

Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 9770 lm

Peak: 235883 cd

Power: 200 W

PF: 1.0



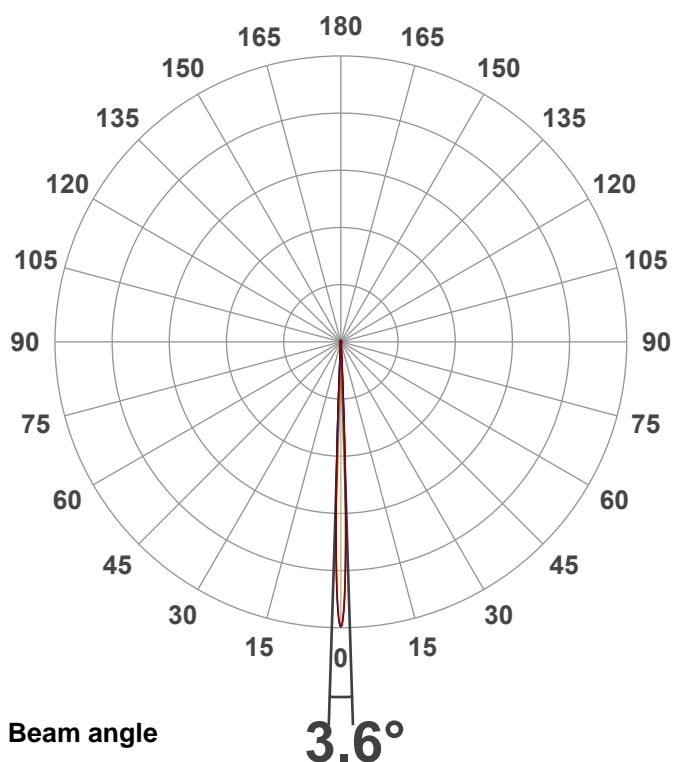
Product name:

Hydro Flex L7 (Zoom In Green)

Item number:

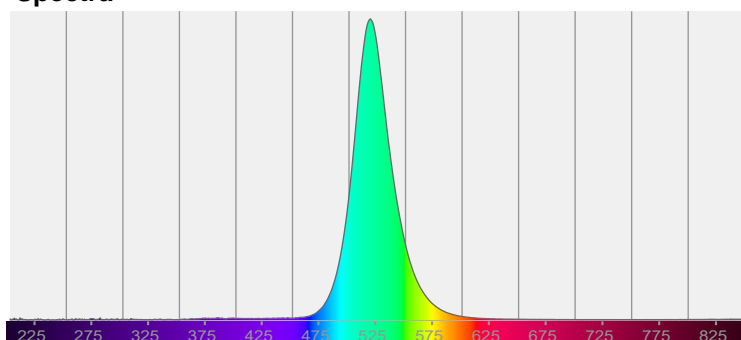
Date and time:

