

Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 9104 lm

Peak: 51863 cd

Power: 187.1 W

PF: 1.0



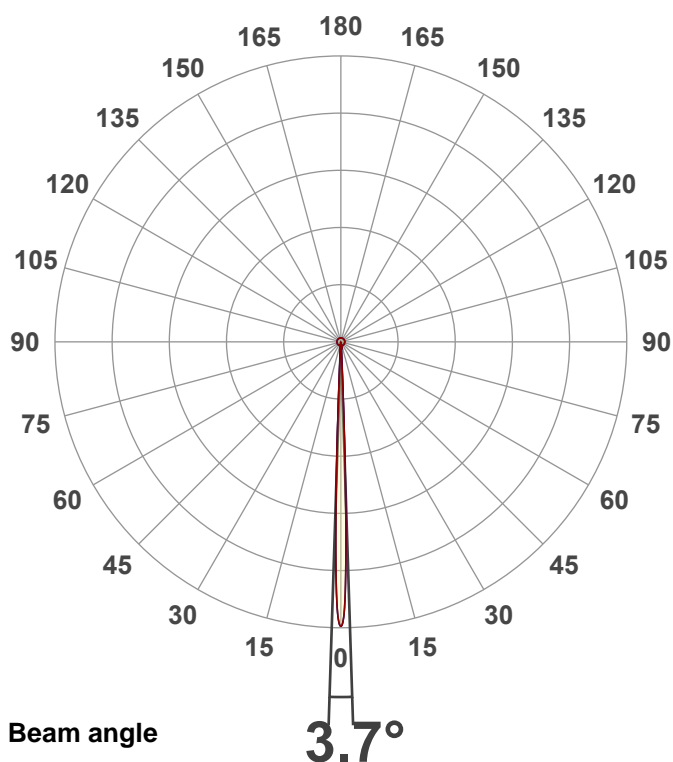
Product name:

Hydro Flex L7 (Zoom In Blue)

Item number:

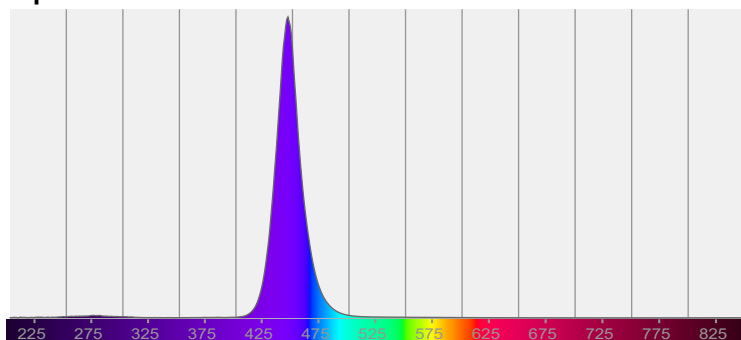
Date and time:

8/22/2025 2:24:34 PM



CIE 1931
x: 0.158
y: 0.025

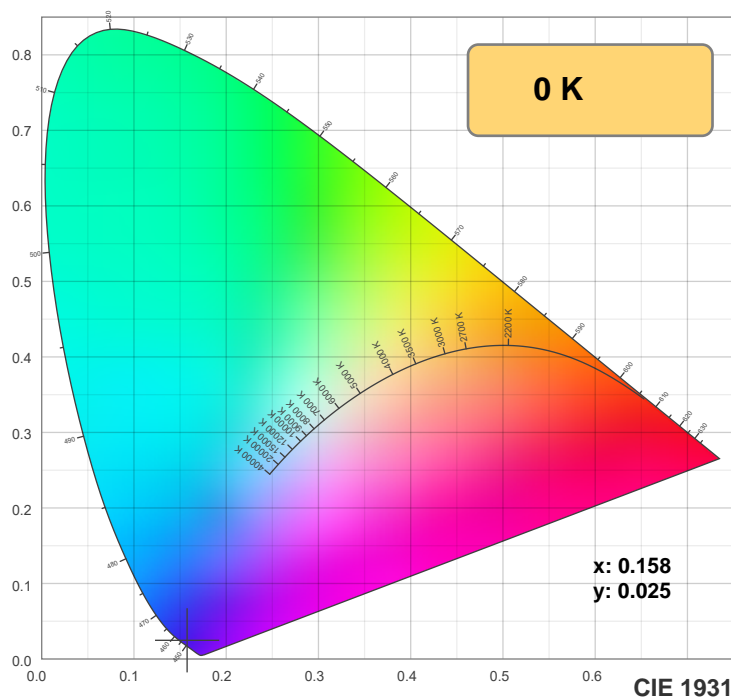
Spectra



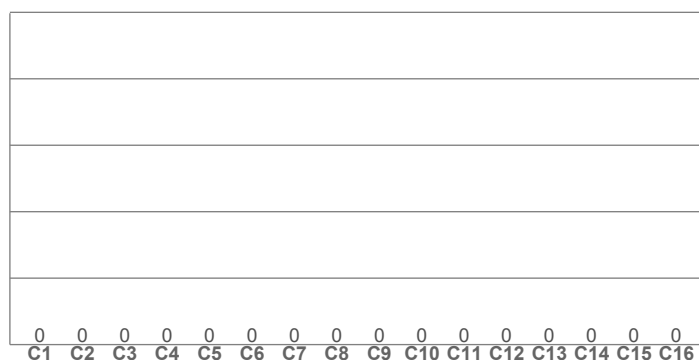
Power

Voltage: 116 V
Current: 1.61 A
Frequency: 0 Hz

Color details



TM-30: 0.0



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

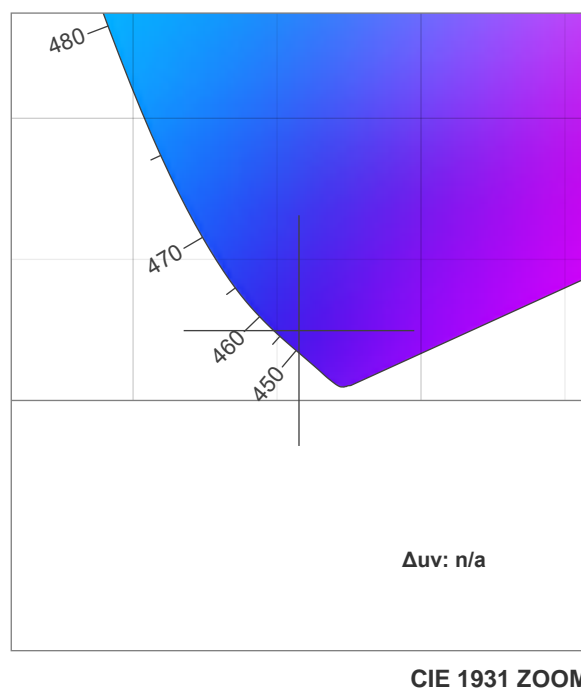
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

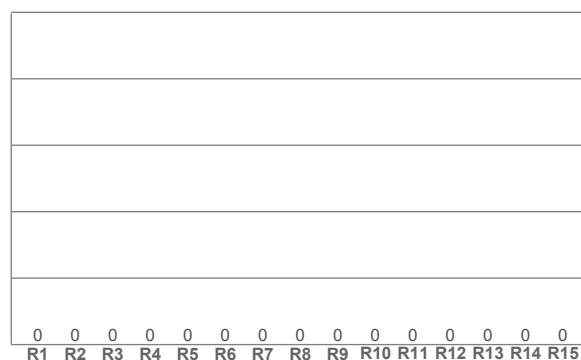
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CQS Q values

