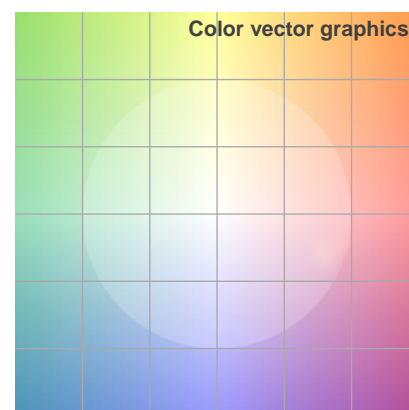
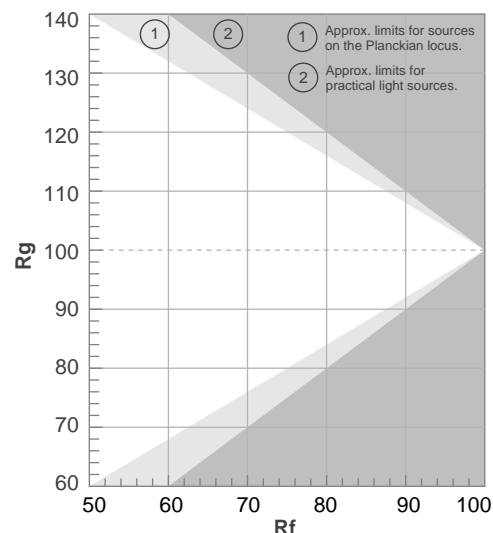
**Rf 0.0**

Fidelity index Rf

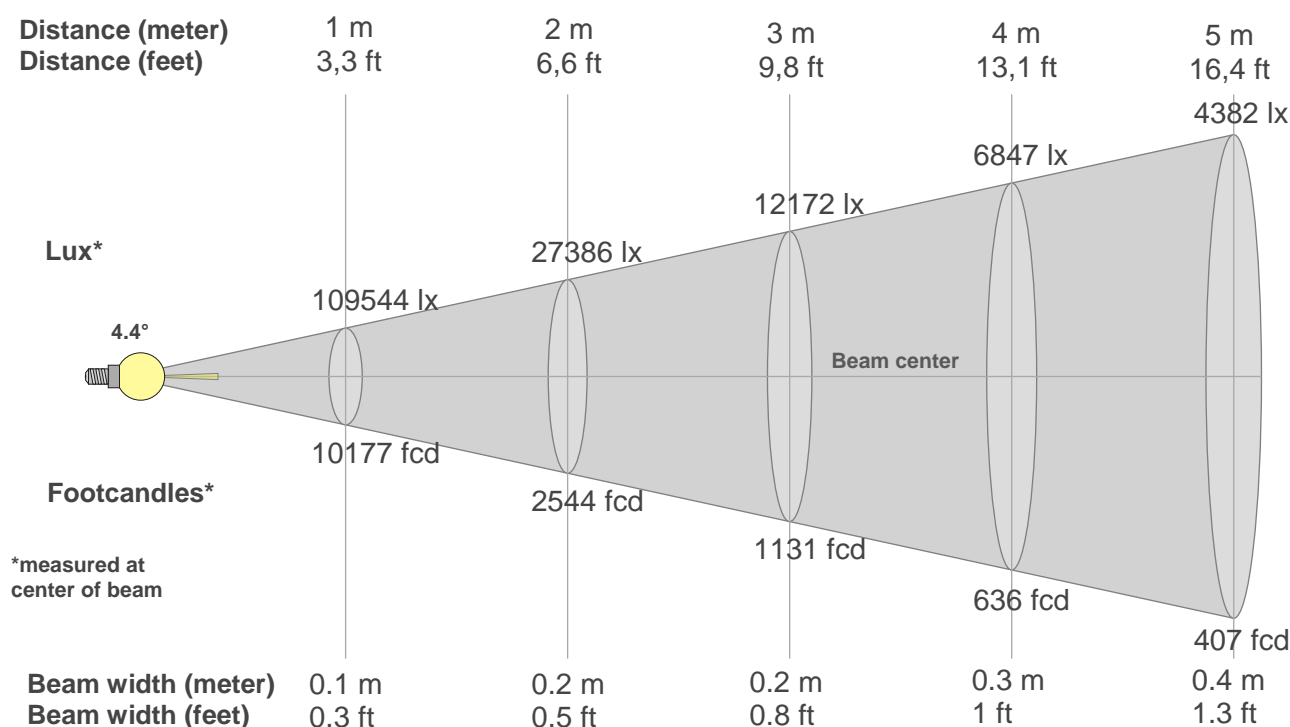
**Rg 0.0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