8/22/2025 2:11:28 PM



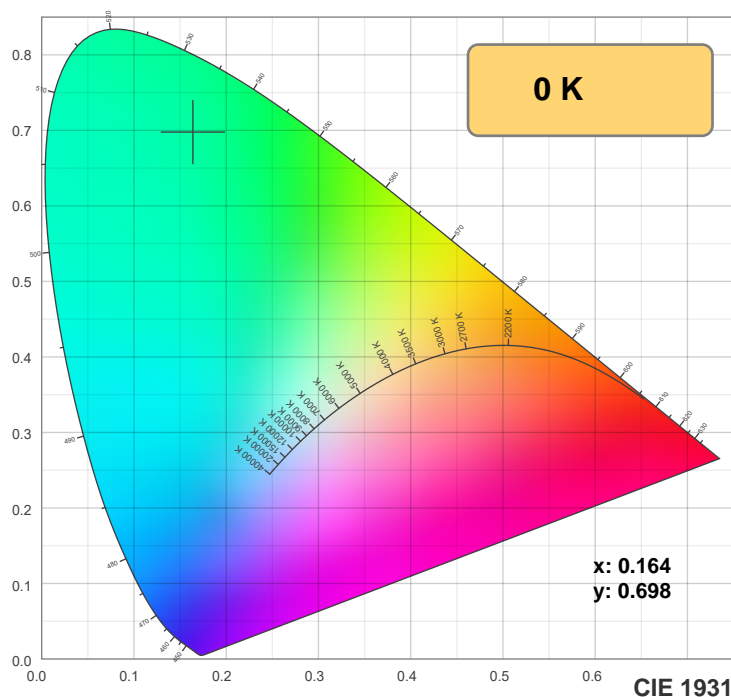
CIE 1931
x: 0.164
y: 0.698

Spectra

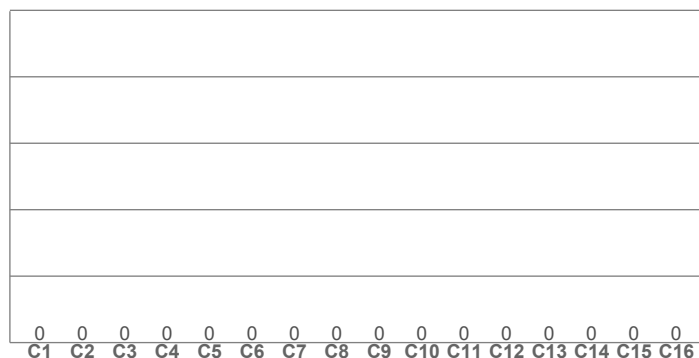


Power

Voltage: 116 V
Current: 1.72 A
Frequency: 0 Hz



TM-30: 0.0



CRI R values, only R1-R8 are used to calculate final CRI value

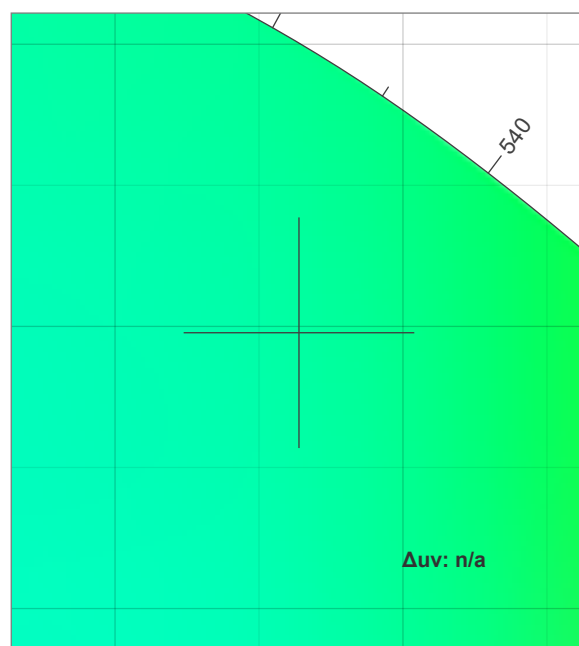
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

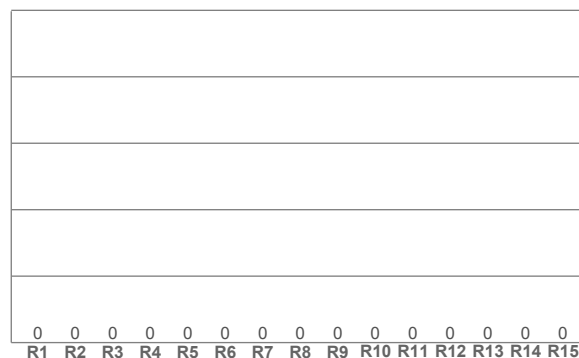
| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CQS Q values

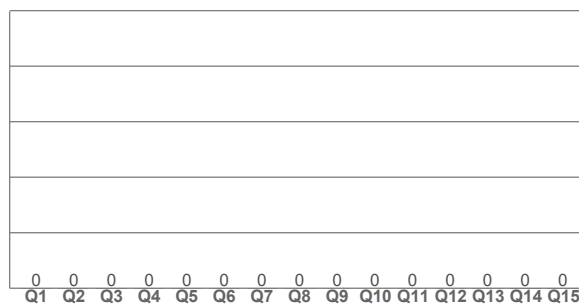
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