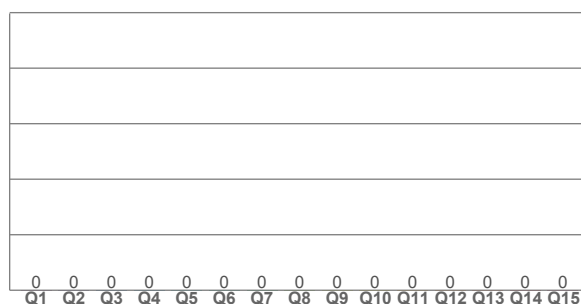
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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	0.158	0.025	0.211	0.050	n/a

TM-30 details

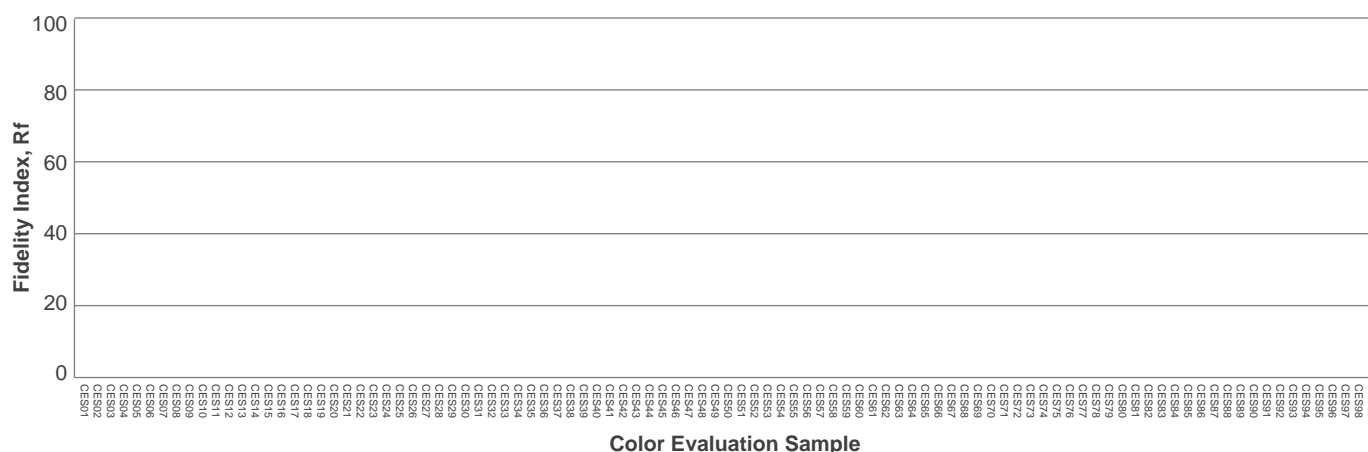
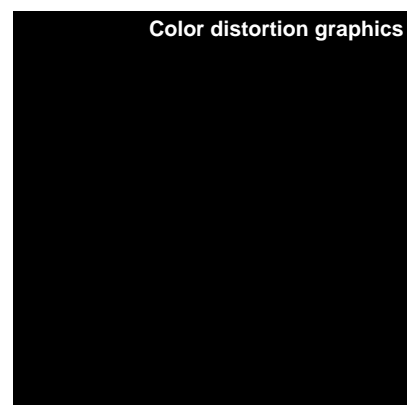
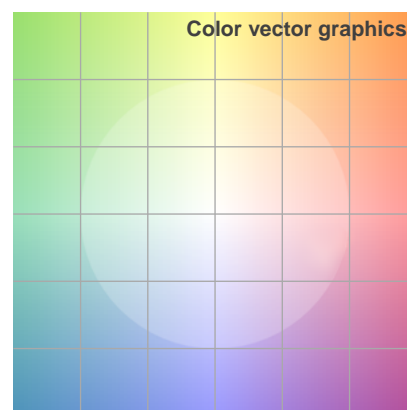
Rf 0.0

