

Light efficiency:



Light quality:



Color temperature:

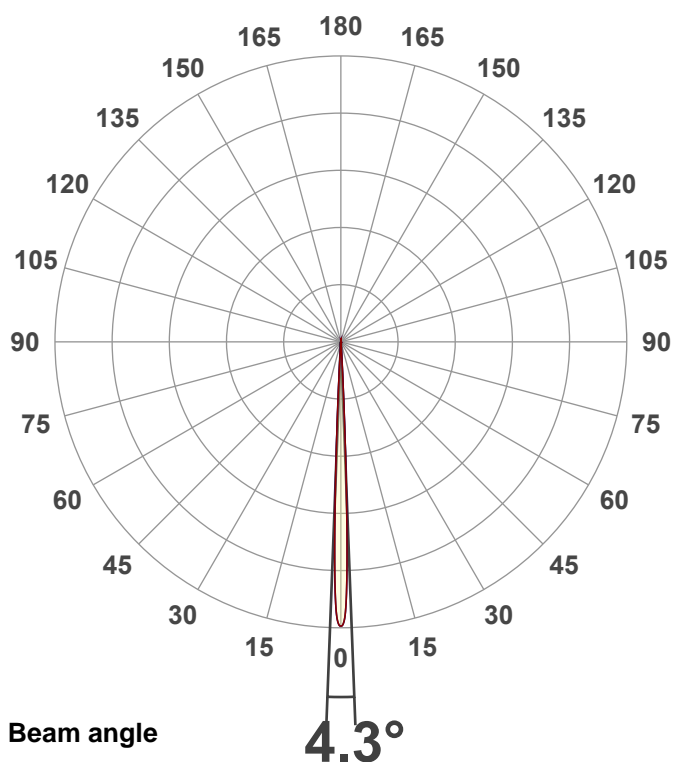


Output: 10261 lm
Peak: 887657 cd
Power: 535 W
PF: 1.0



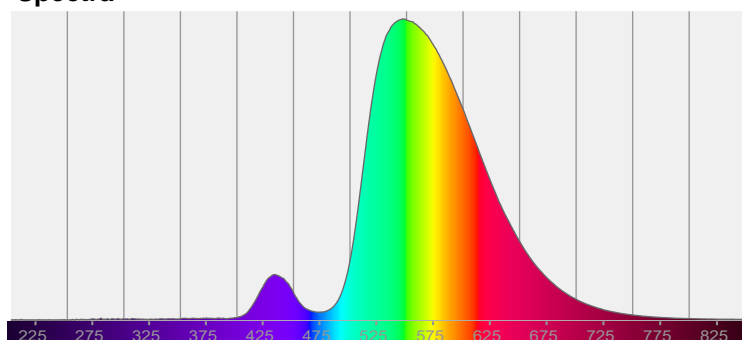
Product name:
Hydro Flex L19 (Zoom In Lime)
Item number:

Date and time:
9/6/2025 11:07:54 AM

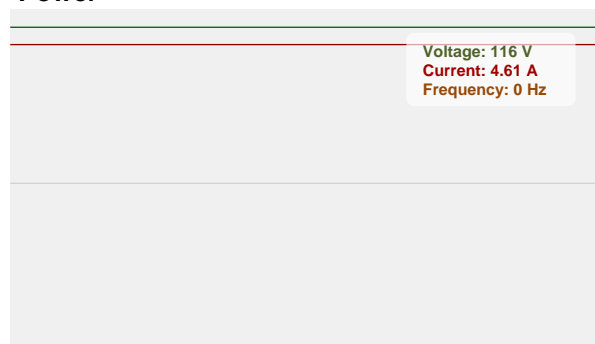


CIE 1931
x: 0.411
y: 0.518

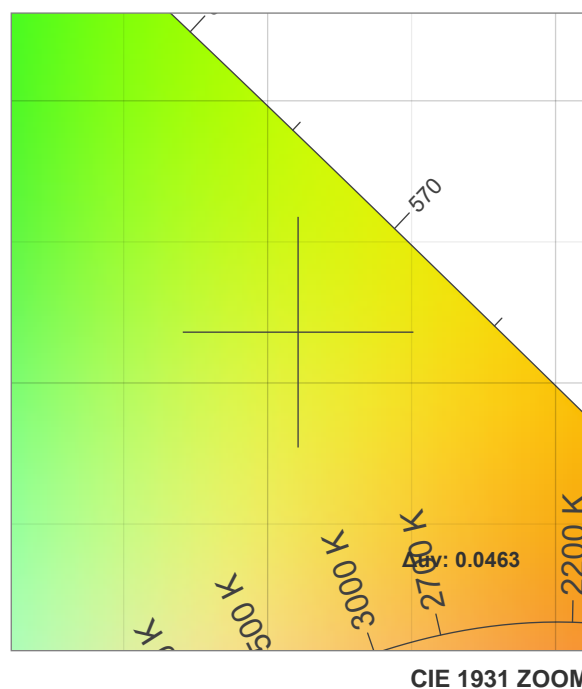
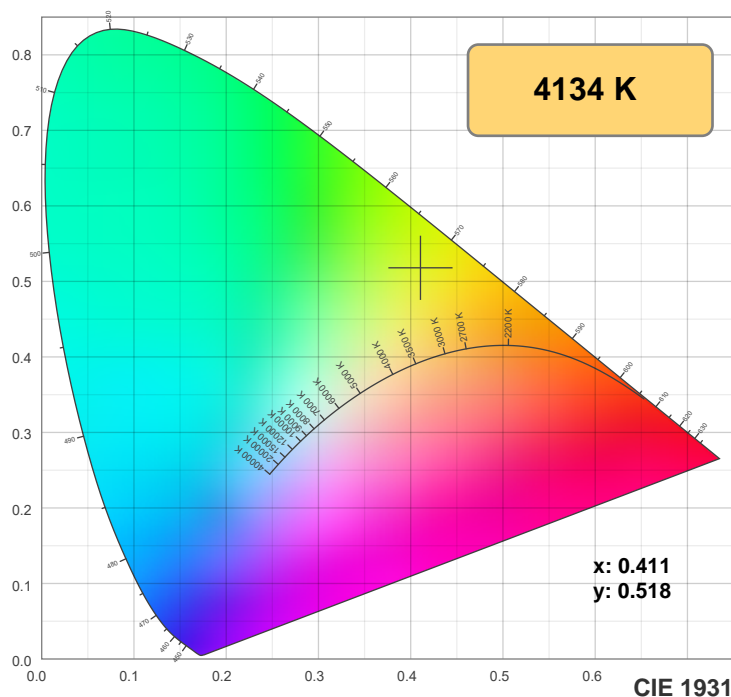
Spectra



Power

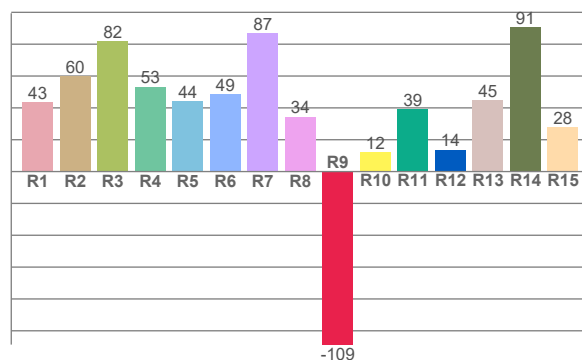
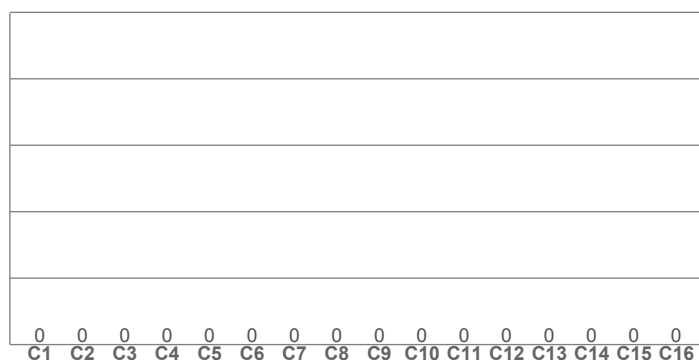


