

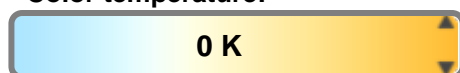
Light efficiency:



Light quality:



Color temperature:

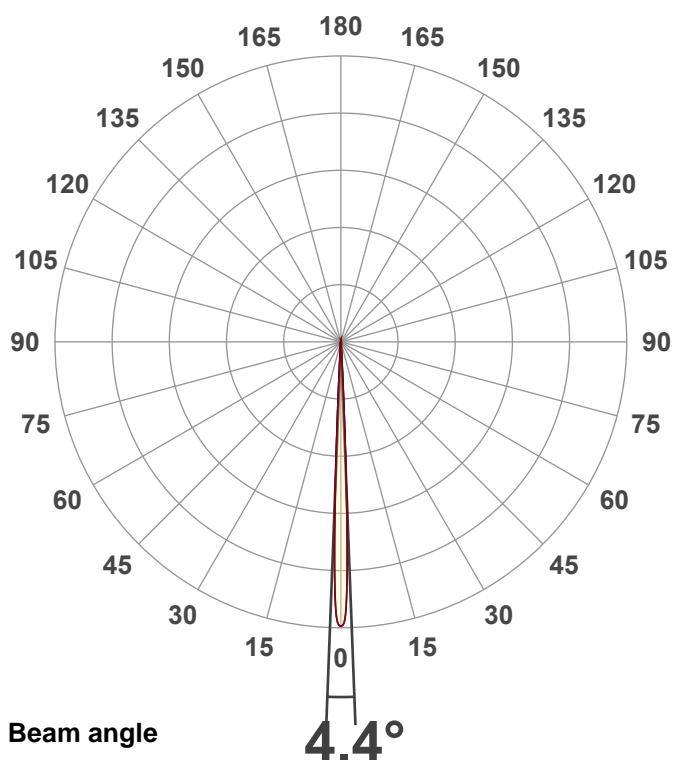


Output: 7766 lm
Peak: 477981 cd
Power: 424 W
PF: 1.0



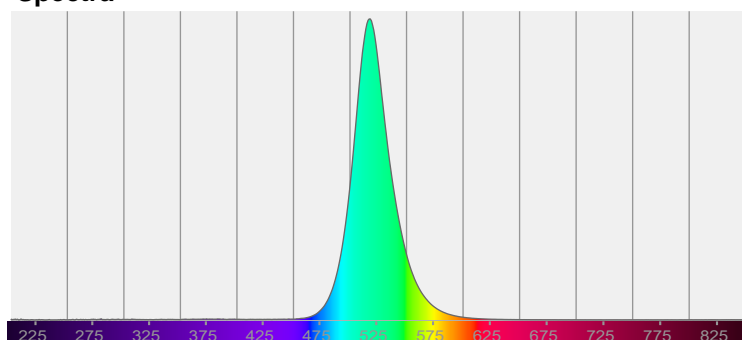
Product name:
Hydro Flex L19 (Zoom In Green)
Item number:

Date and time:
9/6/2025 9:49:06 AM

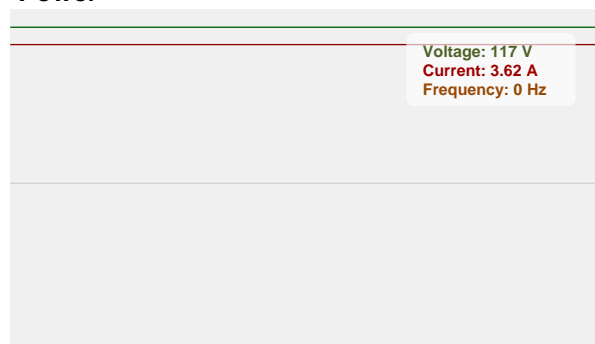


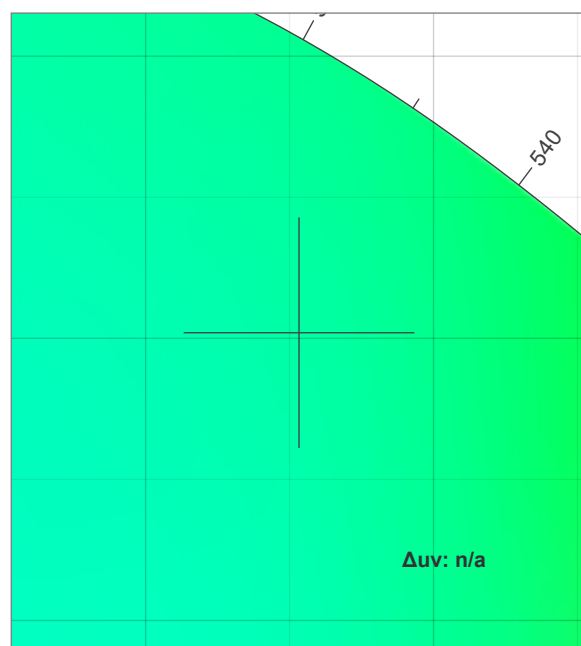
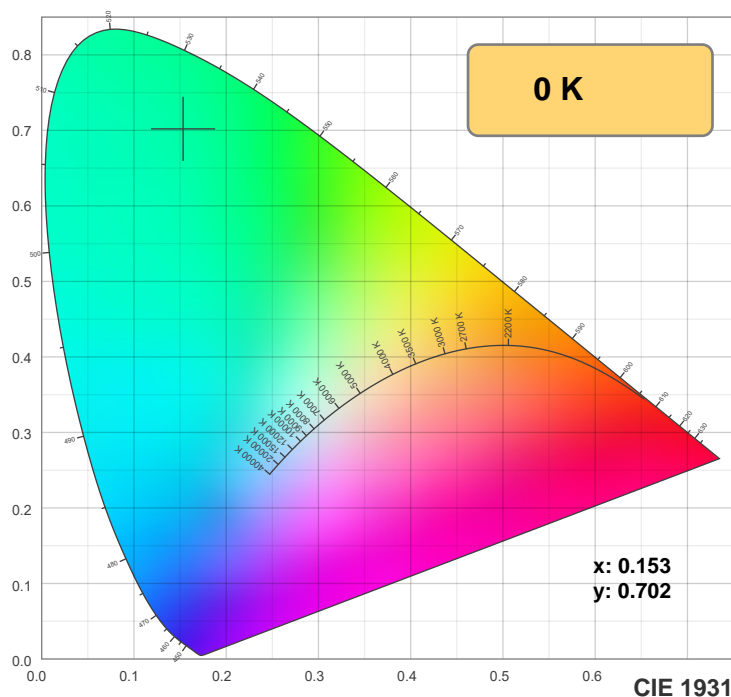
CIE 1931
x: 0.153
y: 0.702

Spectra



Power

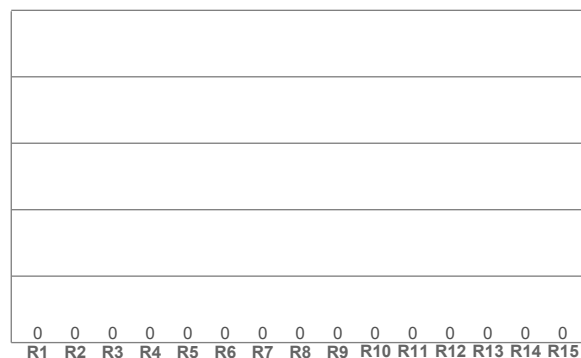
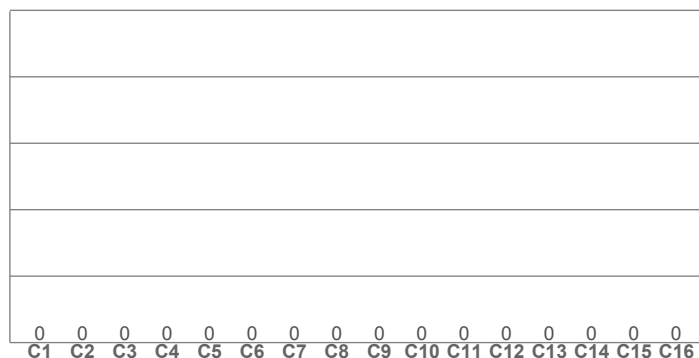




CIE 1931 ZOOM

TM-30: 0.0

CRI: 0.0 (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
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

