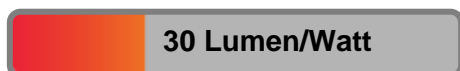
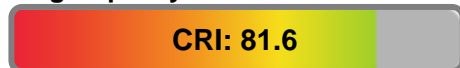


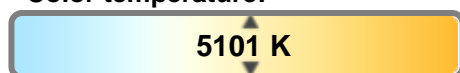
#### Light efficiency:



#### Light quality:



#### Color temperature:



**Output:** 9097 lm

**Peak:** 53713 cd

**Power:** 300 W

**PF:** 1.0



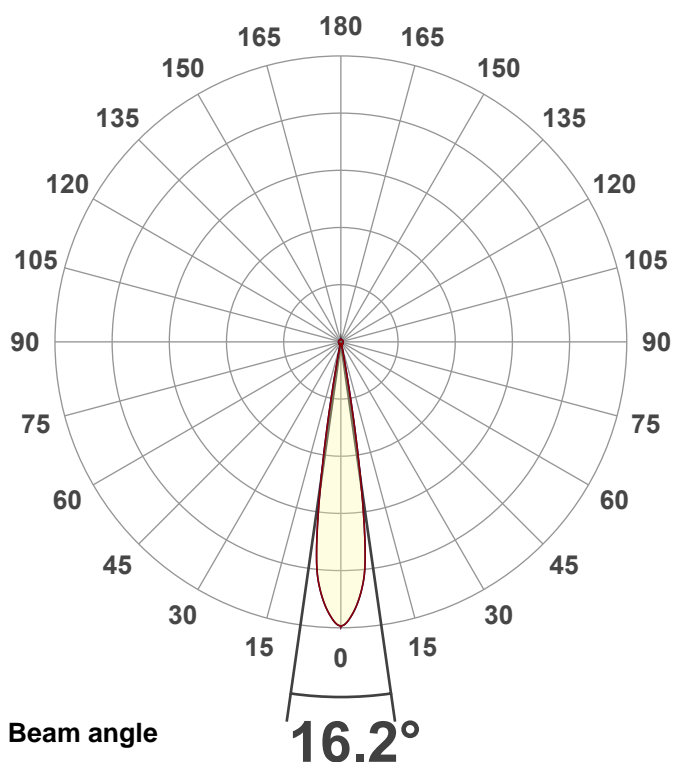
**Product name:**

**Hydro Flex L7 (Zoom 50% High CRI)**

**Item number:**

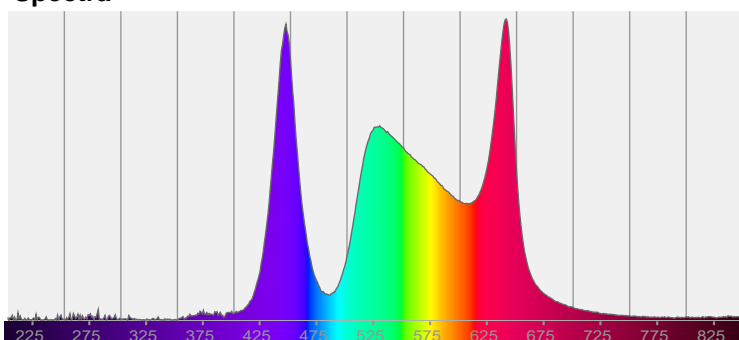
