

Features and Specifications

APPLICATIONS

Suitable for a wide range of horticulture applications including greenhouses, vertical farms, growth chambers and tissue culture laboratories. May be listed in hydroponic and aeroponic installations.

GENERAL DESCRIPTION

LED plant growth fixture designed to produce high Photosynthetically Active Radiation (PAR) values with unsurpassed beam uniformity and excellent light utilization. Available with Illumitex Surexi (static spectrum) LEDs. Slim fixture design optimizes the use of vertical stacking of plant trays resulting in greater volumetric plant density.

ELECTRICAL

Modular design allows for universal power supply of 120V-277V and for remote power supply placement. Single bar is 500mA drive current, Class 2 rated; double bar is 530mA drive current, Class 1 rated. 0-10V dimming standard.

MECHANICAL

48" bar length in single and double bar configurations. Optional 10' cable extension. Mounting clamps included. Liquid-tight cable connectors. IP66 rated drivers and construction.

FINISHES

Clear anodized finish.

TESTING AND COMPLIANCE

- IP66 classified per IEC 529
- RoHS compliant
- ETL/cETL listed
- CE listed
- 5 year warranty





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Precision Light. Infinite Possibilities.

ECLIPSE



Light Output

	GROWTH SPECTRA					SUPPLEMENTAL SPECTRA				
Spectrum	F1	F3	X5	F6	F7	450 nm	525 nm	624 nm	660 nm	730nm
Beam Angle	50°	50°	50°	50°	50°	50°	50°	50°	50°	50°
Digital Distribution	DD65	DD65	DD65	DD65	DD65	DD65	DD65	DD65	DD65	DD65
Wrad Typical (W)	18.8	17.6	16.7	19.5	22.5	23.1	7.8	9.9	18	11.6
PPF Typical (µmol/s)	95	87	81	94	92	88	35	52	98	71
PPF/Wel Typical (µmol/J)*	1.31	1.20	1.02	1.18	1.06	0.94	0.37	.080	1.51	1.09
Wel Typical (W)*	72.3	72.3	79.5	79.5	86.7	94.0	94.0	65.0	65.0	65.0

* Including external power supply with 88% efficiency





Typical Spectral Photon Flux Distribution (photon irradiance) plots showing the spectra of different wavelength LEDs and fixtures, in this case Illumitex 4 ft Eclipse with Surexi LEDs.

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