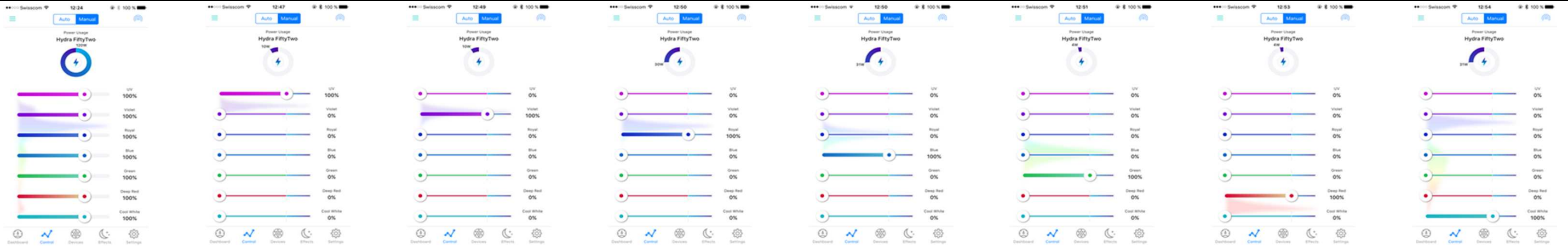


# Aqua Illumination Hydra FiftyTwo HD

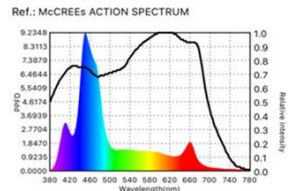
Messungen mit LEDclusive Gewichtetes Spektrum 100% Alle Kanäle		Messungen mit LEDclusive Gewichtetes Spektrum 100% UV		Messungen mit LEDclusive Gewichtetes Spektrum 100% Violett		Messungen mit LEDclusive Gewichtetes Spektrum 100% Royal Blue		Messungen mit LEDclusive Gewichtetes Spektrum 100% Blue		HD Messungen mit LEDclusive Gewichtetes Spektrum 100% Green		Messungen mit LEDclusive Gewichtetes Spektrum 100% Deep Red		Messungen mit LEDclusive Gewichtetes Spektrum 100% Cool Withe	
Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value
PPFD (400-700 nm)	736.25 µmol/m <sup>2</sup> s	PPFD (400-700 nm)	48.946 µmol/m <sup>2</sup> s	PPFD (400-700 nm)	29.521 µmol/m <sup>2</sup> s	PPFD (400-700 nm)	303.87 µmol/m <sup>2</sup> s	PPFD (400-700 nm)	176.33 µmol/m <sup>2</sup> s	PPFD (400-700 nm)	11.586 µmol/m <sup>2</sup> s	PPFD (400-700 nm)	41.705 µmol/m <sup>2</sup> s	PPFD (400-700 nm)	227.12 µmol/m <sup>2</sup> s
PPFD IR (701-780 nm)	11.877 µmol/m <sup>2</sup> s	PPFD IR (701-780 nm)	0.3038 µmol/m <sup>2</sup> s	PPFD IR (701-780 nm)	0.1678 µmol/m <sup>2</sup> s	PPFD IR (701-780 nm)	2.0527 µmol/m <sup>2</sup> s	PPFD IR (701-780 nm)	0.4086 µmol/m <sup>2</sup> s	PPFD IR (701-780 nm)	0.0290 µmol/m <sup>2</sup> s	PPFD IR (701-780 nm)	0.7076 µmol/m <sup>2</sup> s	PPFD IR (701-780 nm)	7.2723 µmol/m <sup>2</sup> s
PPFD R (600-700 nm)	104.47 µmol/m <sup>2</sup> s	PPFD R (600-700 nm)	0.2562 µmol/m <sup>2</sup> s	PPFD R (600-700 nm)	0.1523 µmol/m <sup>2</sup> s	PPFD R (600-700 nm)	2.0189 µmol/m <sup>2</sup> s	PPFD R (600-700 nm)	0.8276 µmol/m <sup>2</sup> s	PPFD R (600-700 nm)	0.1556 µmol/m <sup>2</sup> s	PPFD R (600-700 nm)	41.404 µmol/m <sup>2</sup> s	PPFD R (600-700 nm)	65.153 µmol/m <sup>2</sup> s
PPFD G (500-599 nm)	137.68 µmol/m <sup>2</sup> s	PPFD G (500-599 nm)	0.2699 µmol/m <sup>2</sup> s	PPFD G (500-599 nm)	0.1718 µmol/m <sup>2</sup> s	PPFD G (500-599 nm)	6.1216 µmol/m <sup>2</sup> s	PPFD G (500-599 nm)	10.069 µmol/m <sup>2</sup> s	PPFD G (500-599 nm)	10.703 µmol/m <sup>2</sup> s	PPFD G (500-599 nm)	0.1797 µmol/m <sup>2</sup> s	PPFD G (500-599 nm)	114.97 µmol/m <sup>2</sup> s
PPFD B (400-499 nm)	494.19 µmol/m <sup>2</sup> s	PPFD B (400-499 nm)	48.420 µmol/m <sup>2</sup> s	PPFD B (400-499 nm)	29.198 µmol/m <sup>2</sup> s	PPFD B (400-499 nm)	295.76 µmol/m <sup>2</sup> s	PPFD B (400-499 nm)	165.50 µmol/m <sup>2</sup> s	PPFD B (400-499 nm)	0.7210 µmol/m <sup>2</sup> s	PPFD B (400-499 nm)	0.1225 µmol/m <sup>2</sup> s	PPFD B (400-499 nm)	46.987 µmol/m <sup>2</sup> s
PPFD UV (380-399 nm)	13.101 µmol/m <sup>2</sup> s	PPFD UV (380-399 nm)	4.8245 µmol/m <sup>2</sup> s	PPFD UV (380-399 nm)	7.5820 µmol/m <sup>2</sup> s	PPFD UV (380-399 nm)	0.7456 µmol/m <sup>2</sup> s	PPFD UV (380-399 nm)	0.2605 µmol/m <sup>2</sup> s	PPFD UV (380-399 nm)	0.0020 µmol/m <sup>2</sup> s	PPFD UV (380-399 nm)	0.0207 µmol/m <sup>2</sup> s	PPFD UV (380-399 nm)	0.3046 µmol/m <sup>2</sup> s
YPFD (400-700 nm)	571.68 µmol/m <sup>2</sup> s	YPFD (400-700 nm)	35.607 µmol/m <sup>2</sup> s	YPFD (400-700 nm)	21.183 µmol/m <sup>2</sup> s	YPFD (400-700 nm)	222.07 µmol/m <sup>2</sup> s	YPFD (400-700 nm)	125.32 µmol/m <sup>2</sup> s	YPFD (400-700 nm)	9.0824 µmol/m <sup>2</sup> s	YPFD (400-700 nm)	38.558 µmol/m <sup>2</sup> s	YPFD (400-700 nm)	196.42 µmol/m <sup>2</sup> s
