

Light efficiency:

51 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 9104 lm

Peak: 109670 cd

Power: 178.5 W

PF: 1.0



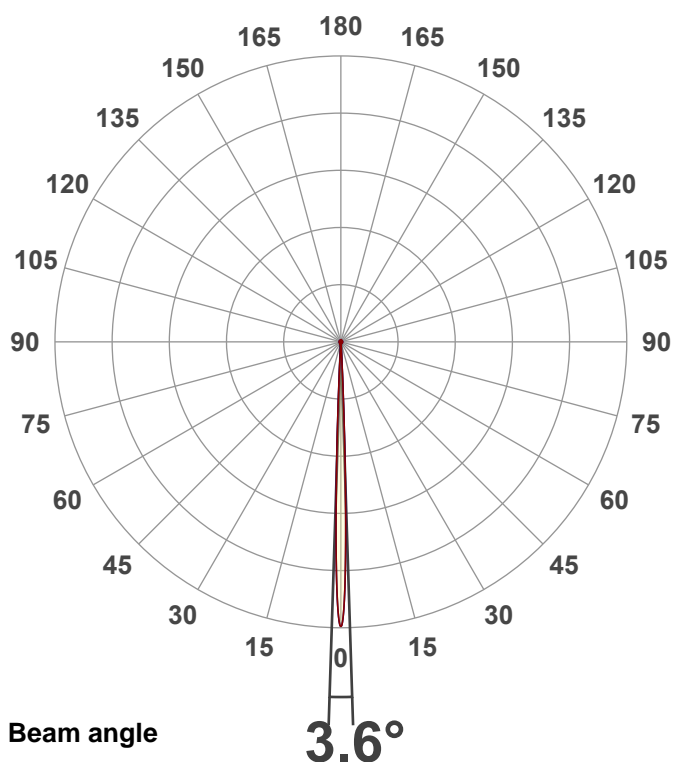
Product name:

Hydro Flex L7 (Zoom In Red)

Item number:

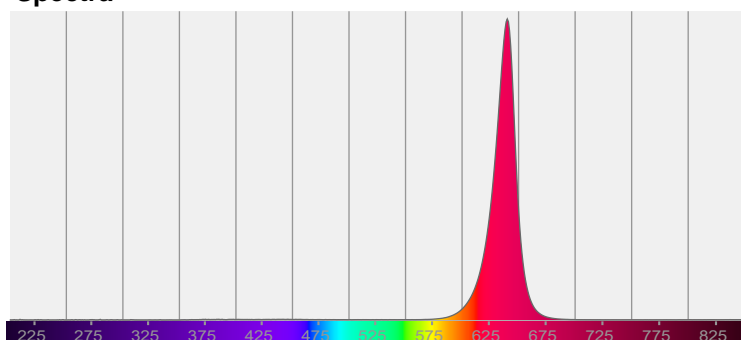
Date and time:

8/22/2025 1:50:03 PM



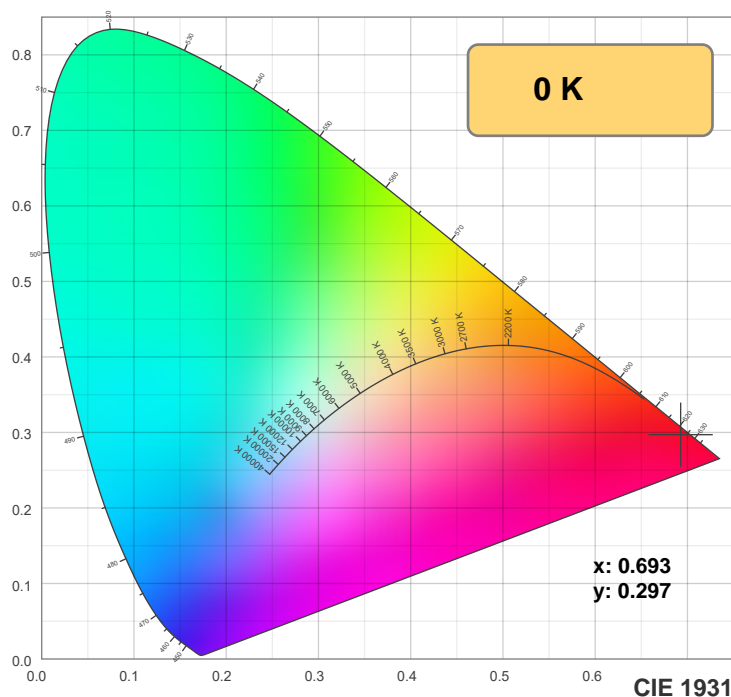
CIE 1931
x: 0.693
y: 0.297

Spectra

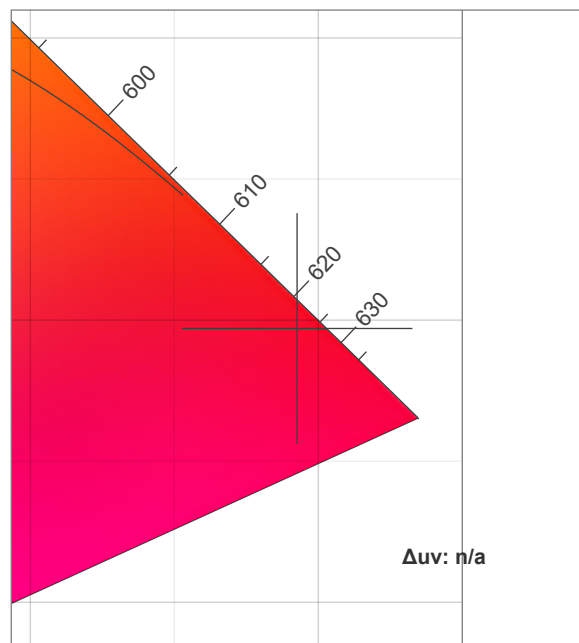
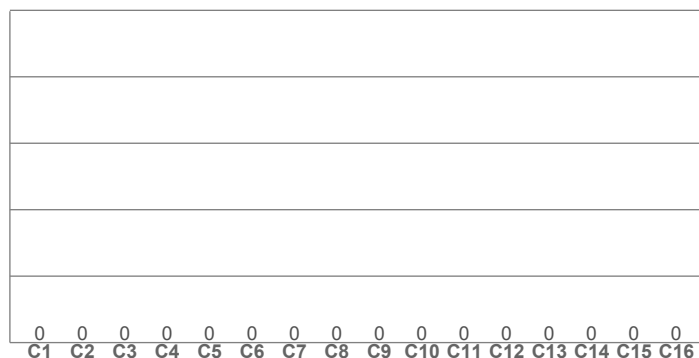


Power

Voltage: 116 V
Current: 1.54 A
Frequency: 0 Hz

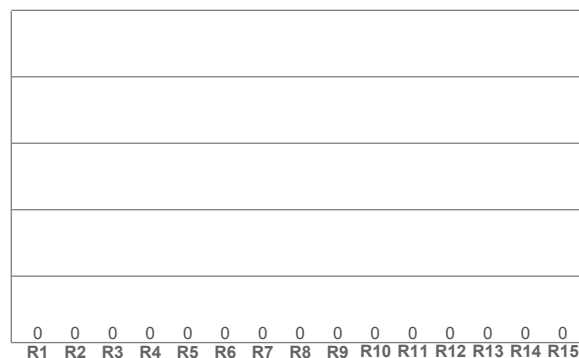


TM-30: 0.0

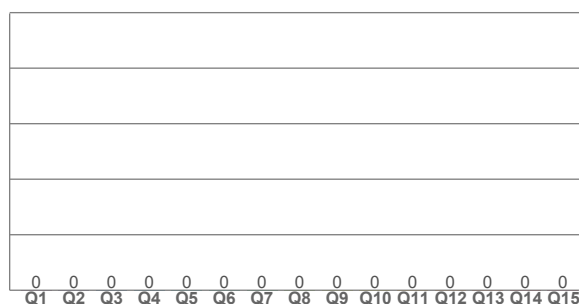


CIE 1931 ZOOM

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	0.693	0.297	0.535	0.344	n/a