CRI: 0.0 (R1-R8)



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 | 0.164 | 0.698 | 0.059 | 0.379 | n/a |

TM-30 details

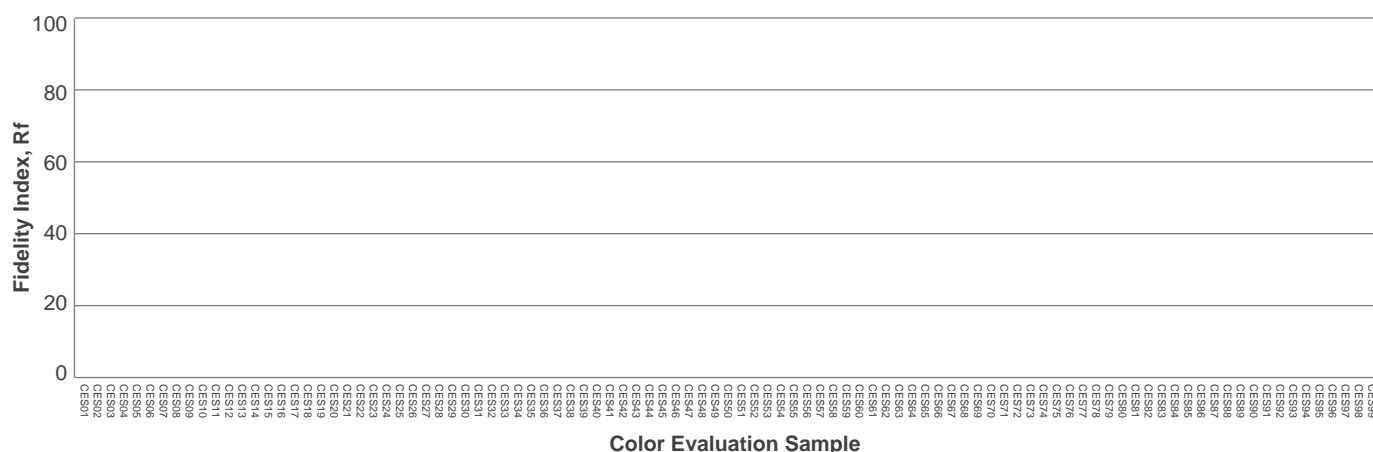
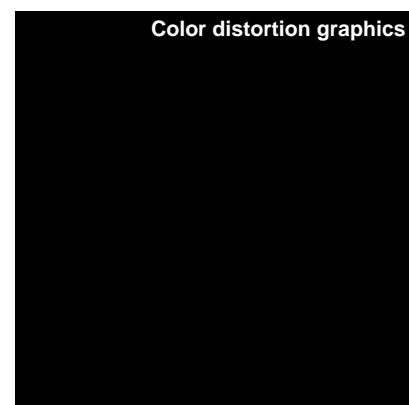
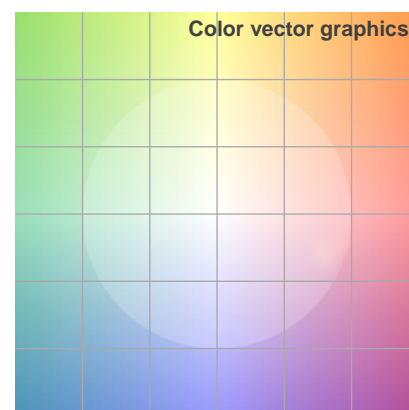
Rf 0.0