Color details



TM-30: 0.0

CRI: 56.6 (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
43.4	59.8	81.9	53.3	44.2	48.6	87.1	34.5	-108.7	12.2	39.4	13.8	45.0	90.8	27.9

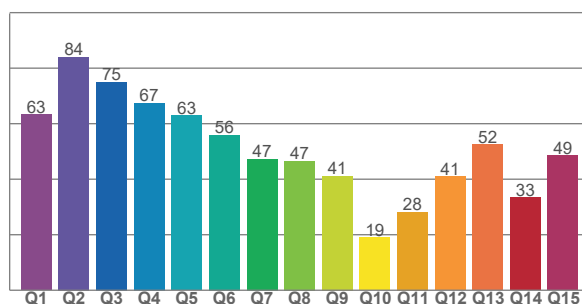
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
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
63.3	84.0	75.1	67.5	62.9	56.0	47.3	46.6	41.2	19.0	28.3	41.0	52.5	33.4	48.5

CQS: 48.0



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
4134 K	56.6	-108.7	0.0	n/a	48.0	0.411	0.518	0.196	0.370	0.0463

TM-30 details

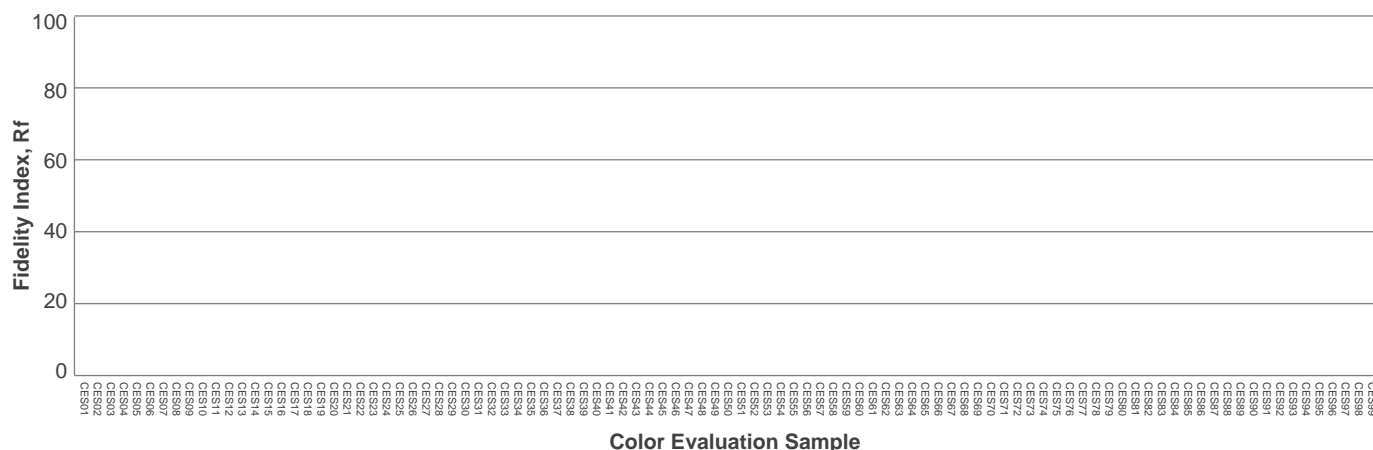
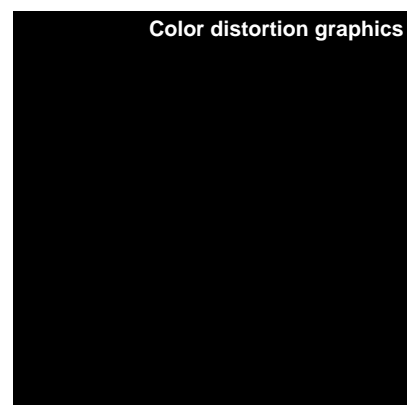
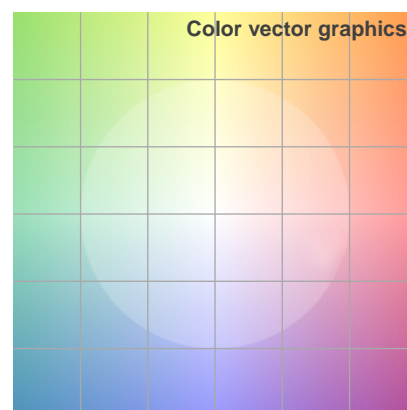
Rf 0.0

