

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 17784 lm

Peak: 255140 cd

Power: 459 W

PF: 1.0



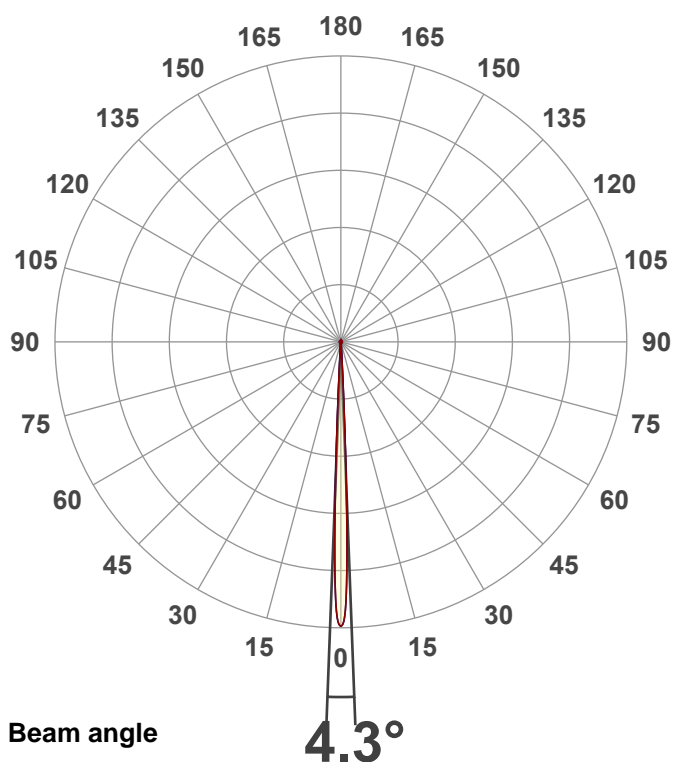
Product name:

Hydro Flex L19 (Zoom In Red)

Item number:

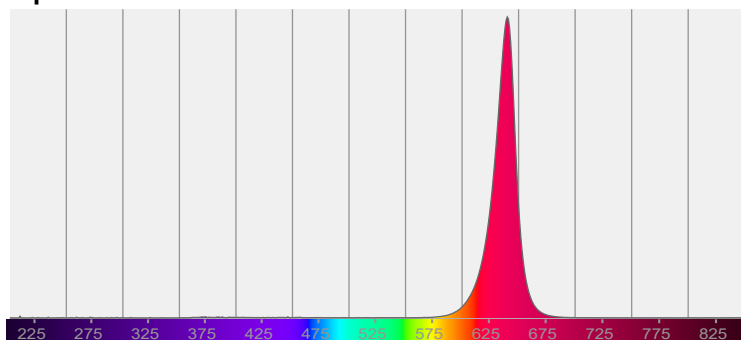
Date and time:

9/6/2025 8:41:44 AM



CIE 1931
x: 0.694
y: 0.297

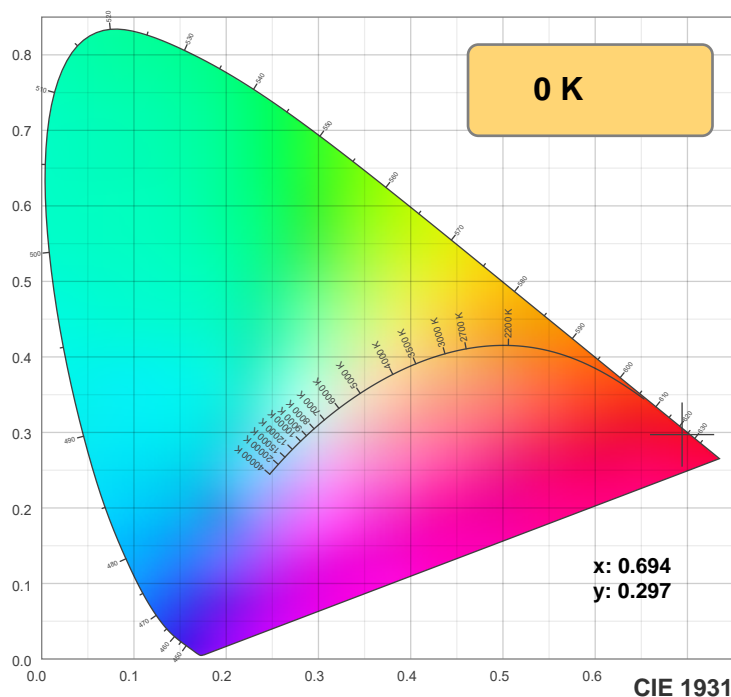
Spectra



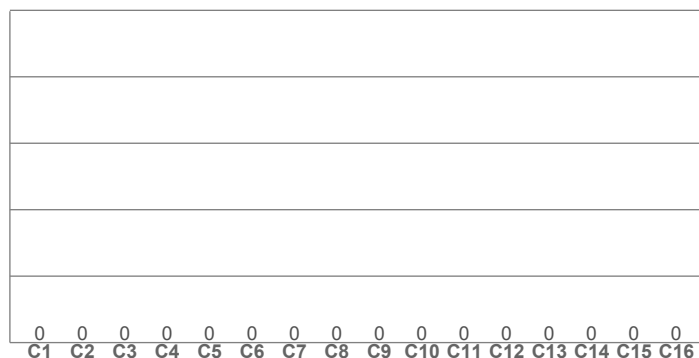
Power

Voltage: 116 V
Current: 3.96 A
Frequency: 0 Hz

Color details



TM-30: 0.0



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

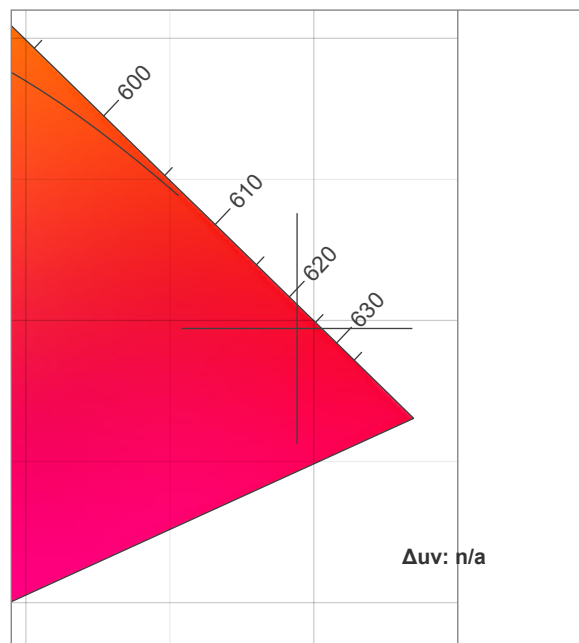
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

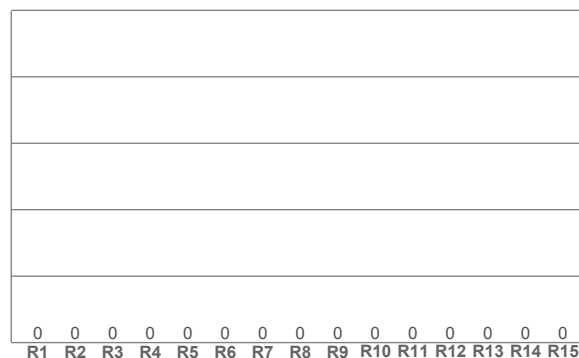
CQS Q values

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

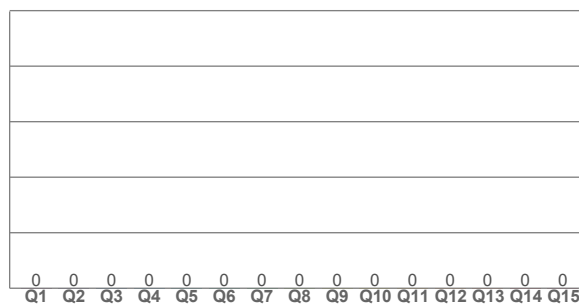


CIE 1931 ZOOM

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	0.694	0.297	0.536	0.344	n/a