TM-30 details

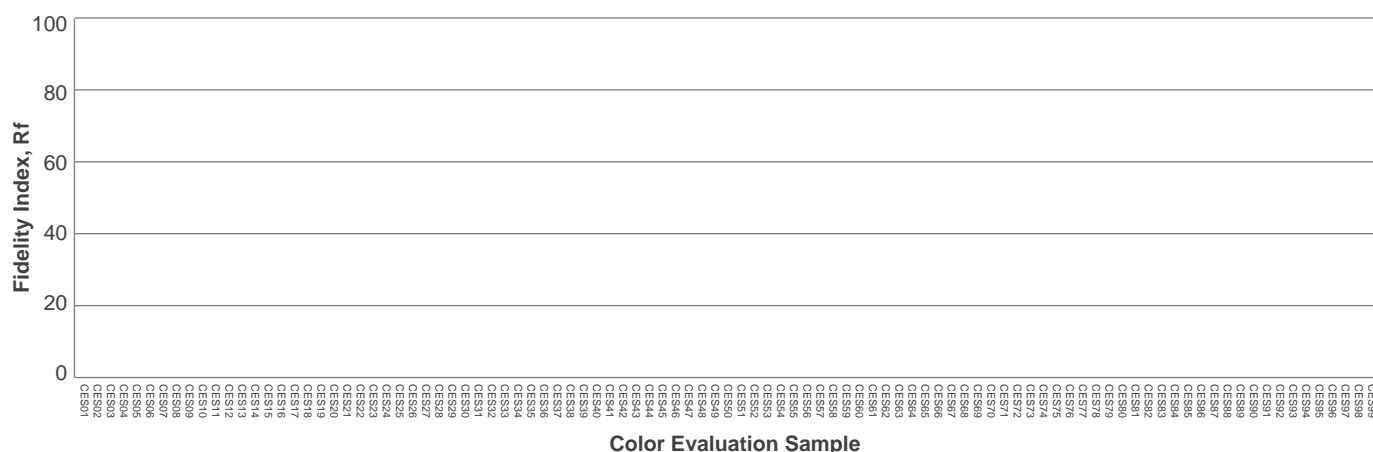
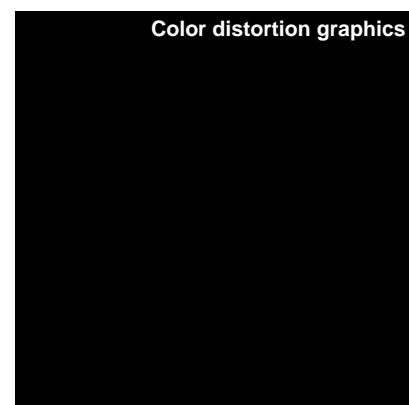
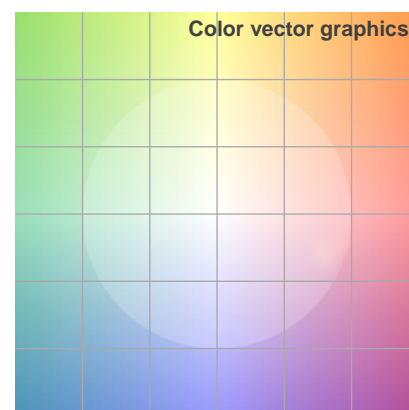
Rf 0.0