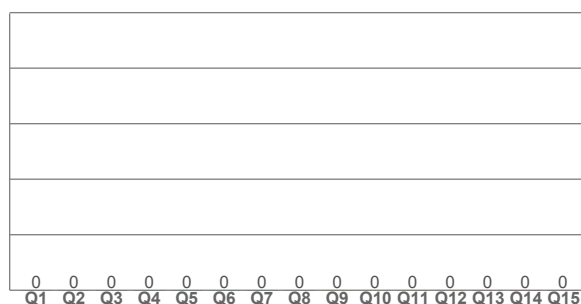
TM30 C values, 16 binned values out of total of 99 C values

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

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	0.153	0.702	0.055	0.379	n/a

TM-30 details

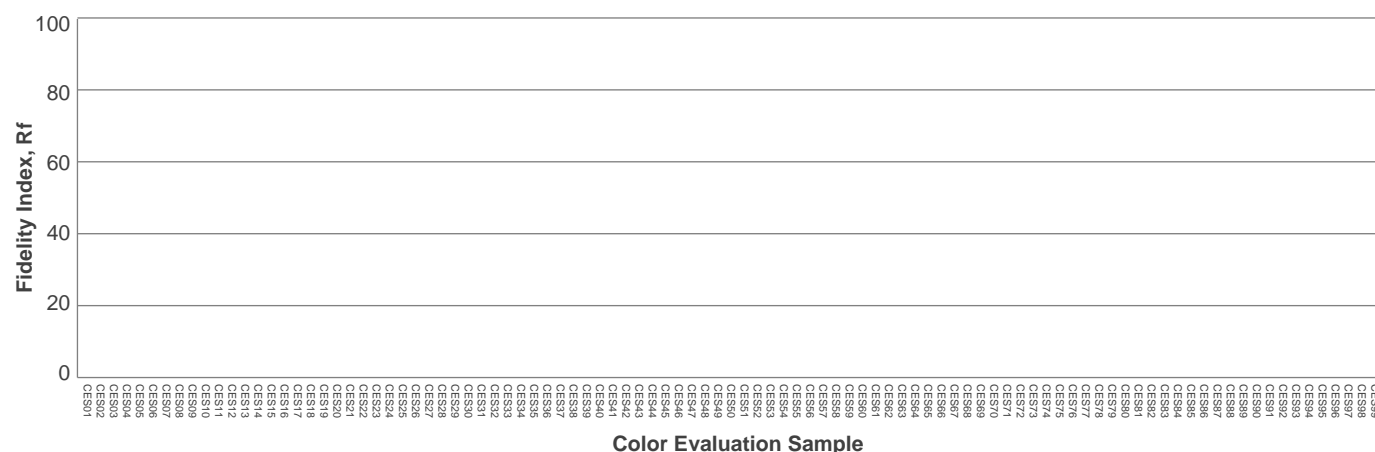
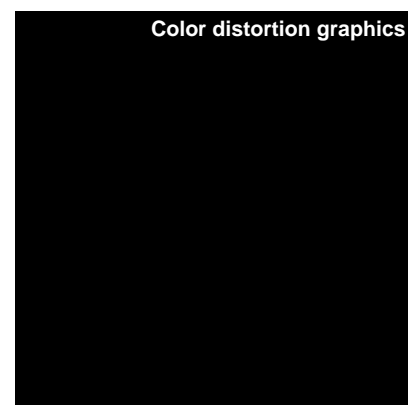
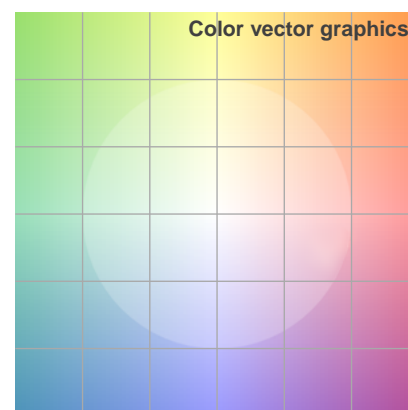
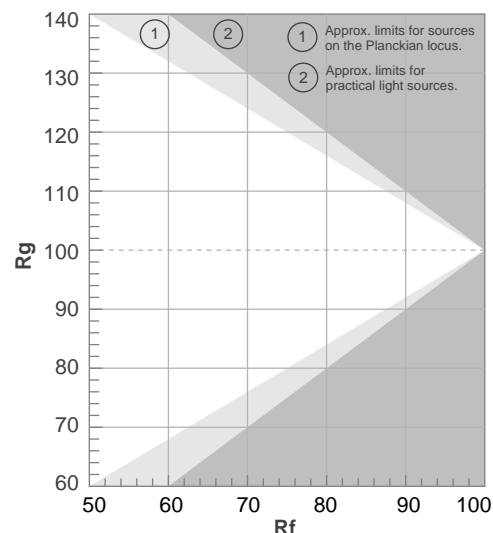
Rf 0.0