TM-30 details

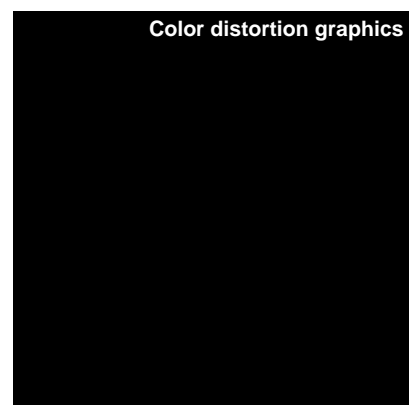
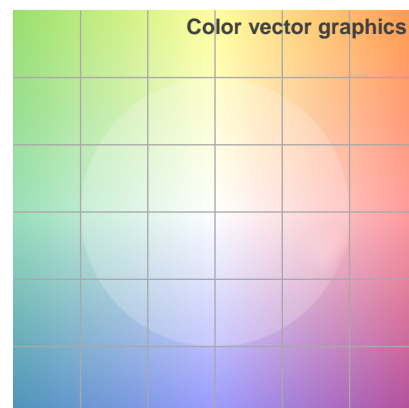
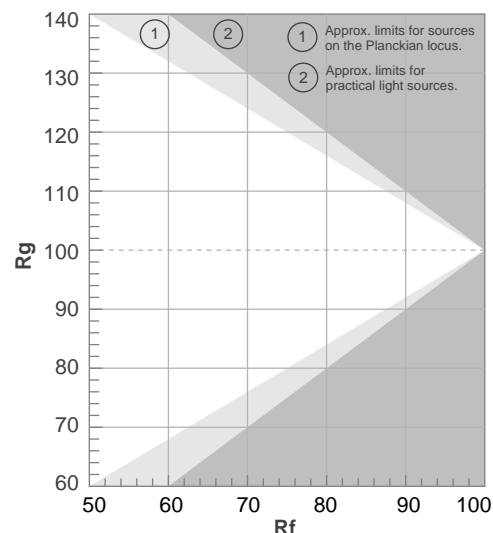
Rf 0.0