Fidelity index Rf

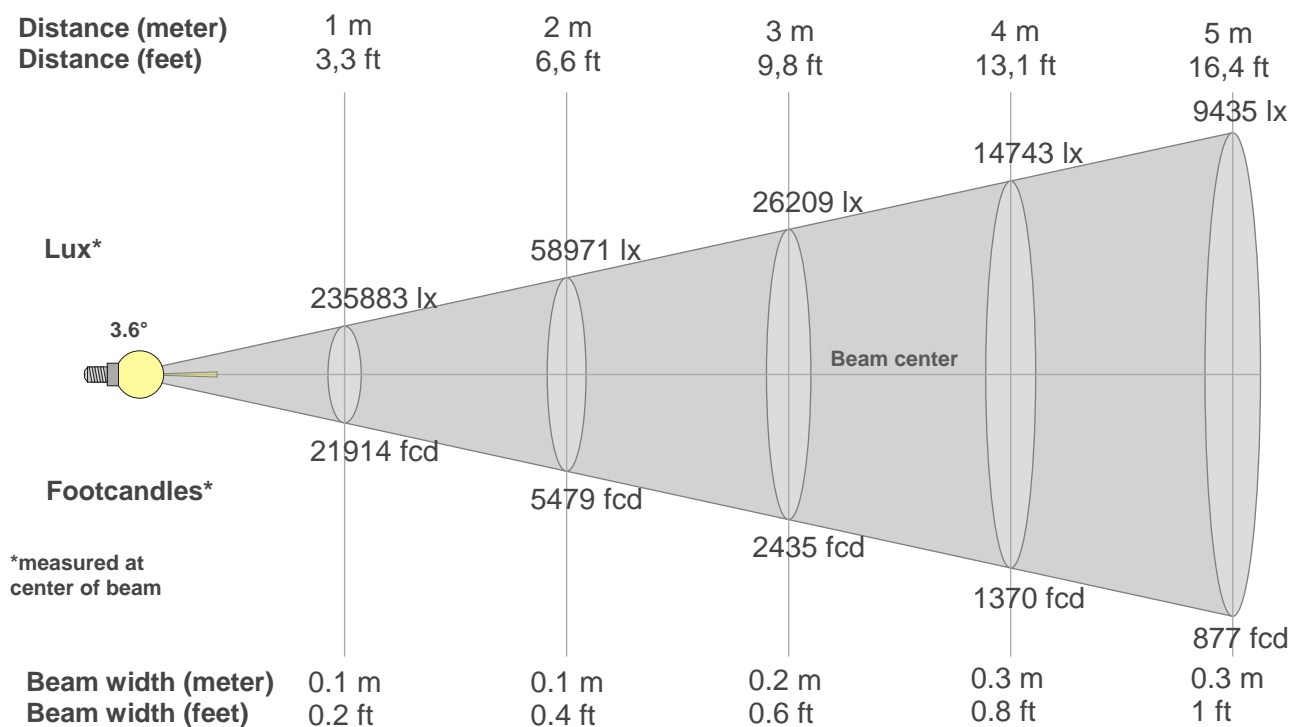
Rg 0.0

Gamut index Rg

| Hue Bin | R _i | 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 |
| 235883lx | 58971lx | 26209lx | 14743lx | 9435lx | 6552lx | 4814lx | 3686lx | 2912lx | 2359lx | 1949lx | 1638lx | 1396lx | 1203lx | 1048lx | 921lx | 816lx | 728lx | 653lx | 590lx |
| 21914.3 fcd | 5478.6 fcd | 2434.9 fcd | 1369.6 fcd | 876.6 fcd | 608.7 fcd | 447.2 fcd | 342.4 fcd | 270.5 fcd | 219.1 fcd | 181.1 fcd | 152.2 fcd | 129.7 fcd | 111.8 fcd | 97.4 fcd | 85.6 fcd | 75.8 fcd | 67.6 fcd | 60.7 fcd | 54.8 fcd |

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° |
|------|------|-----|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 236k | 199k | 96k | 14k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k |
| 100% | 84% | 41% | 6% | 1% | 0% | 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° |
|------|------|-----|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 236k | 199k | 96k | 14k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k |
| 100% | 84% | 41% | 6% | 1% | 0% | 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° |
|------|------|-----|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 236k | 199k | 96k | 14k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k |
| 100% | 84% | 41% | 6% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Intensities in 270° c-plane

