

Hydro Beam X7

Light Efficiency:

7 Lumen/Watt

Light Quality:

CRI: 0.0

Color Temperature:

0 K

Output: 1893 lm

Peak: 138591 cd

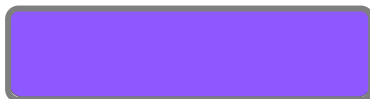
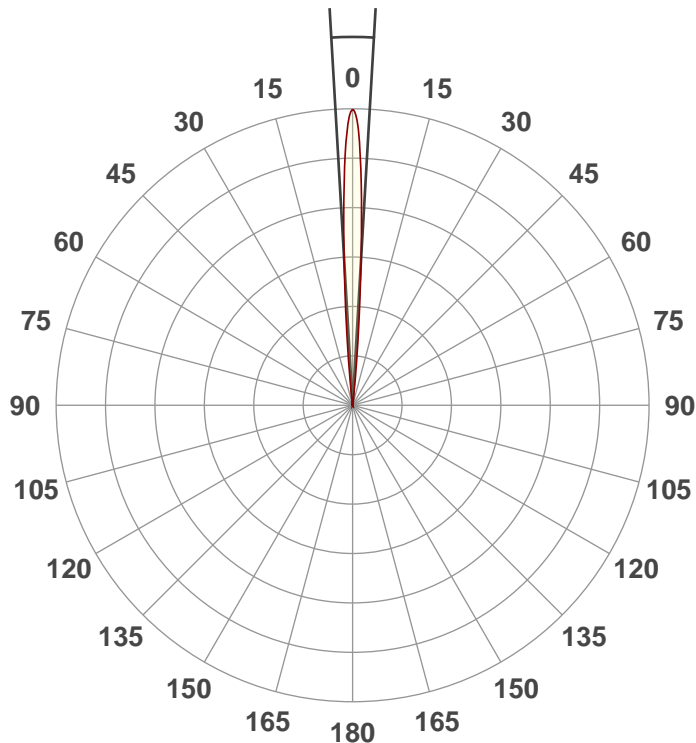
Power: 260.6 W

PF: 1.0



Beam Angle

6.6°



CIE 1931
x: 0.232
y: 0.166

Product Name:

Hydro Beam X7

Test:

Zoom In Full On

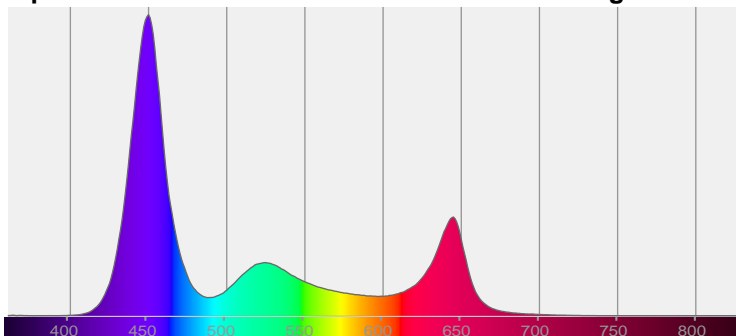
Date:

6/20/2019

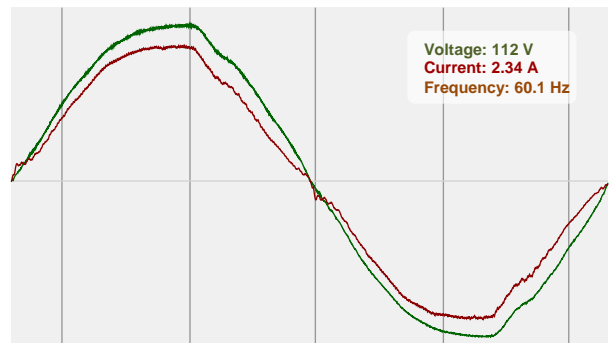
Note:

Spectra

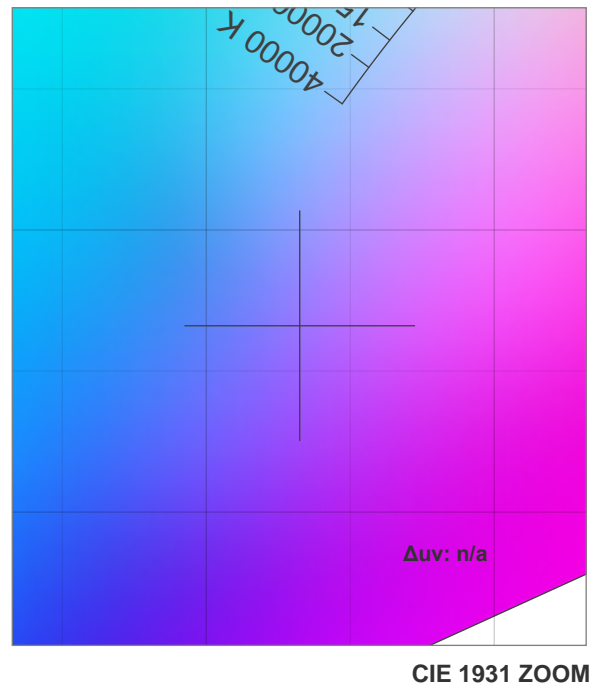
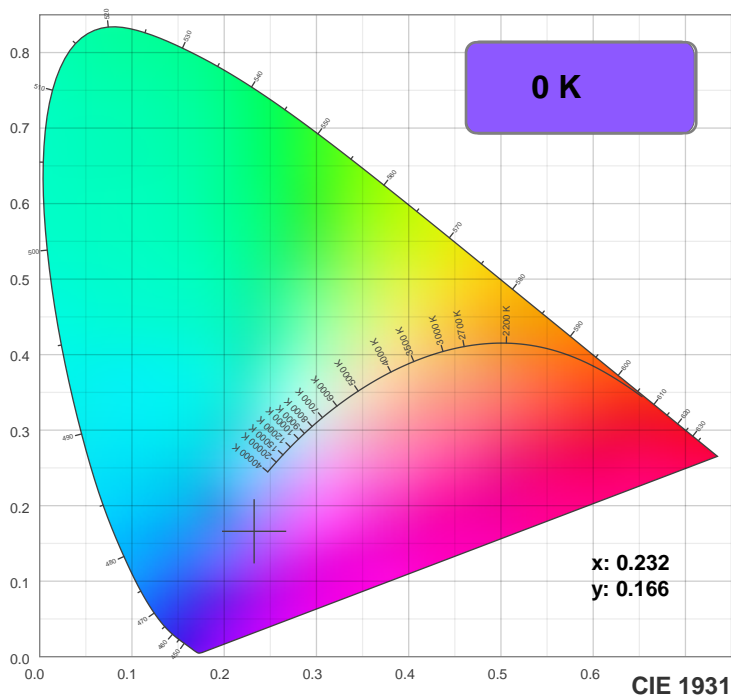
Dominant Wavelength: 448nm



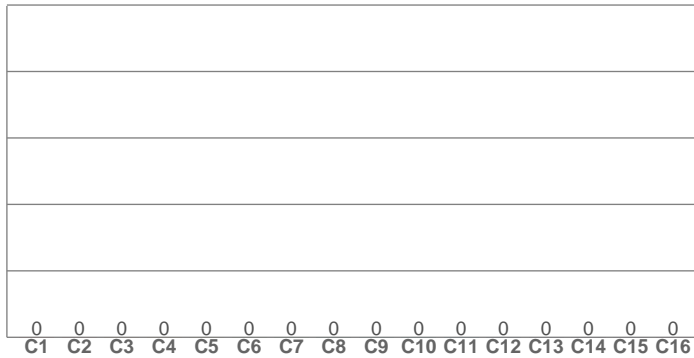
Power



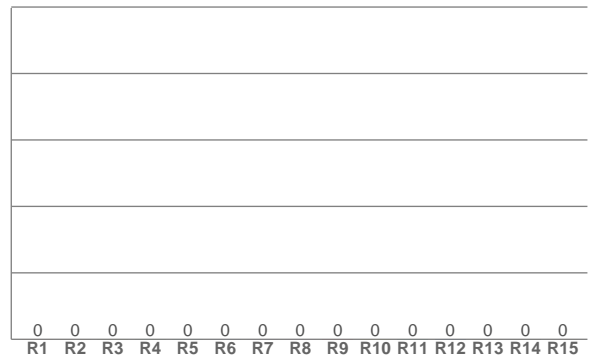
Color Details



TM30: 0.0



CRI: 0.0 (R1-R8)



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

[illegible]

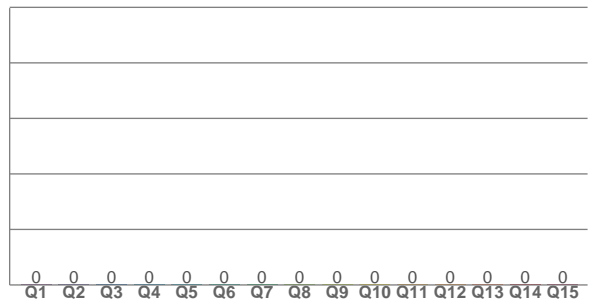
TM30 C values, 16 binned values out of total of 99 C values

[illegible]

CQS Q values

[illegible]