Fidelity index Rf

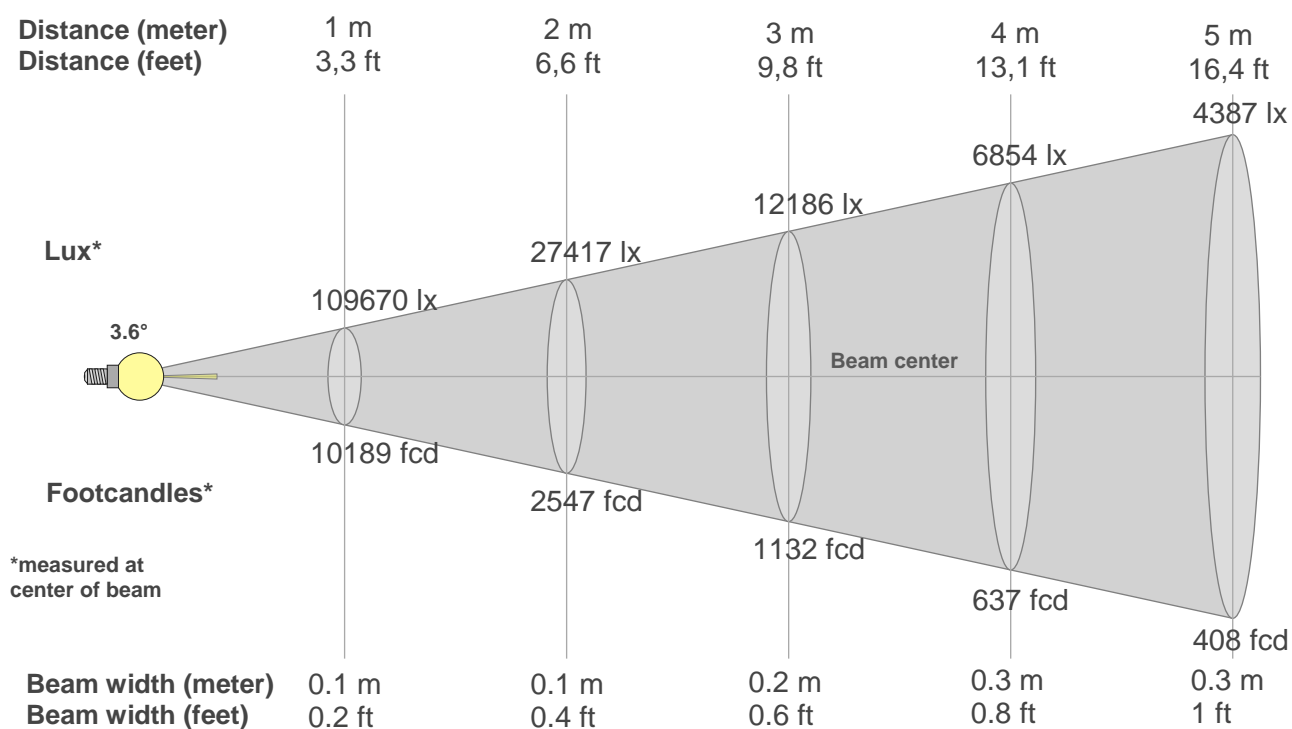
Rg 0.0

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
109670lx	27417lx	12186lx	6854lx	4387lx	3046lx	2238lx	1714lx	1354lx	1097lx	906lx	762lx	649lx	560lx	487lx	428lx	379lx	338lx	304lx	274lx
10188.7 fcd	2547.2 fcd	1132.1 fcd	636.8 fcd	407.5 fcd	283 fcd	207.9 fcd	159.2 fcd	125.8 fcd	101.9 fcd	84.2 fcd	70.8 fcd	60.3 fcd	52 fcd	45.3 fcd	39.8 fcd	35.3 fcd	31.4 fcd	28.2 fcd	25.5 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°
110k	93k	46k	8k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	84%	42%	8%	1%	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°
110k	93k	46k	8k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	84%	42%	8%	1%	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°
110k	93k	46k	8k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	84%	42%	8%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