YPFD (380-780 nm)	582.05 µmol/m <sup>2</sup> s	YPFD (380-780 nm)	38.783 µmol/m <sup>2</sup> s	YPFD (380-780 nm)	26.042 µmol/m <sup>2</sup> s	YPFD (380-780 nm)	222.72 µmol/m <sup>2</sup> s	YPFD (380-780 nm)	125.52 µmol/m <sup>2</sup> s	YPFD (380-780 nm)	9.0883 µmol/m <sup>2</sup> s	YPFD (380-780 nm)	38.748 µmol/m <sup>2</sup> s	YPFD (380-780 nm)	198.03 µmol/m <sup>2</sup> s
YPFD IR (701-780 nm)	2.0253 µmol/m <sup>2</sup> s	YPFD IR (701-780 nm)	0.0306 µmol/m <sup>2</sup> s	YPFD IR (701-780 nm)	0.0142 µmol/m <sup>2</sup> s	YPFD IR (701-780 nm)	0.2183 µmol/m <sup>2</sup> s	YPFD IR (701-780 nm)	0.0456 µmol/m <sup>2</sup> s	YPFD IR (701-780 nm)	0.0046 µmol/m <sup>2</sup> s	YPFD IR (701-780 nm)	0.1770 µmol/m <sup>2</sup> s	YPFD IR (701-780 nm)	1.4360 µmol/m <sup>2</sup> s
YPFD R (600-700 nm)	97.820 µmol/m <sup>2</sup> s	YPFD R (600-700 nm)	0.2269 µmol/m <sup>2</sup> s	YPFD R (600-700 nm)	0.1336 µmol/m <sup>2</sup> s	YPFD R (600-700 nm)	1.7783 µmol/m <sup>2</sup> s	YPFD R (600-700 nm)	0.7208 µmol/m <sup>2</sup> s	YPFD R (600-700 nm)	0.1509 µmol/m <sup>2</sup> s	YPFD R (600-700 nm)	38.309 µmol/m <sup>2</sup> s	YPFD R (600-700 nm)	61.806 µmol/m <sup>2</sup> s
YPFD G (500-599 nm)	117.07 µmol/m <sup>2</sup> s	YPFD G (500-599 nm)	0.2260 µmol/m <sup>2</sup> s	YPFD G (500-599 nm)	0.1432 µmol/m <sup>2</sup> s	YPFD G (500-599 nm)	4.7104 µmol/m <sup>2</sup> s	YPFD G (500-599 nm)	7.5058 µmol/m <sup>2</sup> s	YPFD G (500-599 nm)	8.4214 µmol/m <sup>2</sup> s	YPFD G (500-599 nm)	0.1644 µmol/m <sup>2</sup> s	YPFD G (500-599 nm)	100.27 µmol/m <sup>2</sup> s
YPFD B (400-499 nm)	356.86 µmol/m <sup>2</sup> s	YPFD B (400-499 nm)	35.154 µmol/m <sup>2</sup> s	YPFD B (400-499 nm)	20.906 µmol/m <sup>2</sup> s	YPFD B (400-499 nm)	215.60 µmol/m <sup>2</sup> s	YPFD B (400-499 nm)	117.14 µmol/m <sup>2</sup> s	YPFD B (400-499 nm)	0.5058 µmol/m <sup>2</sup> s	YPFD B (400-499 nm)	0.0892 µmol/m <sup>2</sup> s	YPFD B (400-499 nm)	34.340 µmol/m <sup>2</sup> s
YPFD UV (380-399 nm)	8.1049 µmol/m <sup>2</sup> s	YPFD UV (380-399 nm)	3.0094 µmol/m <sup>2</sup> s	YPFD UV (380-399 nm)	4.7211 µmol/m <sup>2</sup> s	YPFD UV (380-399 nm)	0.4398 µmol/m <sup>2</sup> s	YPFD UV (380-399 nm)	0.1538 µmol/m <sup>2</sup> s	YPFD UV (380-399 nm)	0.0011 µmol/m <sup>2</sup> s	YPFD UV (380-399 nm)	0.0124 µmol/m <sup>2</sup> s	YPFD UV (380-399 nm)	0.1799 µmol/m <sup>2</sup> s
R/B	0.21	R/B	0.01	R/B	0.01	R/B	0.01	R/B	0.01	R/B	0.22	R/B	338.27	R/B	1.39
R/FR	8.8	R/FR	0.84	R/FR	0.91	R/FR	0.98	R/FR	2.03	R/FR	5.38	R/FR	58.52	R/FR	8.96
illuminance	63.612 lux	illuminance	4.2289 lux	illuminance	2.5507 lux	illuminance	26.254 lux	illuminance	15.235 lux	illuminance	1.0010 lux	illuminance	3.6033 lux	illuminance	19.623 lux
λp (380-780 nm)	24888 nm	λp (380-780 nm)	93 nm	λp (380-780 nm)	50 nm	λp (380-780 nm)	3794 nm	λp (380-780 nm)	3772 nm	λp (380-780 nm)	1322 nm	λp (380-780 nm)	478 nm	λp (380-780 nm)	17182 nm
ΔD (380-780 nm)	450 nm	ΔD (380-780 nm)	412 nm	ΔD (380-780 nm)	405 nm	ΔD (380-780 nm)	453 nm	ΔD (380-780 nm)	467 nm	ΔD (380-780 nm)	522 nm	ΔD (380-780 nm)	659 nm	ΔD (380-780 nm)	448 nm
CCT	467 K	CCT	433 K	CCT	433 K	CCT	460 K	CCT	472 K	CCT	532 K	CCT	643 K	CCT	568 K
CRI	0	CRI	0	CRI	0	CRI	0	CRI	0	CRI	7390	CRI	0	CRI	4889