**Date and time:**

**9/2/2025 10:38:20 AM**

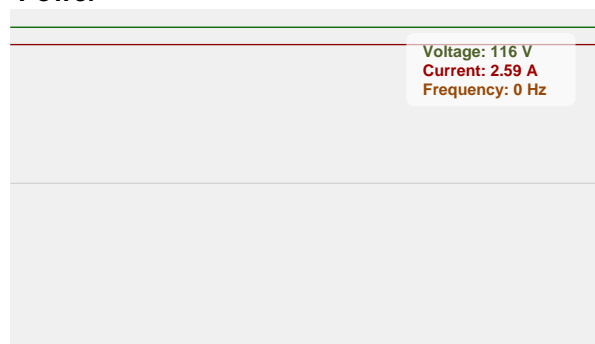


CIE 1931  
x: 0.342  
y: 0.348

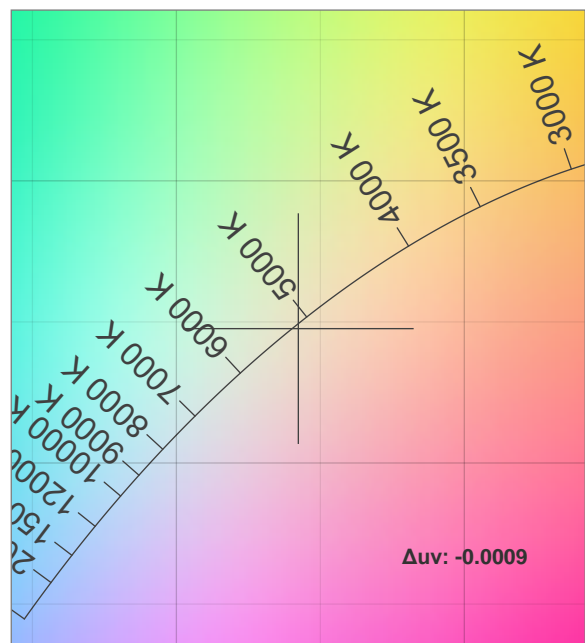
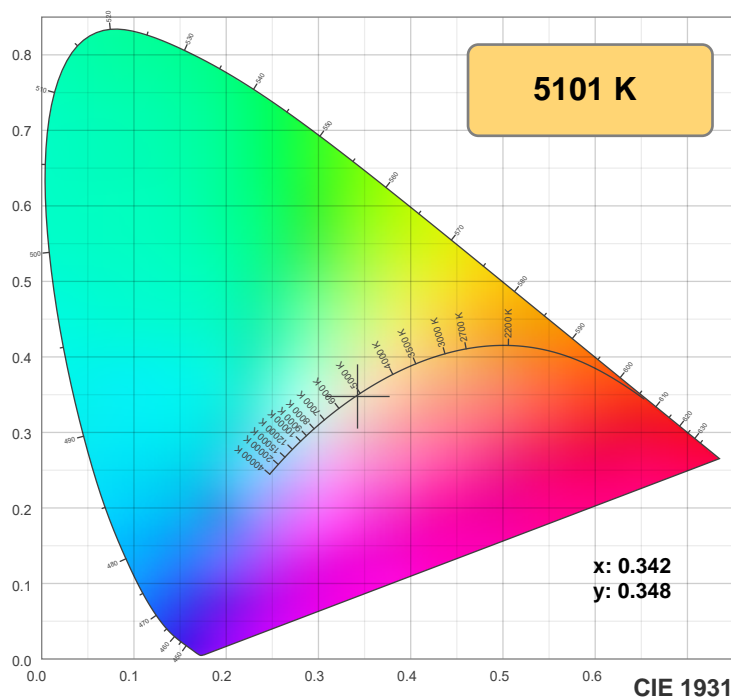
#### Spectra



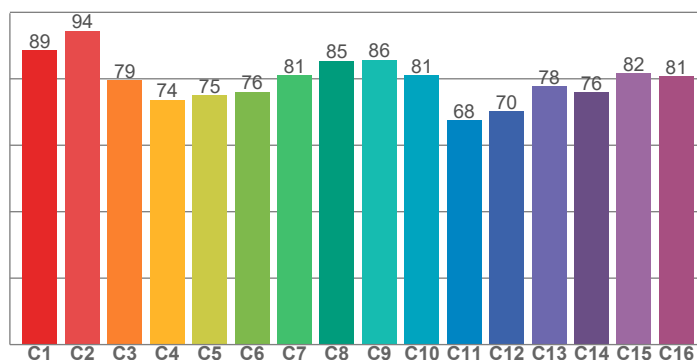
#### Power



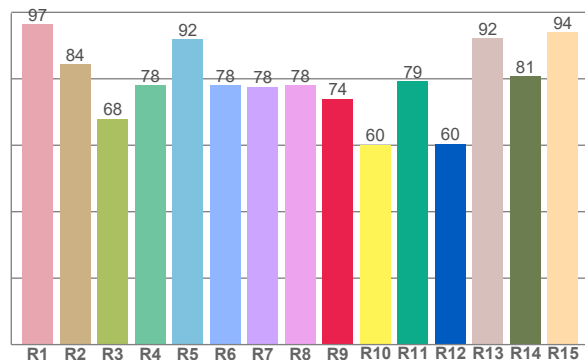
## Color details



**TM-30: 79.7**



**CRI: 81.6 (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
96.6	84.4	68.0	78.0	91.9	78.1	77.6	78.2	74.0	60.2	79.4	60.4	92.3	80.9	93.9

