

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 57.4

Color temperature:

4181 K

Output: 8066 lm

Peak: 42907 cd

Power: 209 W

PF: 1.0



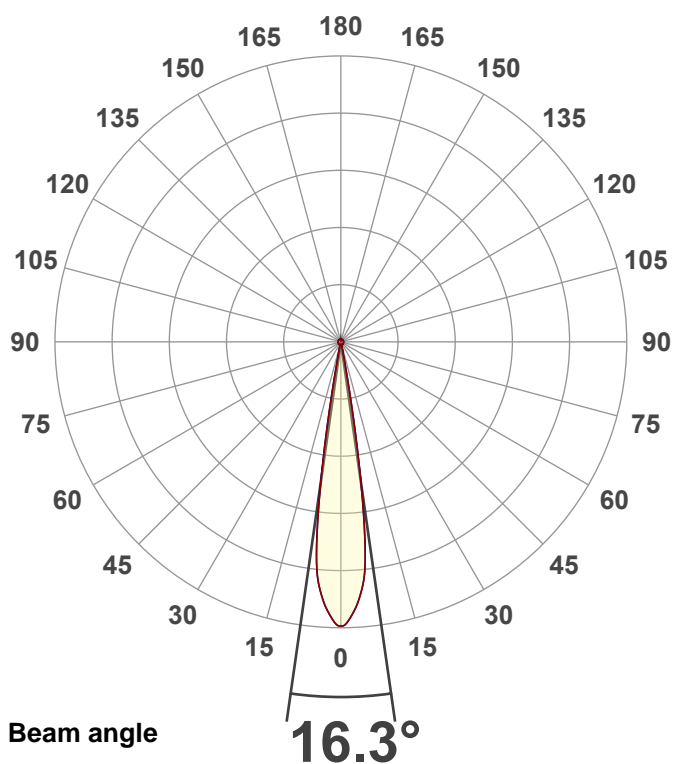
Product name:

Hydro Flex L7 (Zoom 50% Lime)

Item number:

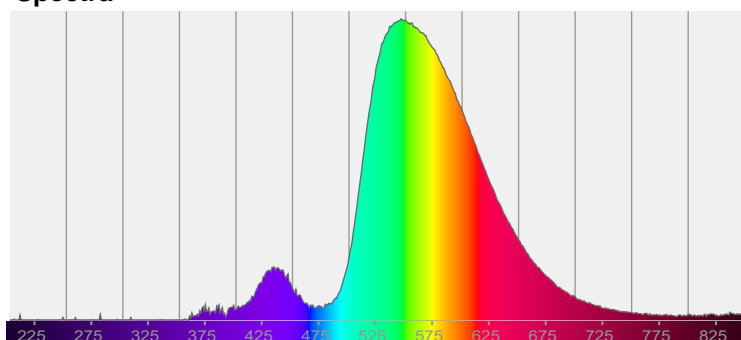
Date and time:

8/25/2025 11:12:32 AM



CIE 1931  
x: 0.406  
y: 0.510

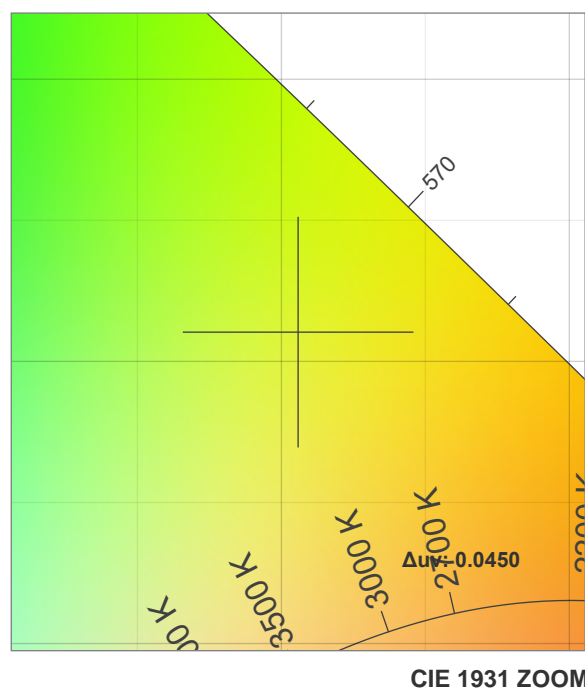
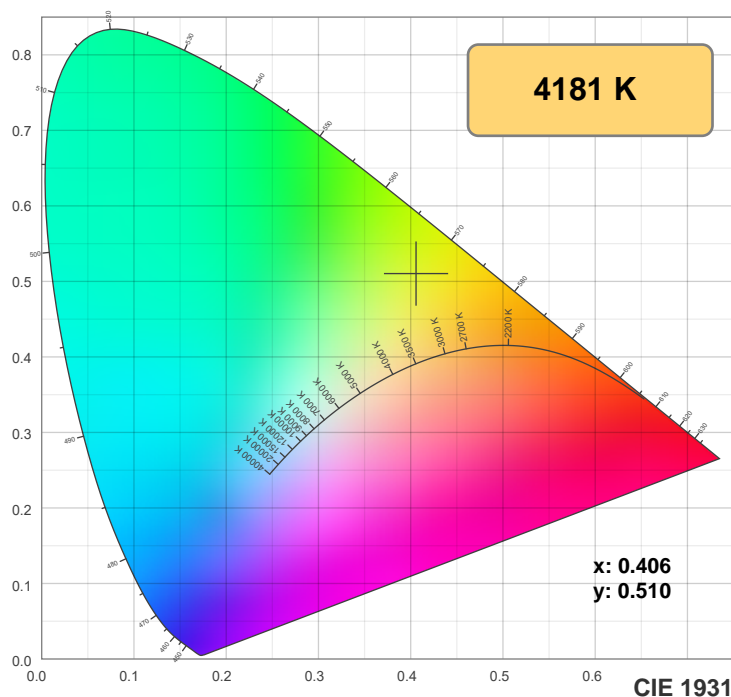
Spectra



Power

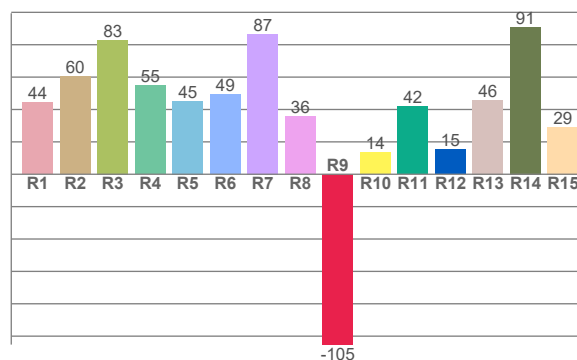
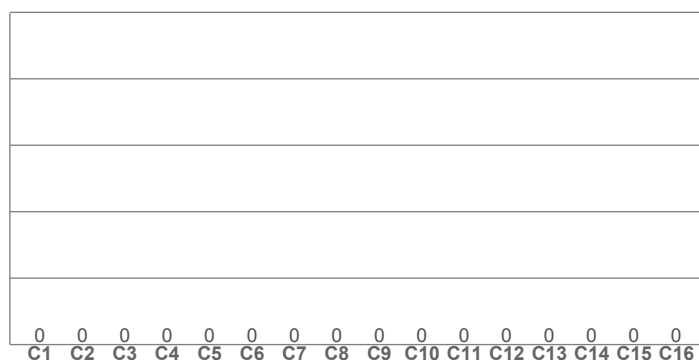
Voltage: 116 V  
Current: 1.80 A  
Frequency: 0 Hz

## Color details



**TM-30: 0.0**

**CRI: 57.4 (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
44.3	60.5	82.9	54.8	45.2	49.3	86.6	35.6	-105.2	13.5	42.0	15.3	45.9	91.0	29.1

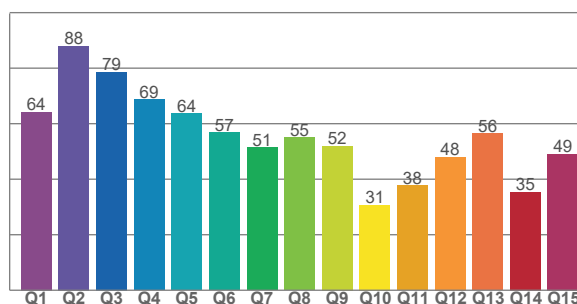
**TM30 C values, 16 binned values out of total of 99 C values**