Intensities in 270° c-plane

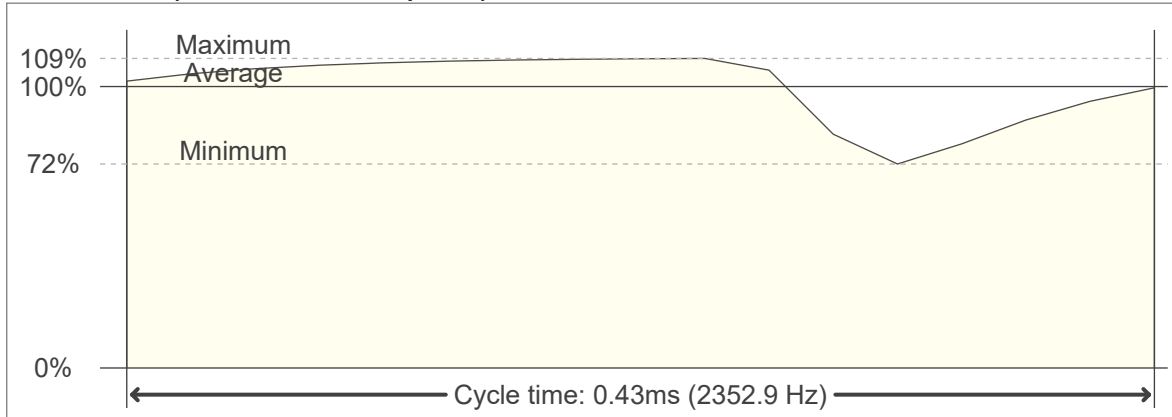
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
110k	93k	46k	8k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
100%	84%	42%	8%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
3.6°	5.8°	6.9°	28.6%	18.7%

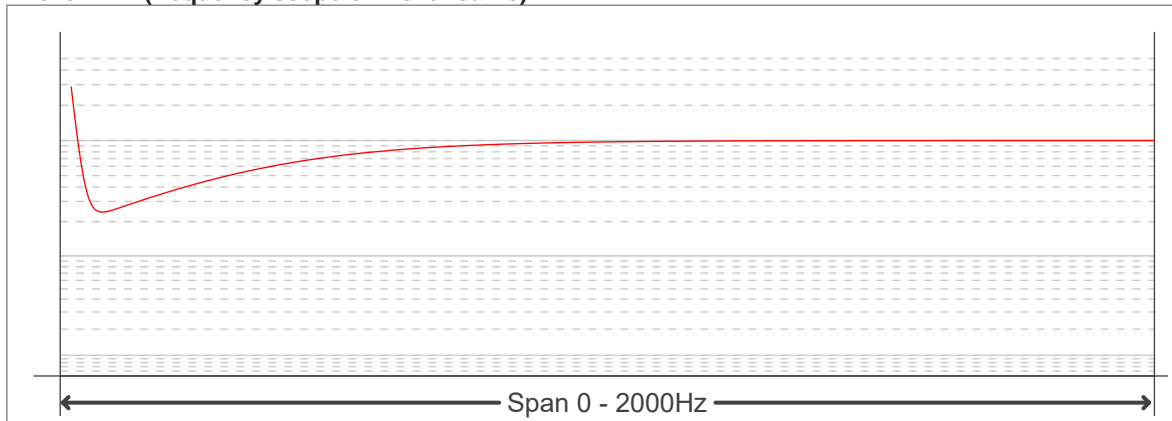
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		2352.94 Hz	
Flicker index:	0.05	JA8/10 40Hz	0.09 %
Flicker percentage:	21.09 %	JA8/10 90Hz	0.17 %
SVM: (Visual flicker)	0	JA8/10 200Hz	0.3 %
PstLM	0	JA8/10 400Hz	0.58 %
Mp	n/a	JA8/10 1000Hz	1.4 %

Flicker conditions:

Sample rate:	40000 samples/second
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