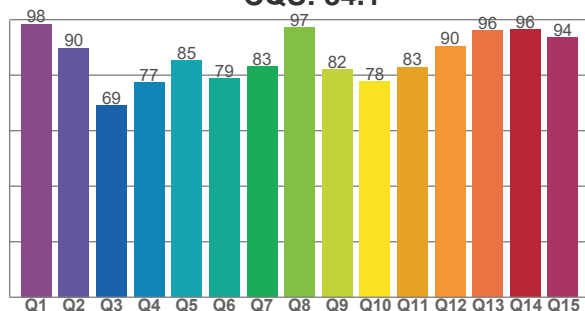
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.6	94.5	79.5	73.7	75.0	76.0	81.1	85.4	85.7	81.0	67.5	70.2	77.7	76.0	81.7	80.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.5	89.8	69.1	77.3	85.2	78.7	83.0	97.1	82.0	77.7	83.0	90.5	96.2	96.4	93.6

**CQS: 84.1**



### 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
5101 K	81.6	74.0	79.7	110.0	84.1	0.342	0.348	0.211	0.322	-0.0009

# TM-30 details

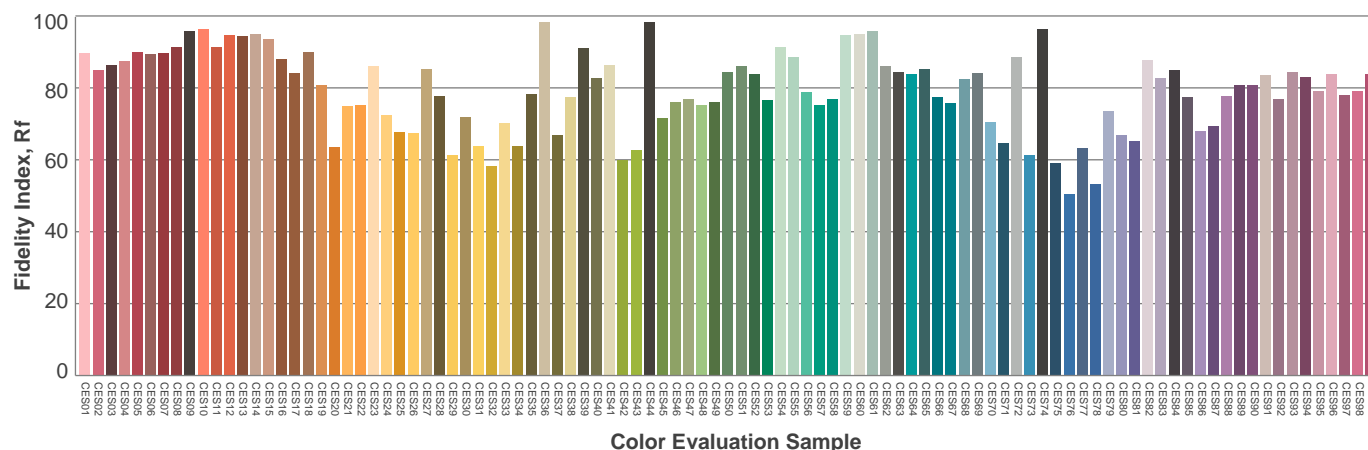
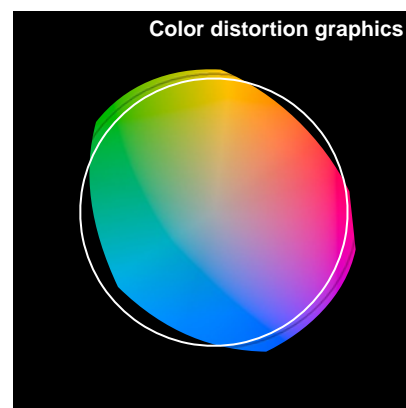
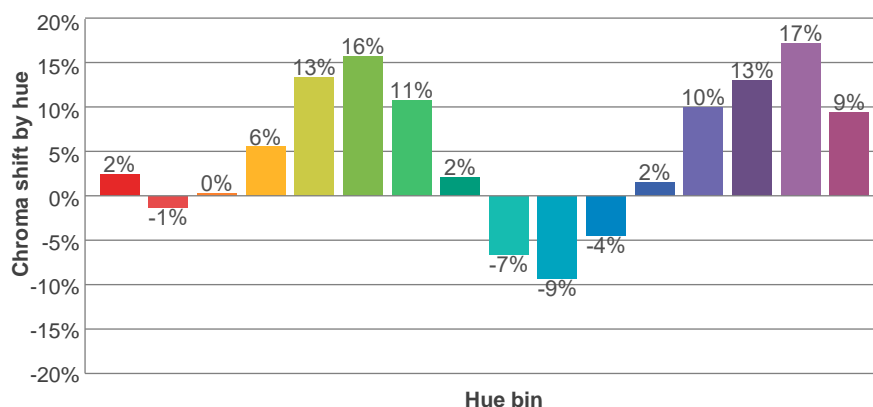
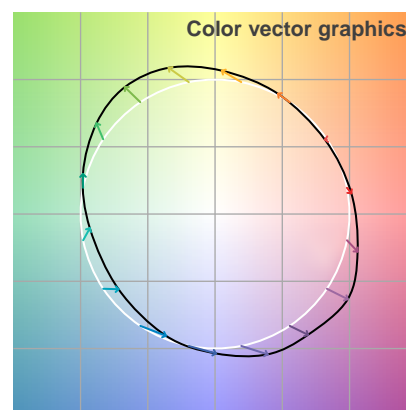
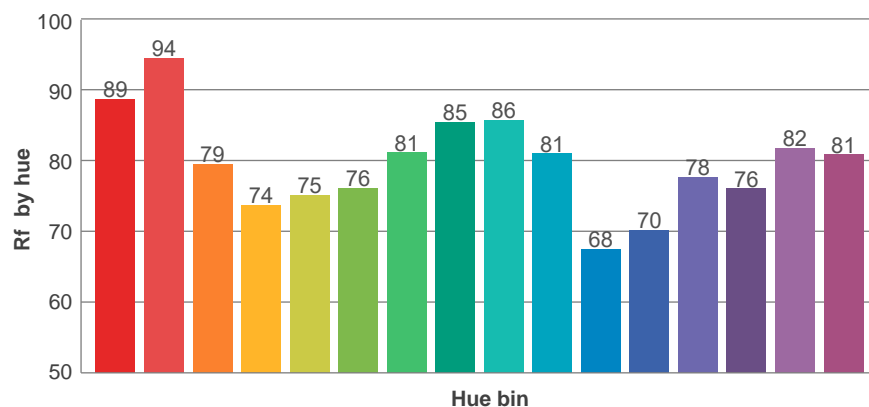
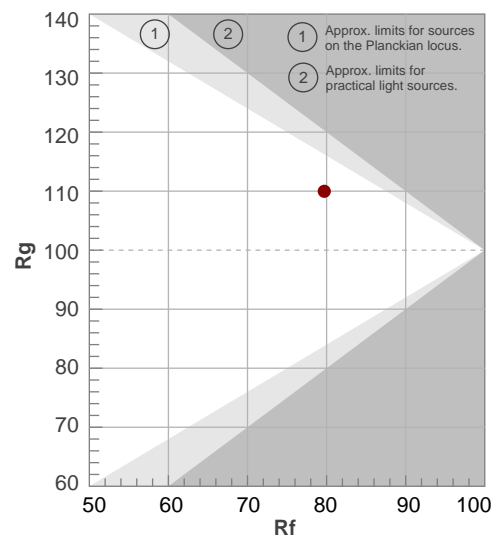
**Rf 79.7**