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
64.2	88.0	78.7	68.8	63.7	56.9	51.4	55.0	52.0	30.6	37.7	48.1	56.4	35.3	49.2

**CQS: 53.2**



### 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	$\Delta uv$
4181 K	57.4	-105.2	0.0	n/a	53.2	0.406	0.510	0.195	0.368	0.0450

# TM-30 details

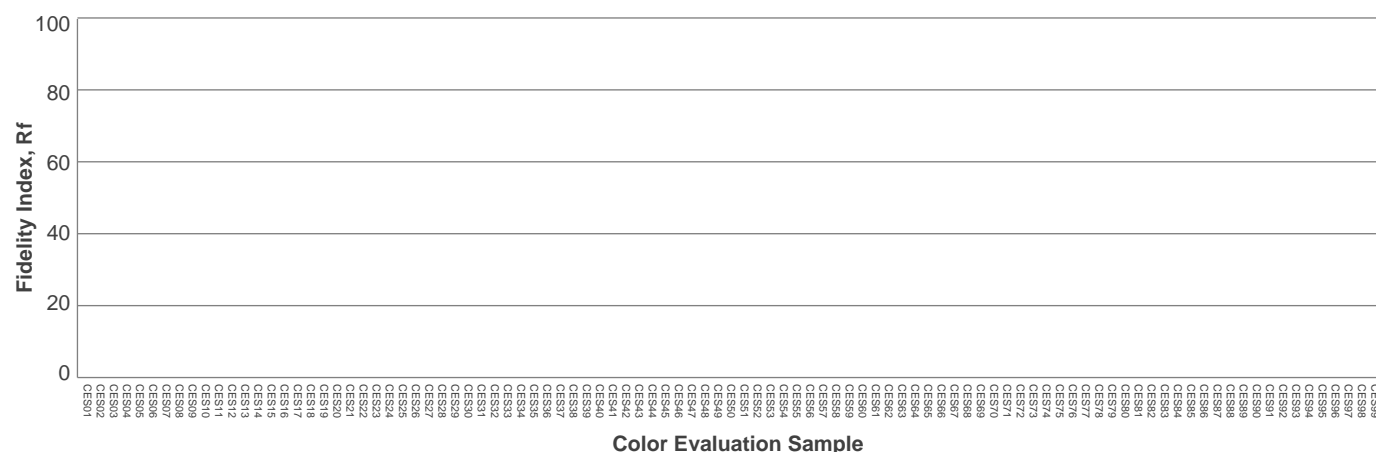
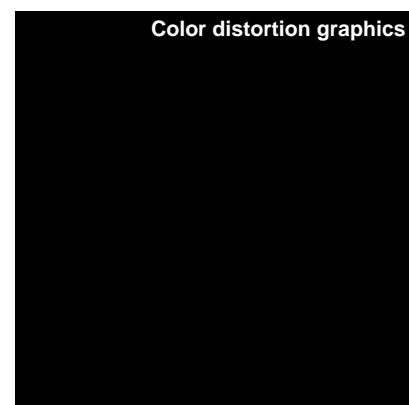
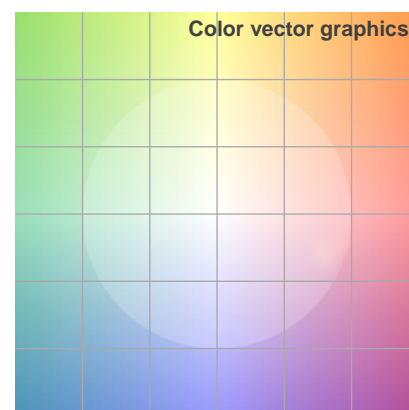
**Rf 0.0**

