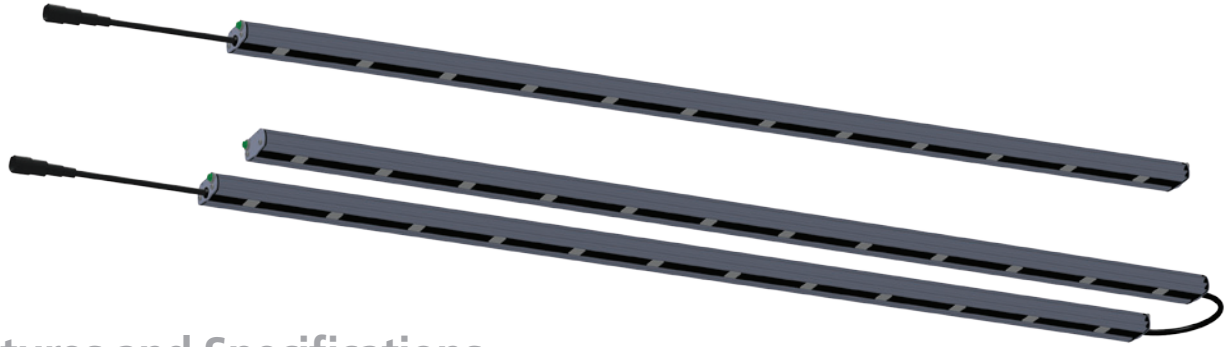


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Features and Specifications

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



PART NO. ORDERING GUIDE

Enter the 1-2 character code for each boxed category in the corresponding field.

ES		48	12		6			C	-
SERIES ES = Eclipse		BAR LENGTH 48 = 48" Bar		LED SPECTRA GROWTH F1 = F1 50° F3 = F3 50° X5 = x5 50° F6 = F6 50° F7 = F7 50° SUPPLEMENTAL 45 = 450nm 50° 52 = 525nm 50° 62 = 624nm 50° 66 = 660nm 50° 73 = 730nm 50°		POWER SUPPLY 85D = 85W Dimmable 15D = 150W Dimmable		FINISH C = Clear Anodized	
	NO. of BARS 1 = Single Bar 2 = Double Bar		NO. of LEDs 12 = 12 Surexi LEDs		DIGITAL DIST. 6 = DD65		INPUT U = 120-277Vac 50/60 Hz Autosensing H = 347-480Vac Consult Factory		OPTIONS 10 = 10' Cable Extension

illumitex.com

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Austin, Texas 78735

Tel: 512.279.5020

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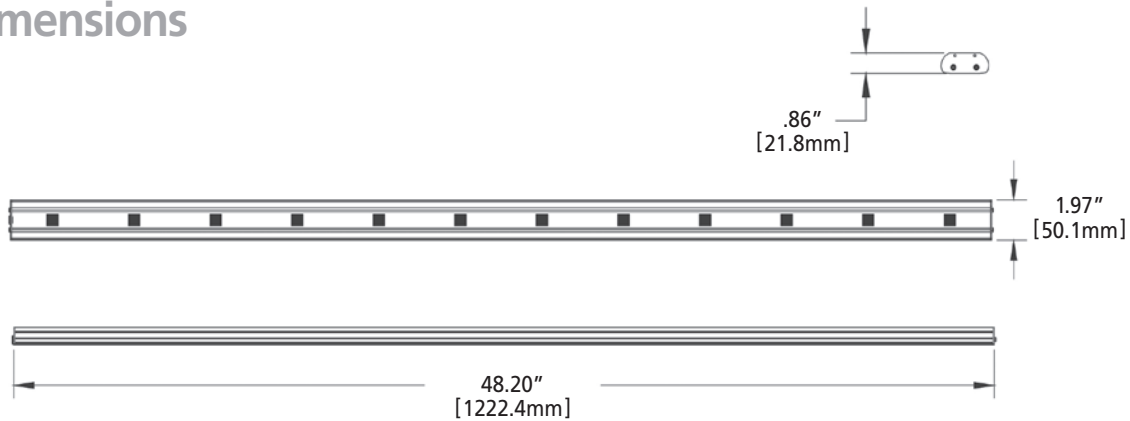
ES 07.13

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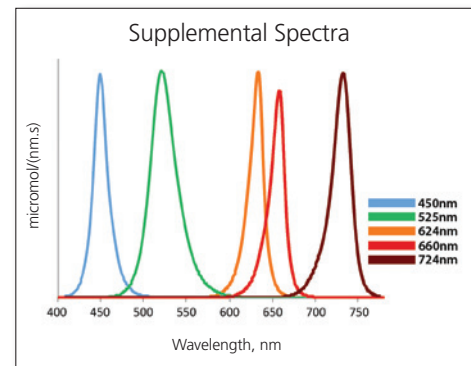
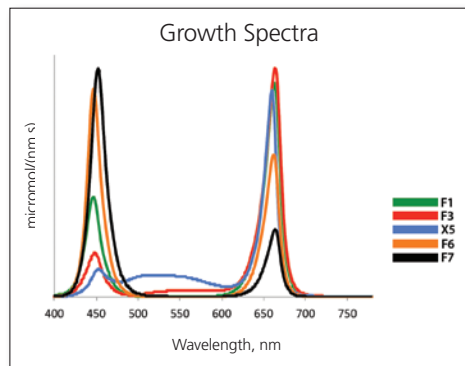
Dimensions



Light Output

Spectrum	GROWTH SPECTRA					SUPPLEMENTAL SPECTRA				
	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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