

Light efficiency:



Light quality:



Color temperature:



Output: 6407 lm

Peak: 4235 cd

Power: 444 W

PF: 1.0



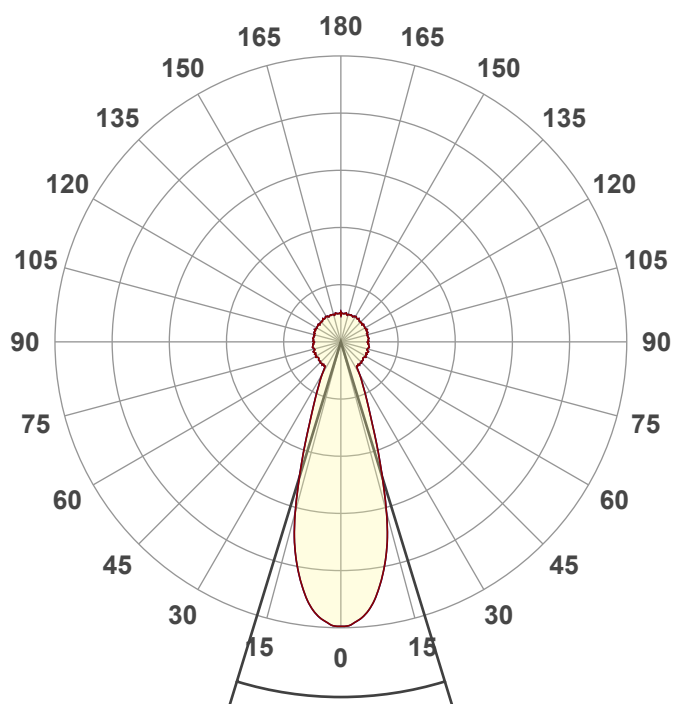
Product name:

Hydro Flex L19 (Zoom Out Blue)

Item number:

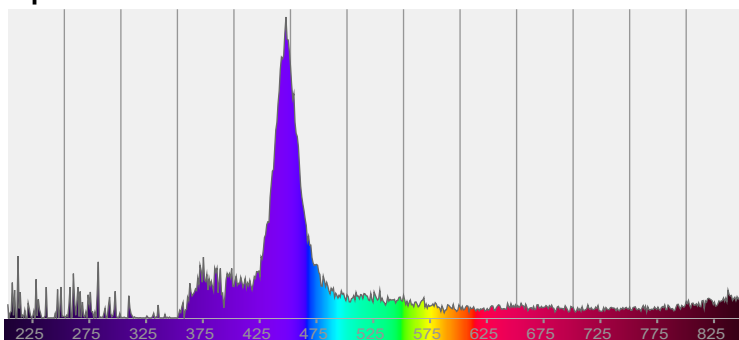
Date and time:

9/6/2025 10:54:49 AM

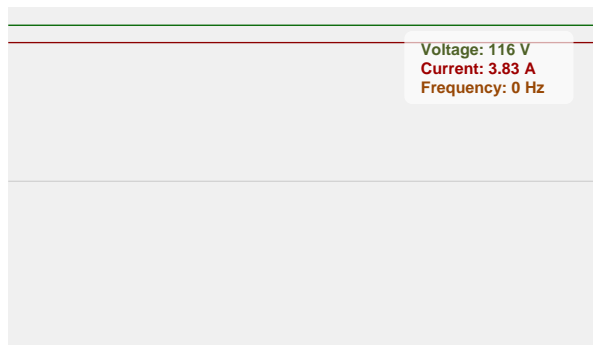


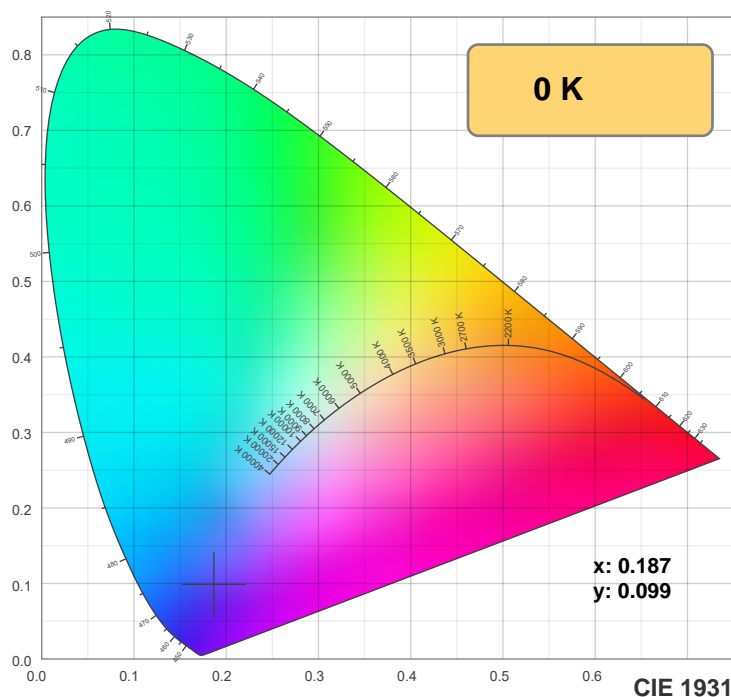
CIE 1931
x: 0.187
y: 0.099

Spectra

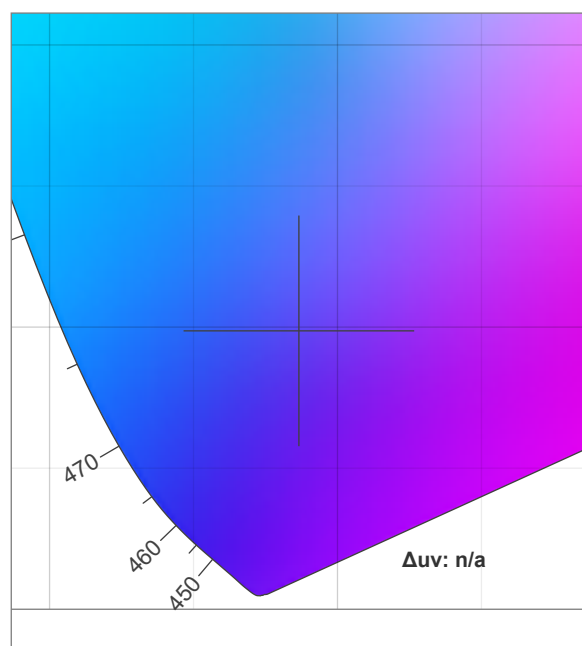
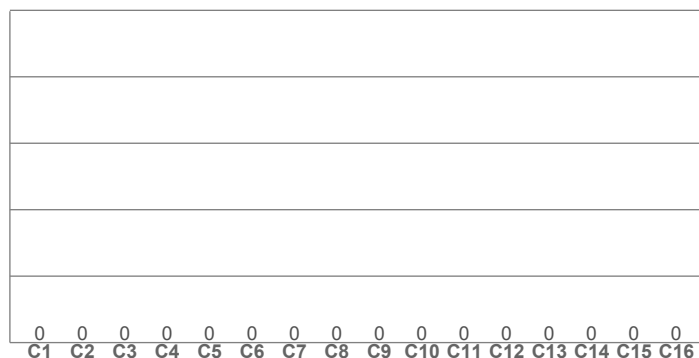


Power

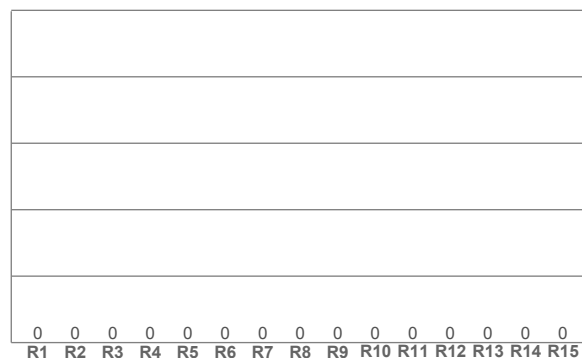




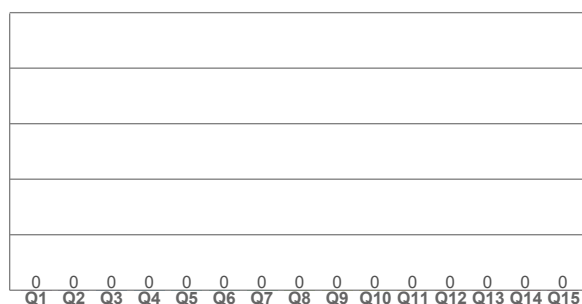
TM-30: 0.0



CRI: 0.0 (R1-R8)