Fidelity index Rf

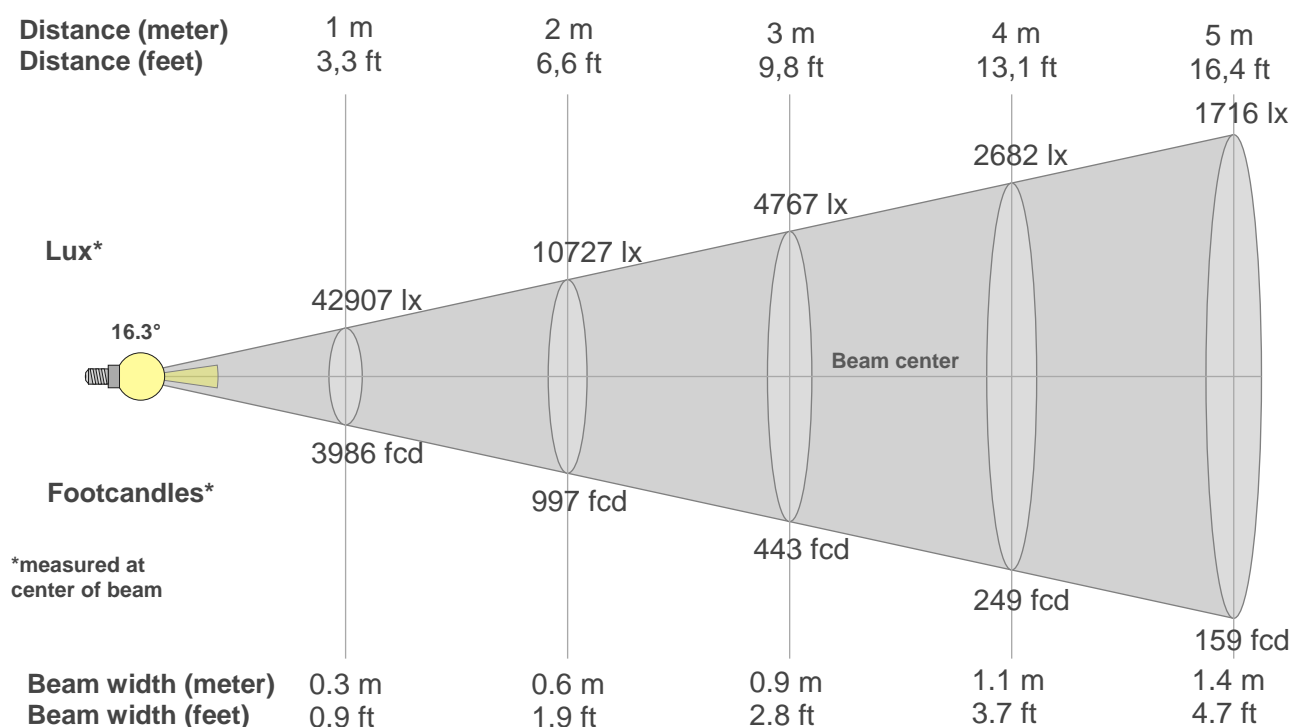
**Rg n/a**

Gamut index Rg

Hue Bin	R <sub>i</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
42907lx	10727lx	4767lx	2682lx	1716lx	1192lx	876lx	670lx	530lx	429lx	355lx	298lx	254lx	219lx	191lx	168lx	148lx	132lx	119lx	107lx
3986.2f	996.6fc	442.9fc	249.1fc	159.4fc	110.7fc	81.4fcd	62.3fcd	49.2fcd	39.9fcd	32.9fcd	27.7fcd	23.6fcd	20.3fcd	17.7fcd	15.6fcd	13.8fcd	12.3fcd	11fcd	10fcd

### 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°
42.9k	42.6k	41.6k	40.5k	39.0k	37.2k	34.6k	29.6k	22.5k	14.4k	6.9k	2.4k	0.9k	0.6k	0.5k	0.5k	0.5k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	81%	69%	52%	34%	16%	6%	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°
42.9k	42.6k	41.6k	40.5k	39.0k	37.2k	34.6k	29.6k	22.5k	14.4k	6.9k	2.4k	0.9k	0.6k	0.5k	0.5k	0.5k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	81%	69%	52%	34%	16%	6%	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°
42.9k	42.6k	41.6k	40.5k	39.0k	37.2k	34.6k	29.6k	22.5k	14.4k	6.9k	2.4k	0.9k	0.6k	0.5k	0.5k	0.5k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	81%	69%	52%	34%	16%	6%	2%	1%	1%	1%	1%	1%	1%	1%