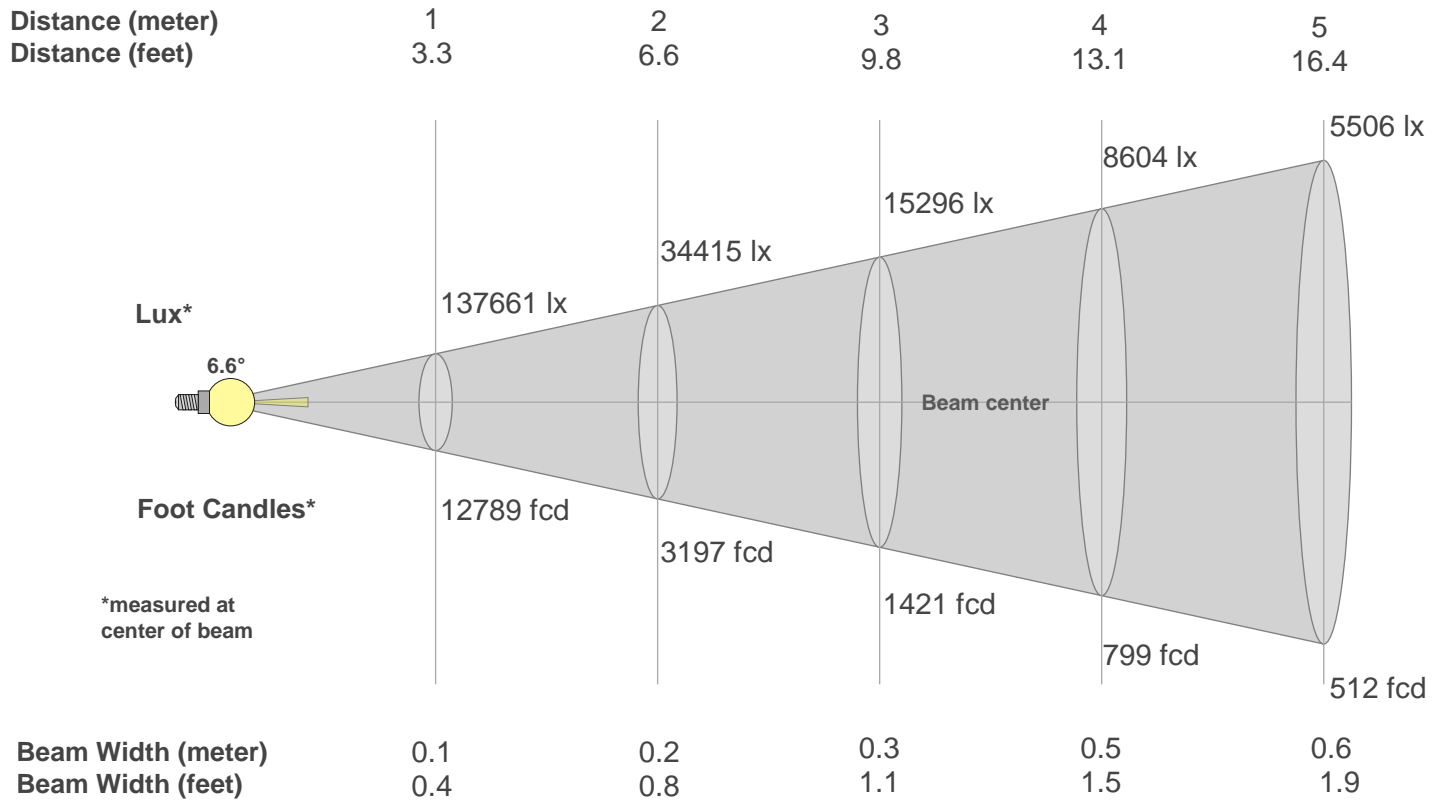
CQS: 0.0



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 Diviation 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	0.232	0.166	0.205	0.220	n/a

Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	137661	34415	15296	8604	5506	3824	2809	2151	1700	1377	1138	956	815	702	612	538	476	425	381	344
fcd	12789.1	3197.3	1421	799.3	511.6	355.3	261	199.8	157.9	127.9	105.7	88.8	75.7	65.3	56.8	50	44.3	39.5	35.4	32

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°
138K	130K	109K	79K	50K	26K	9K	2K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	95%	79%	58%	36%	19%	7%	1%	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°
138K	130K	109K	79K	50K	26K	9K	2K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	95%	79%	58%	36%	19%	7%	1%	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°
138K	131K	110K	79K	49K	25K	10K	2K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	95%	80%	58%	36%	18%	7%	2%	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°
138K	131K	110K	79K	49K	25K	10K	2K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	95%	80%	58%	36%	18%	7%	2%	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
6.6°	11.3°	13.3°	100.0%	100.0%