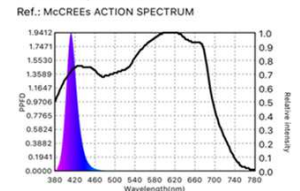
## Leistungsangabe in Watt

	Alle	UV	Violett	Royal Blue	Blue	Green	Deep Red	Cool White
Hersteller	120	10	10	30	31	4	4	31
Gemessen	120	12.9	13.1	33	32.1	5.7	5.6	34

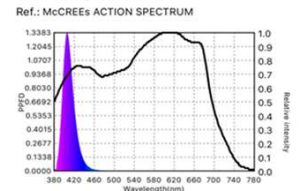
PPFD Spektrum



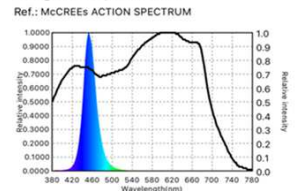
PPFD Spektrum



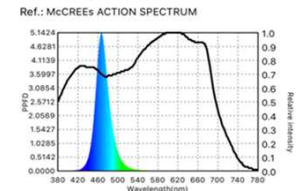
PPFD Spektrum



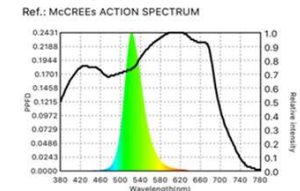
Original Spektrum



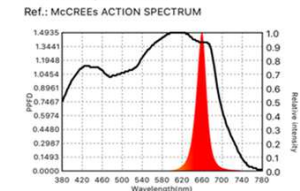
PPFD Spektrum



PPFD Spektrum



PPFD Spektrum



PPFD Spektrum