Fidelity index Rf

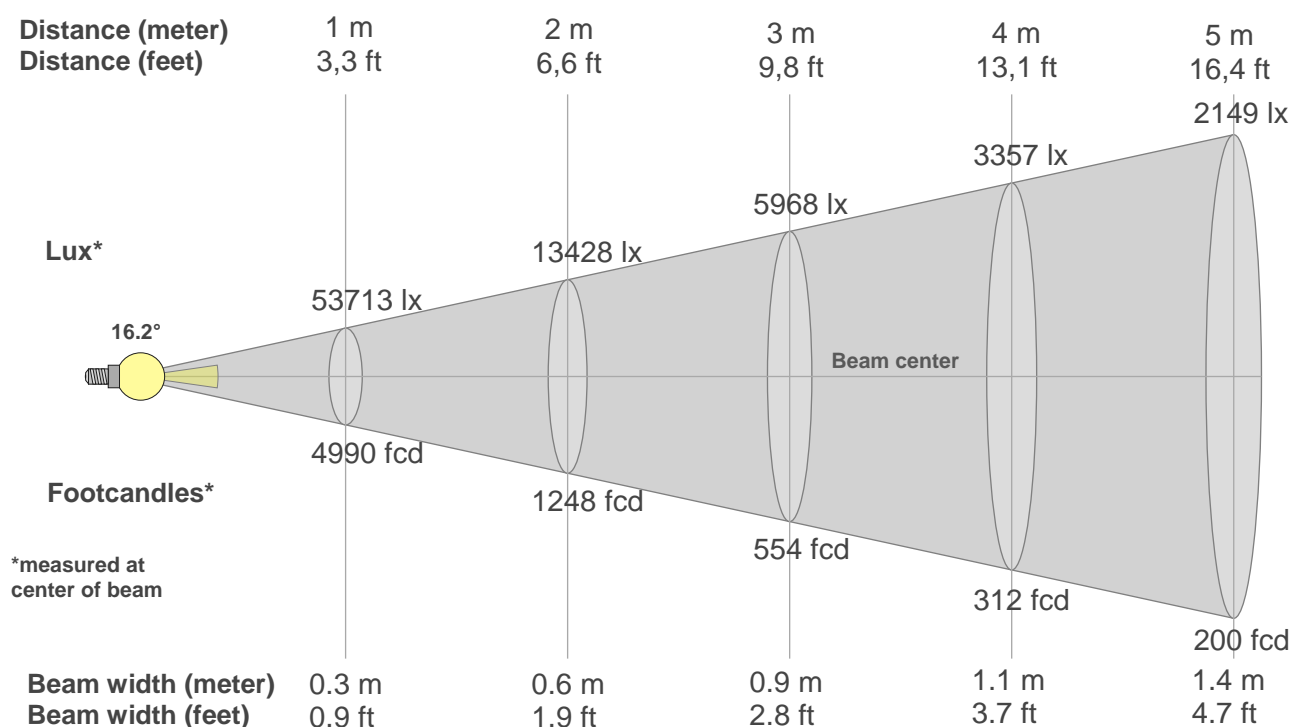
**Rg 110.0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	89	2%	-5%
2	94	-1%	1%
3	79	0%	11%
4	74	6%	16%
5	75	13%	13%
6	76	16%	3%
7	81	11%	-7%
8	85	2%	-10%
9	86	-7%	-8%
10	81	-9%	7%
11	68	-4%	20%
12	70	2%	21%
13	78	10%	18%
14	76	13%	8%
15	82	17%	2%
16	81	9%	-7%



## 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
53713lx	13428lx	5968lx	3357lx	2149lx	1492lx	1096lx	839lx	663lx	537lx	444lx	373lx	318lx	274lx	239lx	210lx	186lx	166lx	149lx	134lx
4990.1fcd	1247.5fcd	554.5fcd	311.9fcd	199.6fcd	138.6fcd	101.8fcd	78fcd	61.6fcd	49.9fcd	41.2fcd	34.7fcd	29.5fcd	25.5fcd	22.2fcd	19.5fcd	17.3fcd	15.4fcd	13.8fcd	12.5fcd

### 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°
53.7k	53.2k	52.1k	50.6k	48.8k	46.5k	43.2k	37.1k	28.0k	17.9k	8.6k	2.9k	1.1k	0.7k	0.6k	0.6k	0.6k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	80%	69%	52%	33%	16%	5%	2%	1%	1%	1%	1%	1%	1%	1%

### 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°
53.7k	53.2k	52.1k	50.6k	48.8k	46.5k	43.2k	37.1k	28.0k	17.9k	8.6k	2.9k	1.1k	0.7k	0.6k	0.6k	0.6k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	80%	69%	52%	33%	16%	5%	2%	1%	1%	1%	1%	1%	1%	1%

### 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°
53.7k	53.2k	52.1k	50.6k	48.8k	46.5k	43.2k	37.1k	28.0k	17.9k	8.6k	2.9k	1.1k	0.7k	0.6k	0.6k	0.6k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	80%	69%	52%	33%	16%	5%	2%	1%	1%	1%	1%	1%	1%	1%