Fidelity index Rf

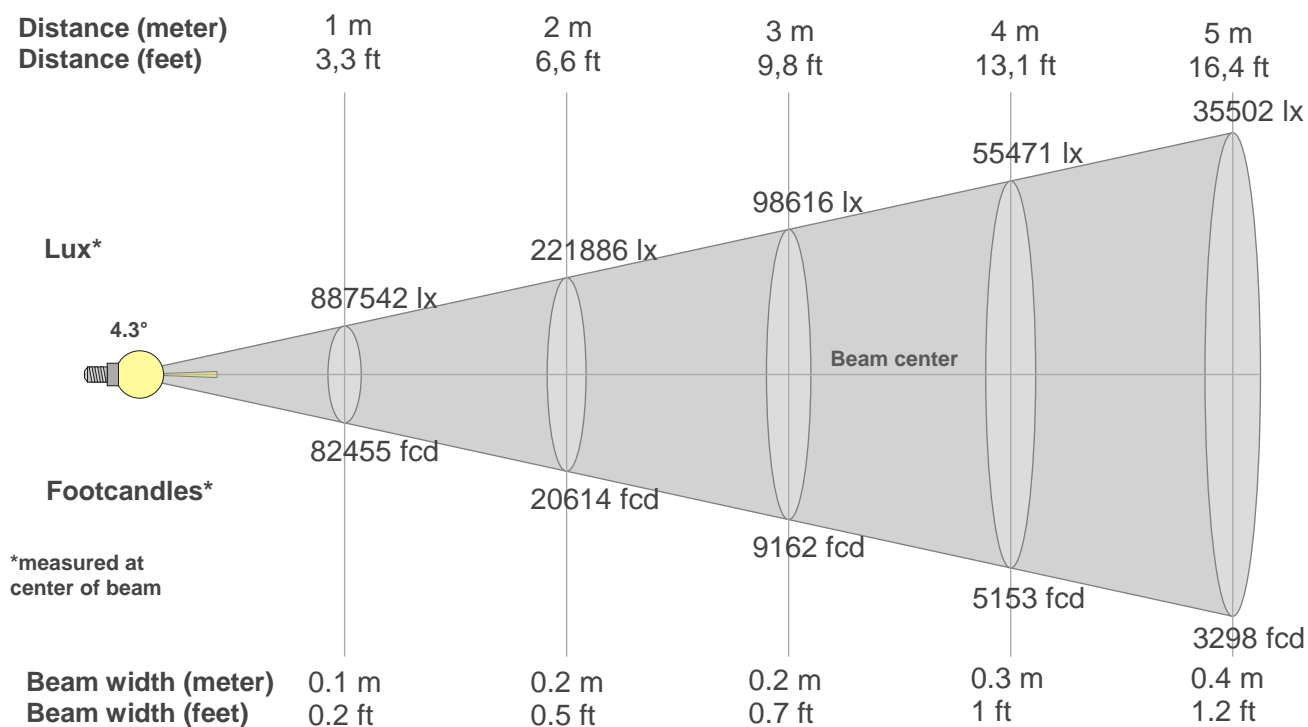
Rg n/a

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
887542lx	221886lx	98616lx	55471lx	35502lx	24654lx	18113lx	13868lx	10957lx	8875lx	7335lx	6163lx	5252lx	4528lx	3945lx	3467lx	3071lx	2739lx	2459lx	2219lx
82455.4 fcd	20613.8 fcd	9161.7 fcd	5153.5 fcd	3298.2 fcd	2290.4 fcd	1682.8 fcd	1288.4 fcd	1018 fcd	824.6 fcd	681.4 fcd	572.6 fcd	487.9 fcd	420.7 fcd	366.5 fcd	322.1 fcd	285.3 fcd	254.5 fcd	228.4 fcd	206.1 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°
888k	839k	521k	130k	12k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	95%	59%	15%	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°
888k	839k	521k	130k	12k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	95%	59%	15%	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°
888k	839k	521k	130k	12k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	95%	59%	15%	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°
888k	839k	521k	130k	12k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	95%	59%	15%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