### Intensities in 270° c-plane

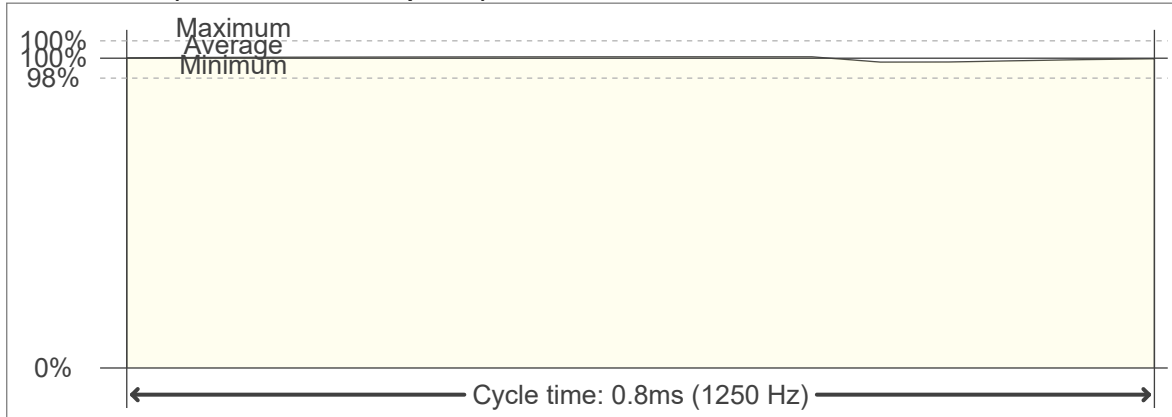
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
42.9k	42.6k	41.6k	40.5k	39.0k	37.2k	34.6k	29.6k	22.5k	14.4k	6.9k	2.4k	0.9k	0.6k	0.5k	0.5k	0.5k	0.5k	0.5k	0.5k
100%	99%	97%	94%	91%	87%	81%	69%	52%	34%	16%	6%	2%	1%	1%	1%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.3°	21°	23.7°	51.1%	43.8%

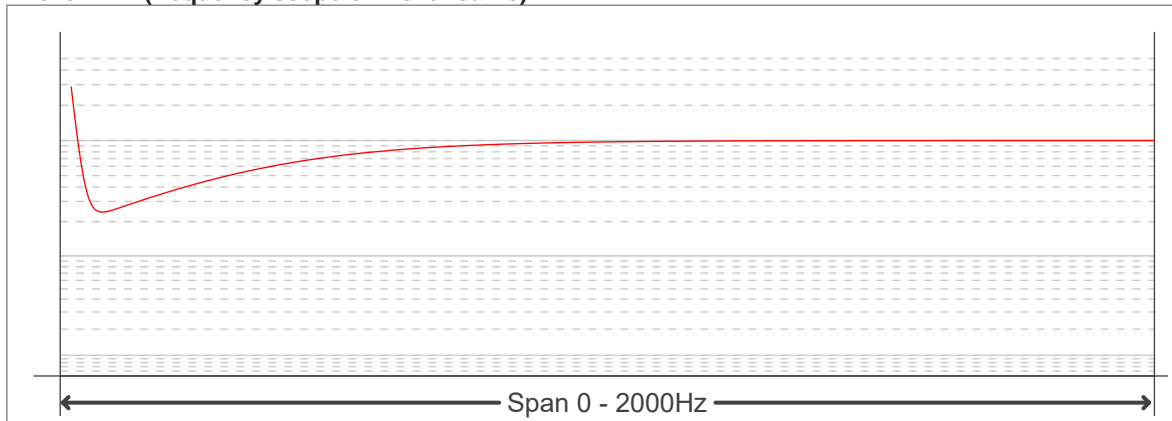
**Flicker curve (complete sampled flicker signal)**



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



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



**Flicker results:**

Flicker frequency:		1250 Hz	
Flicker index:	0	JA8/10 40Hz	0.09 %
Flicker percentage:	1.02 %	JA8/10 90Hz	0.09 %
SVM: (Visual flicker)	0.01	JA8/10 200Hz	0.11 %
PstLM	0	JA8/10 400Hz	0.16 %
Mp	0.06	JA8/10 1000Hz	0.34 %

**Flicker conditions:**

Sample rate:	20000 samples/second
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