Fidelity index Rf

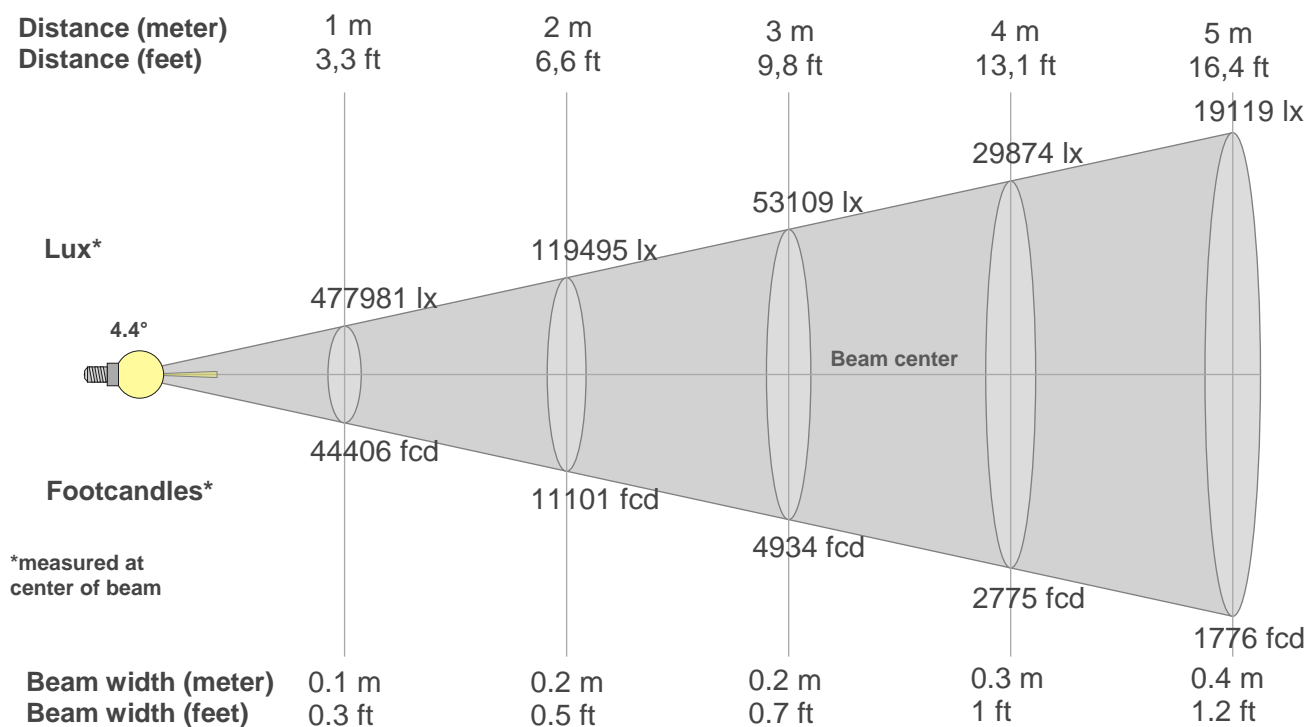
Rg 0.0

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
477981lx	119495lx	53109lx	29874lx	19119lx	13277lx	9755lx	7468lx	5901lx	4780lx	3950lx	3319lx	2828lx	2439lx	2124lx	1867lx	1654lx	1475lx	1324lx	1195lx
44405.9 fcd	11101.5 fcd	4934 fcd	2775.4 fcd	1776.2 fcd	1233.5 fcd	906.2 fcd	693.8 fcd	548.2 fcd	444.1 fcd	367 fcd	308.4 fcd	262.8 fcd	226.6 fcd	197.4 fcd	173.5 fcd	153.7 fcd	137.1 fcd	123 fcd	111 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°
478k	457k	285k	67k	6k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	0k	0k	0k	0k	0k
100%	96%	60%	14%	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°
478k	457k	285k	67k	6k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	0k	0k	0k	0k	0k
100%	96%	60%	14%	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°
478k	457k	285k	67k	6k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	0k	0k	0k	0k	0k
100%	96%	60%	14%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° c-plane