CQS: 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

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	0.187	0.099	0.196	0.155	n/a

TM-30 details

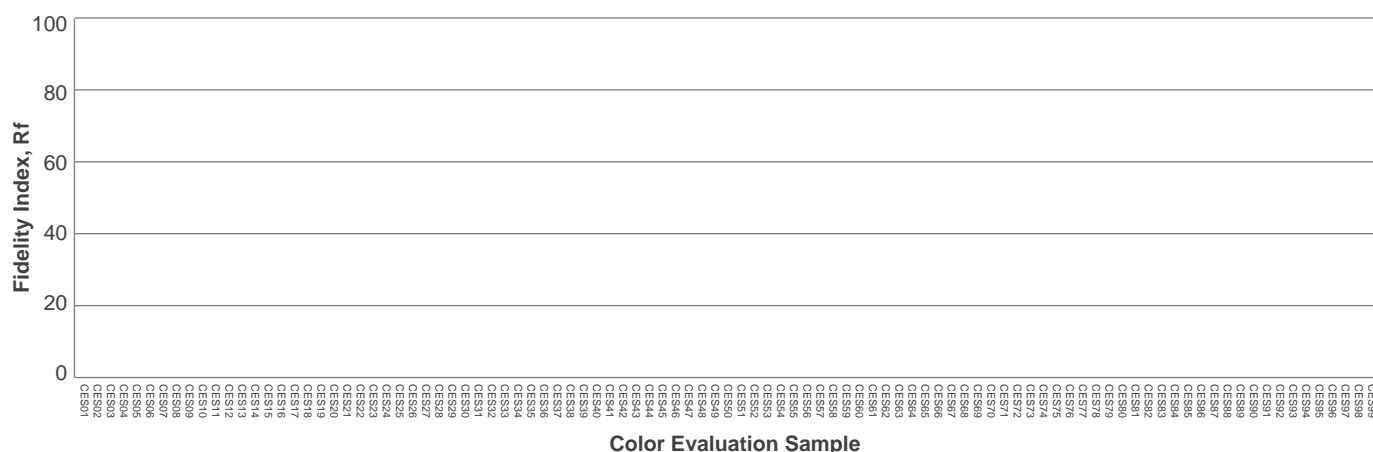
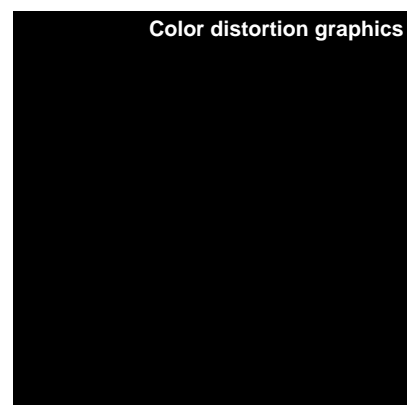
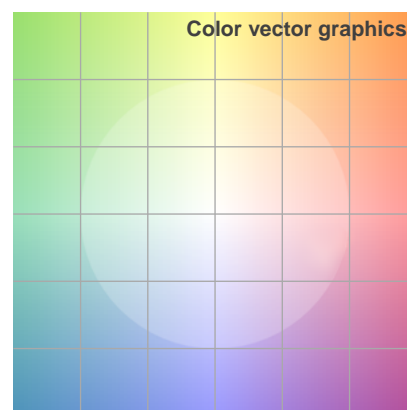
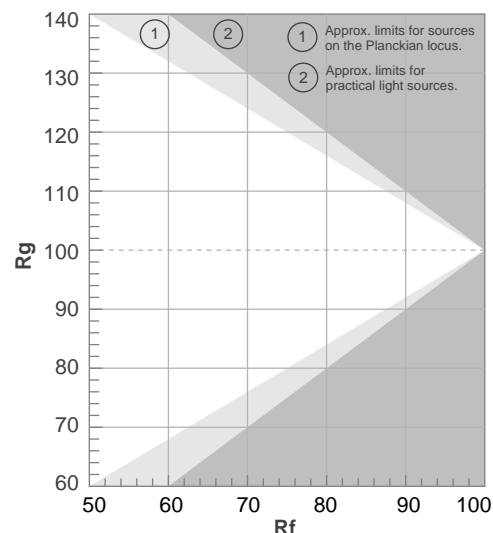
Rf 0.0