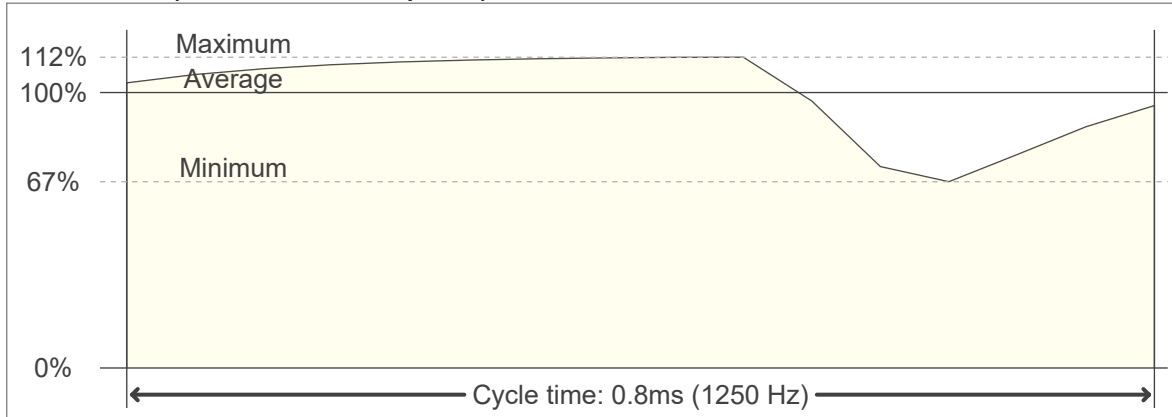
| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|------|------|-----|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 236k | 199k | 96k | 14k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k | 1k |
| 100% | 84% | 41% | 6% | 1% | 0% | 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 |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 3.6° | 5.6° | 6.6° | 32.1% | 22.6% |

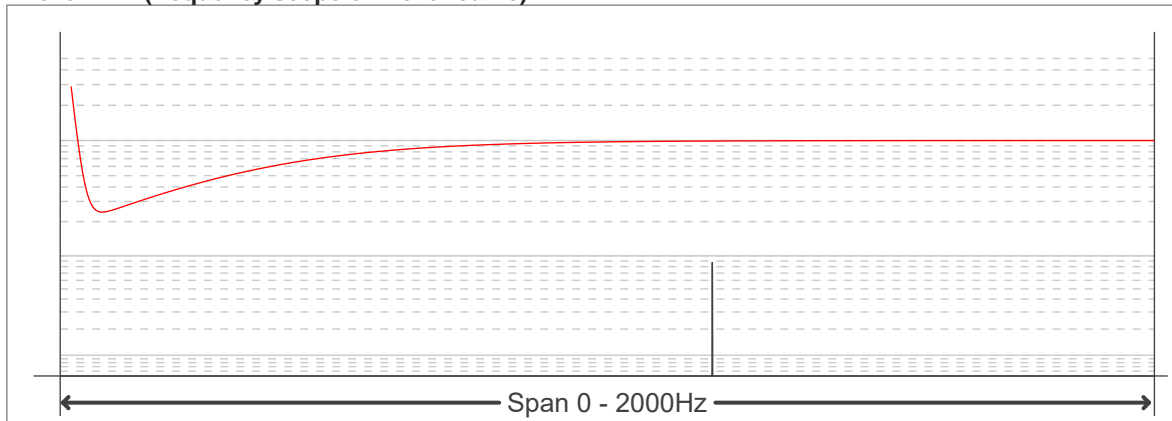
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

| Flicker frequency: | | 1250 Hz | |
|-----------------------|--------|---------------|--------|
| Flicker index: | 0.06 | JA8/10 40Hz | 0.13 % |
| Flicker percentage: | 26.2 % | JA8/10 90Hz | 0.18 % |
| SVM: (Visual flicker) | 0.18 | JA8/10 200Hz | 0.32 % |
| PstLM | 0 | JA8/10 400Hz | 0.66 % |
| Mp | 0.07 | JA8/10 1000Hz | 2.56 % |

Flicker conditions:

| | |
|--------------|----------------------|
| Sample rate: | 20000 samples/second |
|--------------|----------------------|