Fidelity index Rf

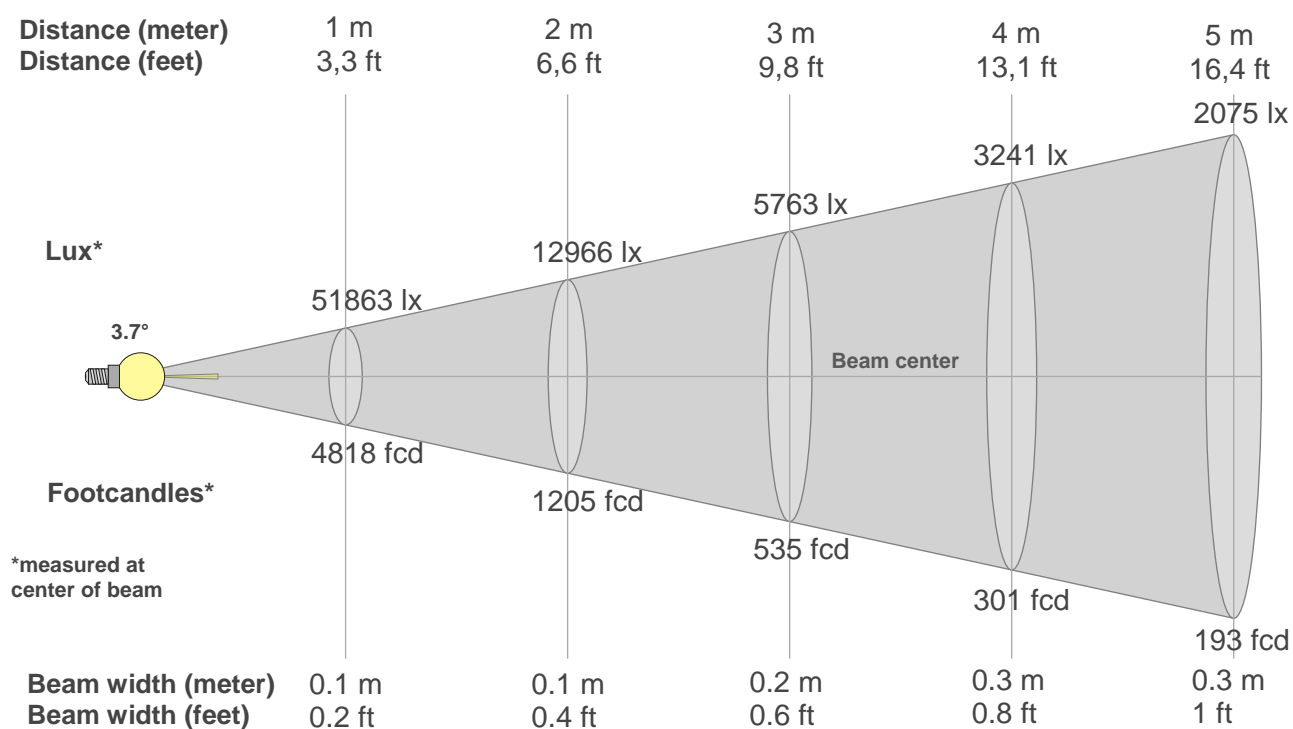
Rg 0.0

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
51863lx	12966lx	5763lx	3241lx	2075lx	1441lx	1058lx	810lx	640lx	519lx	429lx	360lx	307lx	265lx	231lx	203lx	179lx	160lx	144lx	130lx
4818.3fcd	1204.6fcd	535.4fcd	301.1fcd	192.7fcd	133.8fcd	98.3fcd	75.3fcd	59.5fcd	48.2fcd	39.8fcd	33.5fcd	28.5fcd	24.6fcd	21.4fcd	18.8fcd	16.7fcd	14.9fcd	13.3fcd	12fcd

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°
51.9k	45.7k	21.1k	2.8k	0.8k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k
100%	88%	41%	5%	2%	1%	1%	1%	1%	1%	1%	1%	1%	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°
51.9k	45.7k	21.1k	2.8k	0.8k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k
100%	88%	41%	5%	2%	1%	1%	1%	1%	1%	1%	1%	1%	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°
51.9k	45.7k	21.1k	2.8k	0.8k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k
100%	88%	41%	5%	2%	1%	1%	1%	1%	1%	1%	1%	1%	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°
51.9k	45.7k	21.1k	2.8k	0.8k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k	0.7k
100%	88%	41%	5%	2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