Fidelity index Rf

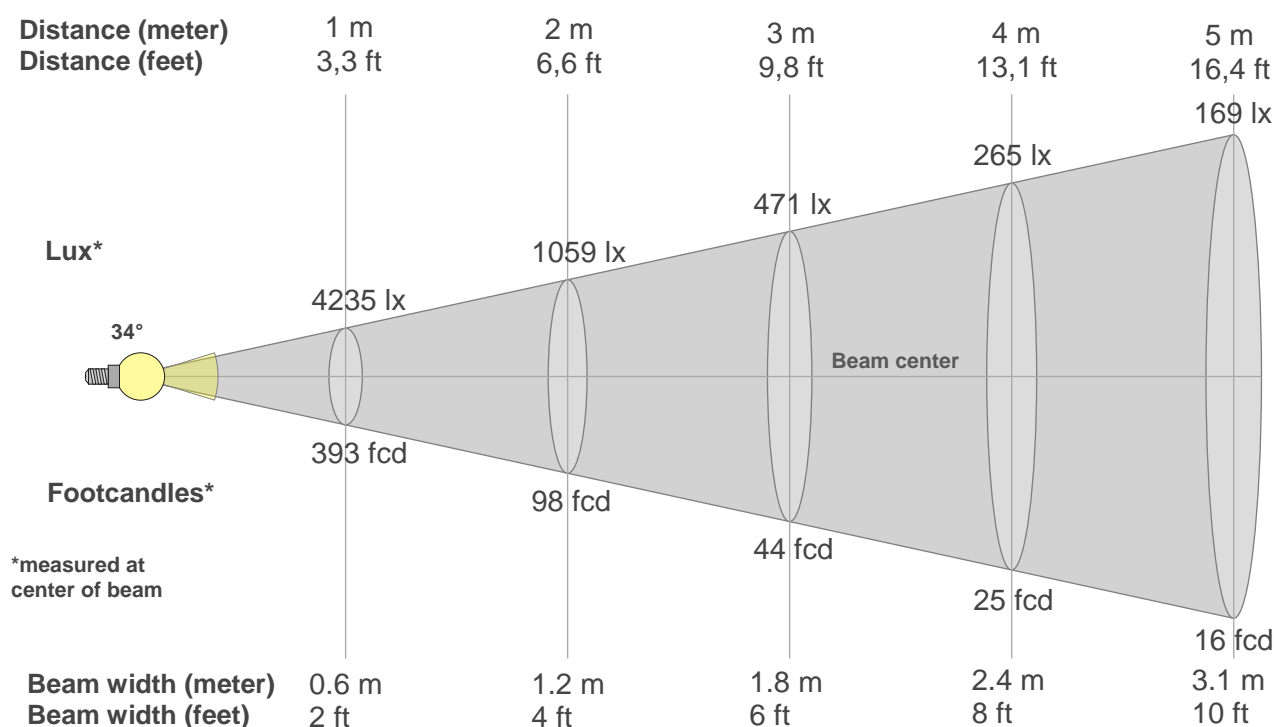
Rg 0.0

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
4235lx	1059lx	471lx	265lx	169lx	118lx	86lx	66lx	52lx	42lx	35lx	29lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
393.4fcd	98.4fcd	43.7fcd	24.6fcd	15.7fcd	10.9fcd	8fcd	6.1fcd	4.9fcd	3.9fcd	3.3fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd	1fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4235	3686	1889	720	431	436	409	420	416	423	397	409	407	417	421	414	421	428	425	427
100%	87%	45%	17%	10%	10%	10%	10%	10%	10%	9%	10%	10%	10%	10%	10%	10%	10%	10%	10%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4235	3686	1889	720	431	436	409	420	416	423	397	409	407	417	421	414	421	428	425	427
100%	87%	45%	17%	10%	10%	10%	10%	10%	10%	9%	10%	10%	10%	10%	10%	10%	10%	10%	10%