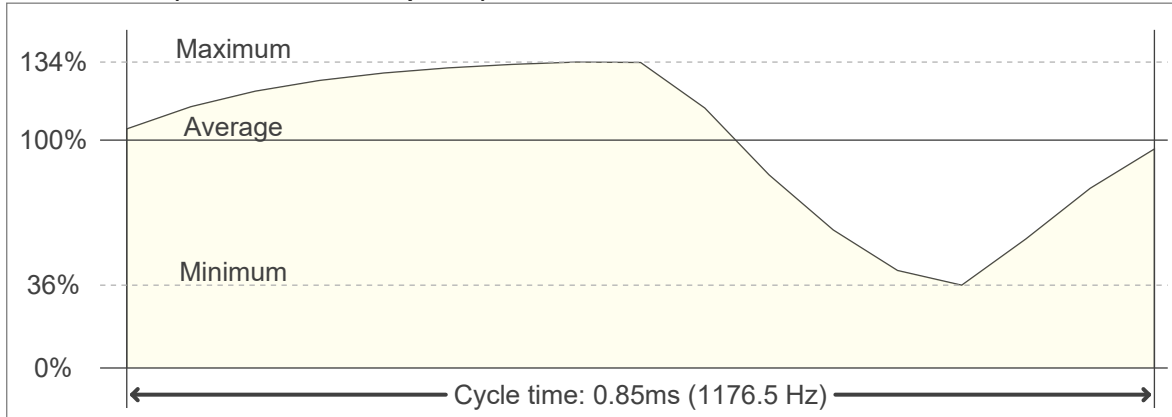
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
478k	457k	285k	67k	6k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	0k	0k	0k	0k	0k
100%	96%	60%	14%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4.4°	6.3°	7.4°	50.0%	42.9%

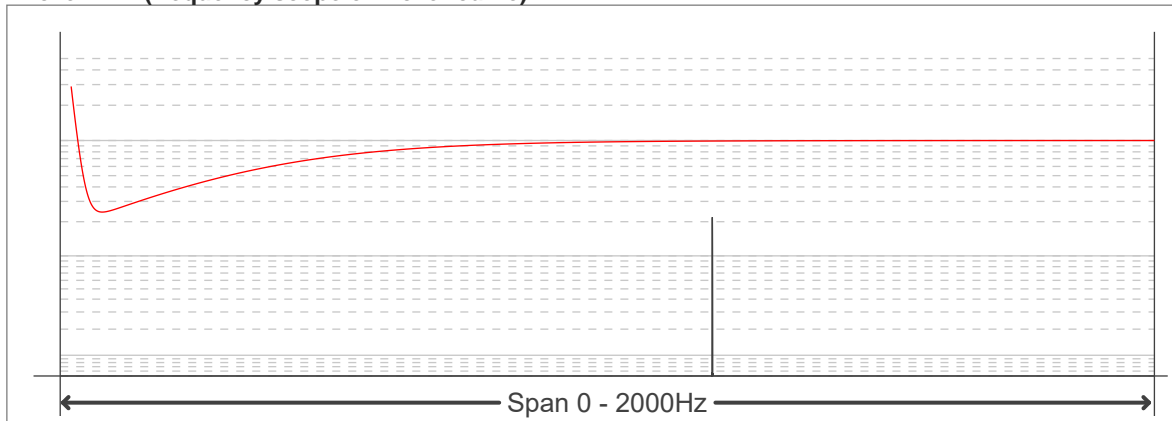
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.14	JA8/10 40Hz	0.63 %
Flicker percentage:	59.52 %	JA8/10 90Hz	1.37 %
SVM: (Visual flicker)	0.44	JA8/10 200Hz	3 %
PstLM	0	JA8/10 400Hz	5.82 %
Mp	0.12	JA8/10 1000Hz	14.65 %

Flicker conditions:

Sample rate:	20000 samples/second
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