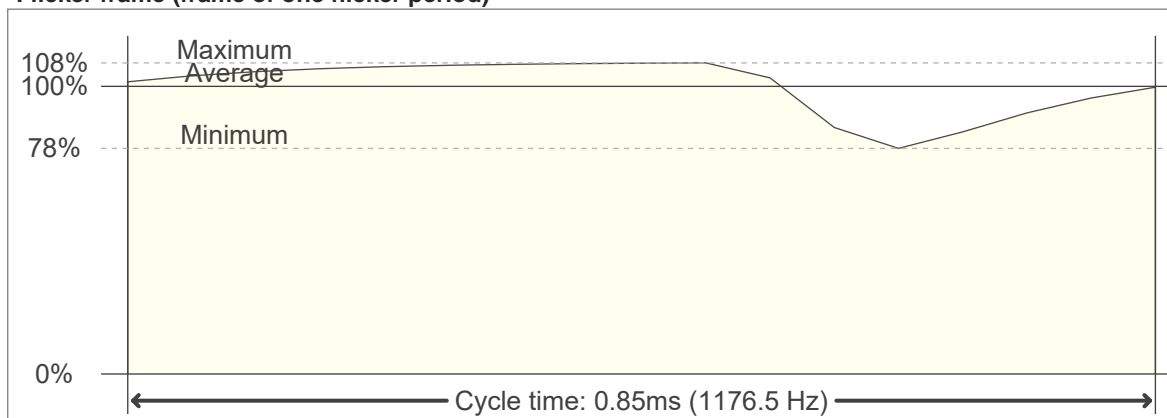
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4.3°	6.4°	7.5°	60.4%	54.2%

Flicker

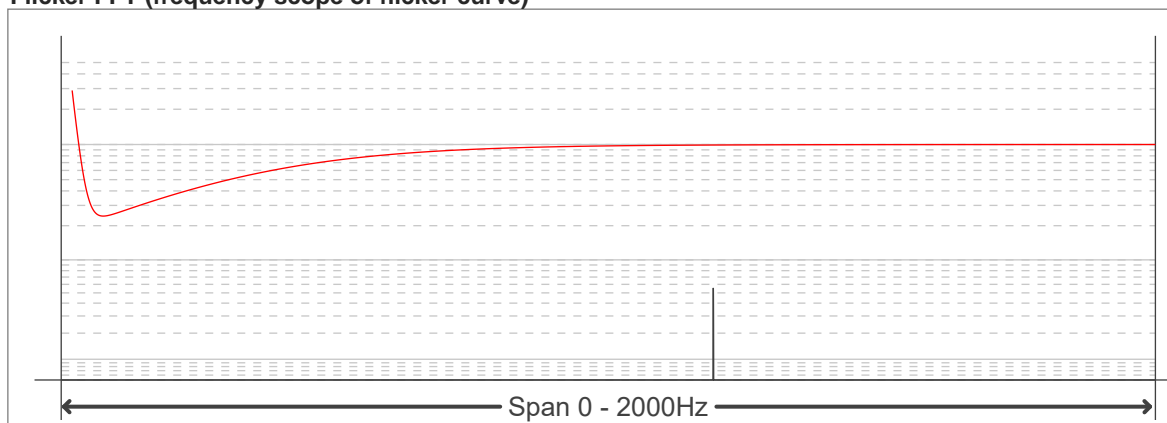
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.04	JA8/10 40Hz	0.2 %
Flicker percentage:	23.9 %	JA8/10 90Hz	0.21 %
SVM: (Visual flicker)	0.11	JA8/10 200Hz	0.34 %
PstLM	0	JA8/10 400Hz	0.56 %
Mp	0.05	JA8/10 1000Hz	0.85 %

Flicker conditions:

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