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4235	3686	1889	720	431	436	409	420	416	423	397	409	407	417	421	414	421	428	425	427
100%	87%	45%	17%	10%	10%	10%	10%	10%	10%	9%	10%	10%	10%	10%	10%	10%	10%	10%	10%

Intensities in 270° c-plane

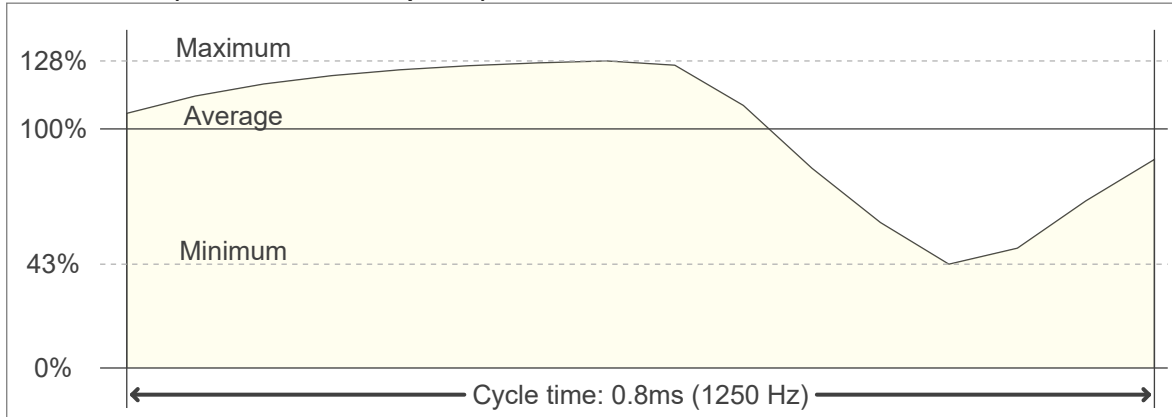
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
4235	3686	1889	720	431	436	409	420	416	423	397	409	407	417	421	414	421	428	425	427
100%	87%	45%	17%	10%	10%	10%	10%	10%	10%	9%	10%	10%	10%	10%	10%	10%	10%	10%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34°	359.6°	360°	38.6%	30.0%

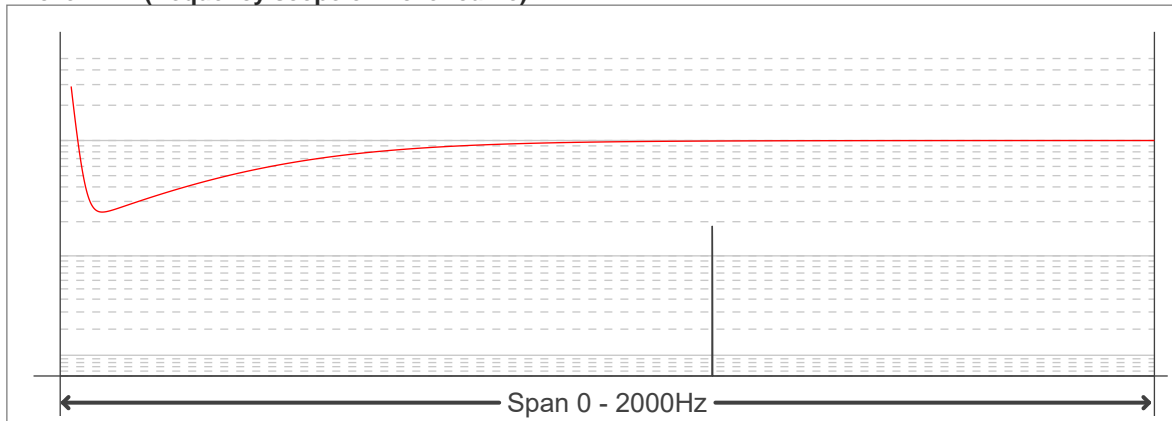
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1250 Hz	
Flicker index:	0.13	JA8/10 40Hz	0.47 %
Flicker percentage:	51.45 %	JA8/10 90Hz	1.05 %
SVM: (Visual flicker)	0.37	JA8/10 200Hz	2.29 %
PstLM	0	JA8/10 400Hz	4.46 %
Mp	0.09	JA8/10 1000Hz	11.5 %

Flicker conditions:

Sample rate:	20000 samples/second
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