### 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°
53.7k	53.2k	52.1k	50.6k	48.8k	46.5k	43.2k	37.1k	28.0k	17.9k	8.6k	2.9k	1.1k	0.7k	0.6k	0.6k	0.6k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	80%	69%	52%	33%	16%	5%	2%	1%	1%	1%	1%	1%	1%	1%

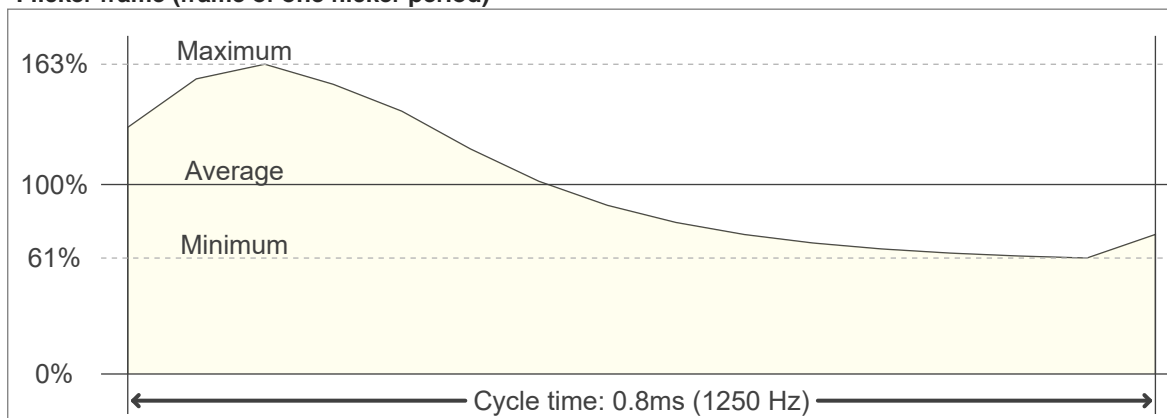
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.2°	20.9°	23.6°	54.1%	47.2%

# Flicker

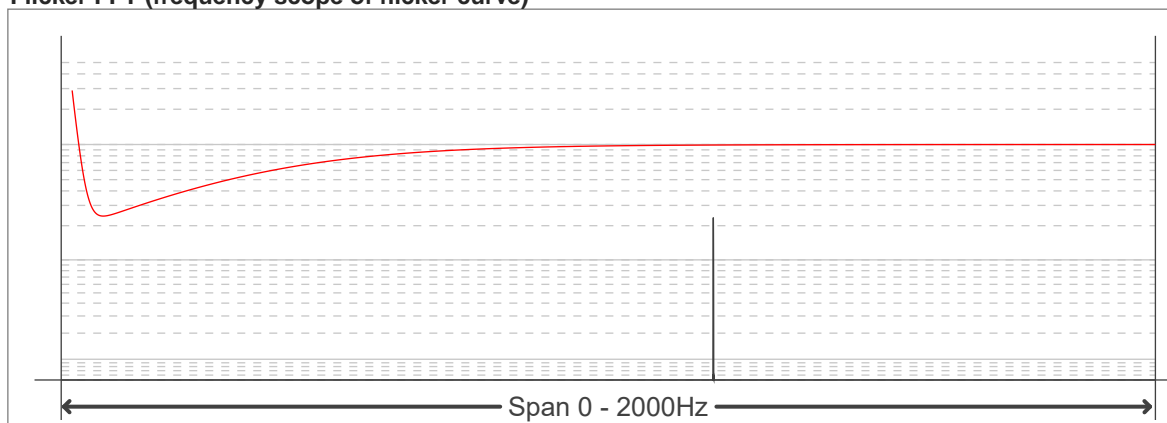
**Flicker curve (complete sampled flicker signal)**



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



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



**Flicker results:**

Flicker frequency:		1250 Hz	
Flicker index:	0.16	JA8/10 40Hz	0.56 %
Flicker percentage:	46.47 %	JA8/10 90Hz	1.23 %
SVM: (Visual flicker)	0.48	JA8/10 200Hz	2.72 %
PstLM	0	JA8/10 400Hz	5.5 %
Mp	0.13	JA8/10 1000Hz	16.53 %

**Flicker conditions:**

Sample rate:	20000 samples/second
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