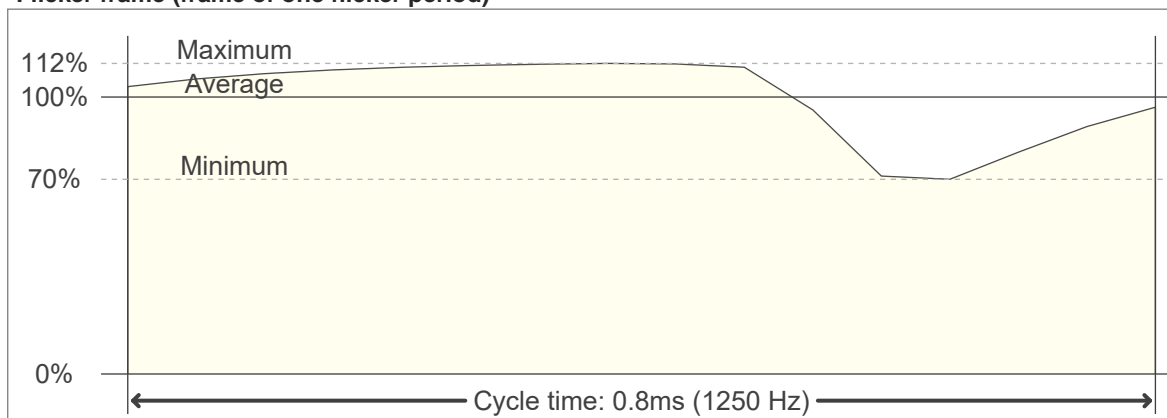
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
3.7°	5.5°	6.8°	26.6%	16.4%

Flicker

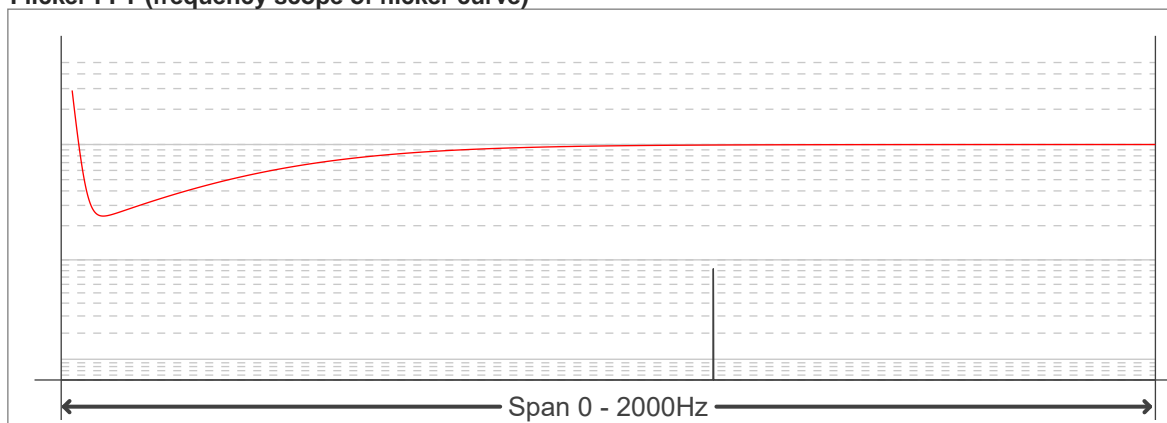
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1250 Hz	
Flicker index:	0.06	JA8/10 40Hz	0.3 %
Flicker percentage:	25.02 %	JA8/10 90Hz	0.43 %
SVM: (Visual flicker)	0.17	JA8/10 200Hz	0.7 %
PstLM	0	JA8/10 400Hz	1.25 %
Mp	0.22	JA8/10 1000Hz	3.97 %

Flicker conditions:

Sample rate:	20000 samples/second
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