Fidelity index Rf

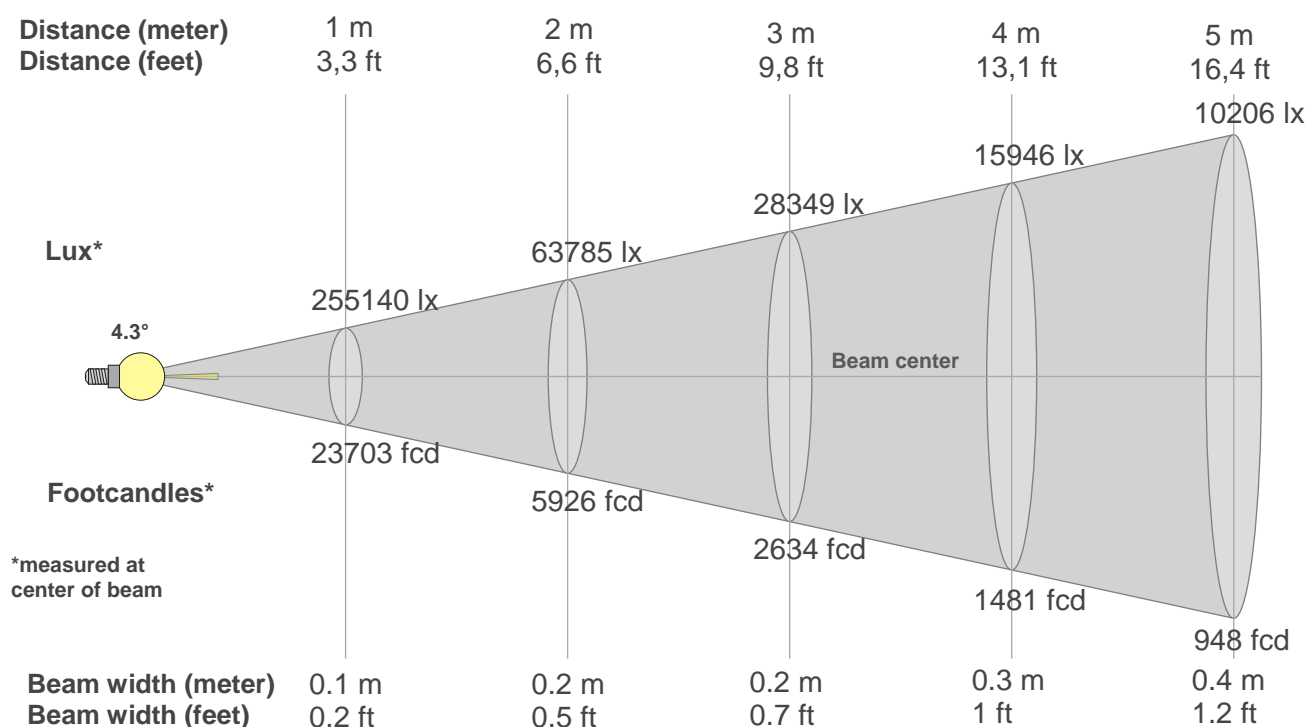
Rg 0.0

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
255140lx	63785lx	28349lx	15946lx	10206lx	7087lx	5207lx	3987lx	3150lx	2551lx	2109lx	1772lx	1510lx	1302lx	1134lx	997lx	883lx	787lx	707lx	638lx
23703.3 fcd	5925.8 fcd	2633.7 fcd	1481.5 fcd	948.1 fcd	658.4 fcd	483.7 fcd	370.4 fcd	292.6 fcd	237 fcd	195.9 fcd	164.6 fcd	140.3 fcd	120.9 fcd	105.3 fcd	92.6 fcd	82 fcd	73.2 fcd	65.7 fcd	59.3 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°
255k	239k	148k	40k	5k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	94%	58%	16%	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°
255k	239k	148k	40k	5k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	94%	58%	16%	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°
255k	239k	148k	40k	5k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	94%	58%	16%	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°
255k	239k	148k	40k	5k	2k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	94%	58%	16%	2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

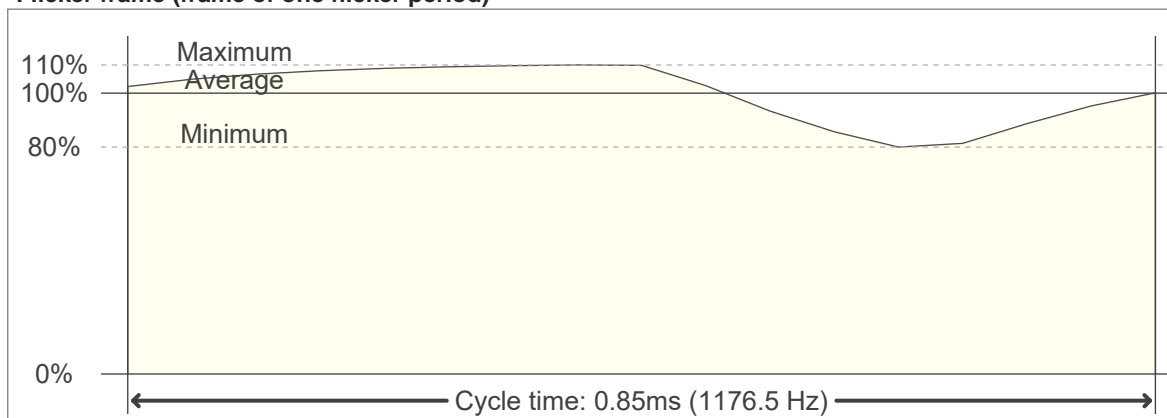
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4.3°	6.5°	7.8°	30.9%	21.3%

Flicker

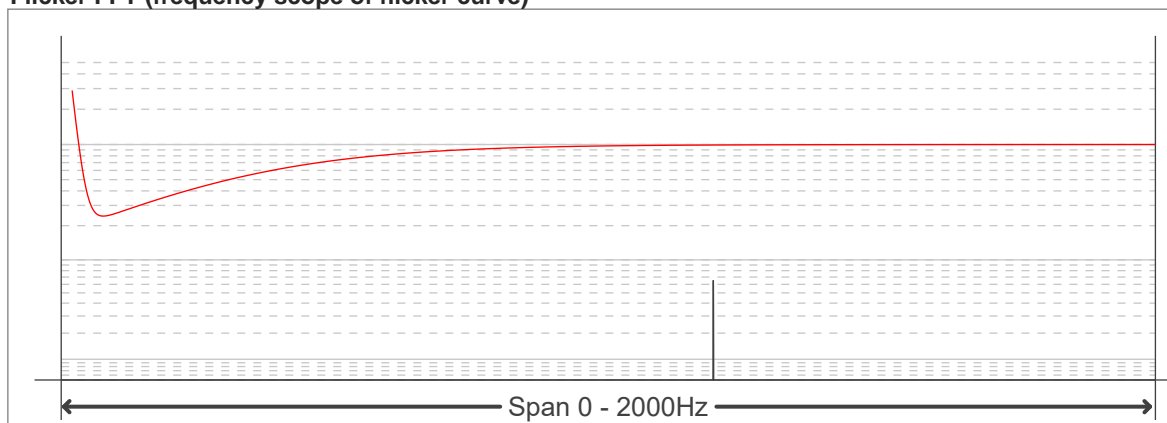
Flicker curve (complete sampled flicker signal)



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	0.13 %
Flicker percentage:	16.3 %	JA8/10 90Hz	0.14 %
SVM: (Visual flicker)	0.13	JA8/10 200Hz	0.17 %
PstLM	0	JA8/10 400Hz	0.31 %
Mp	0.06	JA8/10 1000Hz	1.49 %

Flicker conditions:

Sample rate:	20000 samples/second
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