## 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
109544lx	27386lx	12172lx	6847lx	4382lx	3043lx	2236lx	1712lx	1352lx	1095lx	905lx	761lx	648lx	559lx	487lx	428lx	379lx	338lx	303lx	274lx
10177fcd	2544.2fcd	1130.8fcd	636.1fcd	407.1fcd	282.7fcd	207.7fcd	159fcd	125.6fcd	101.8fcd	84.1fcd	70.7fcd	60.2fcd	51.9fcd	45.2fcd	39.8fcd	35.2fcd	31.4fcd	28.2fcd	25.4fcd

### 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°
110k	105k	67k	15k	1k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k
100%	96%	61%	14%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

### 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°
110k	105k	67k	15k	1k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k
100%	96%	61%	14%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

### 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°
110k	105k	67k	15k	1k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k
100%	96%	61%	14%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

### Intensities in 270° c-plane

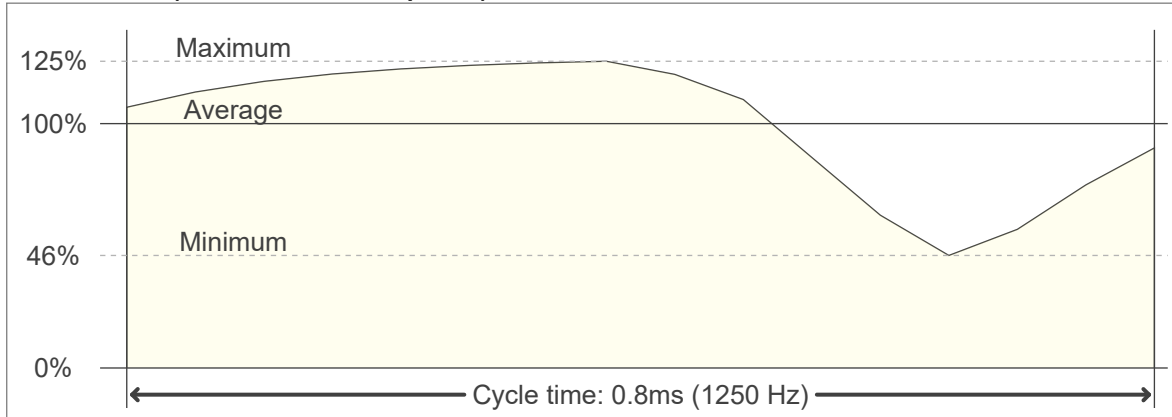
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
110k	105k	67k	15k	1k	1k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k	0k
100%	96%	61%	14%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4.4°	6.3°	7.4°	32.8%	23.5%

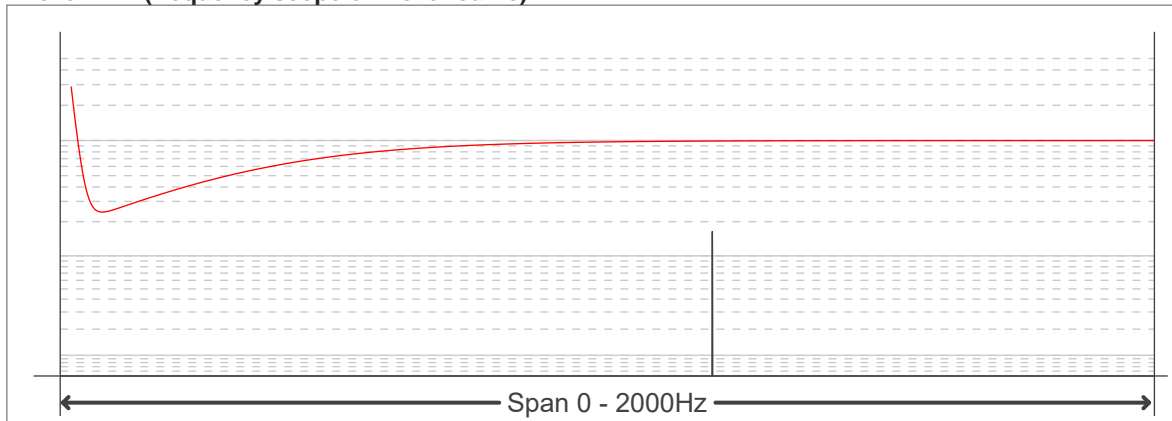
**Flicker curve (complete sampled flicker signal)**



**Flicker frame (frame of one flicker period)**



**Flicker FFT (frequency scope of flicker curve)**



**Flicker results:**

Flicker frequency:		1250 Hz	
Flicker index:	0.11	JA8/10 40Hz	0.21 %
Flicker percentage:	47.1 %	JA8/10 90Hz	0.3 %
SVM: (Visual flicker)	0.33	JA8/10 200Hz	0.52 %
PstLM	0	JA8/10 400Hz	0.93 %
Mp	0.06	JA8/10 1000Hz	3.06 %

**Flicker conditions:**

Sample rate:	20000 samples/second
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