

ECLIPSE W

FEATURES & SPECIFICATIONS

General Description

The Eclipse W is ideal for vertical farm applications, but is also suitable for a wide range of other horticulture applications including growth chambers and tissue culture laboratories. The Eclipse W single bar is designed to deliver high levels of photosynthetic photon flux (PPF) values with unsurpassed light uniformity, all within a slim design. For easy installation, the Eclipse W fixtures can be daisy-chained together in runs of up to 15 fixtures. Fixtures are supplied with spring clips for surface mount or unistrut installations.

Mechanical Construction

Single, 46-inch anodized aluminum extrusions provide thermal management and housing for drivers and wiring. High temperature, molded-silicone gaskets and injection-molded polymer end caps provide protection from dust and moisture. 5-conductor cables and water-tight, locking connectors provide power and dimming from bar to bar.

Each bar includes pigtail and male connector on one end and a female connector on opposite end. Maximum bar to bar spacing is 18 inches on centers.

Electrical Specifications

Each Eclipse W fixtures includes an internal dimmable driver. Input voltage is 120-277VAc and 50-60Hz. 0-10V dimming is standard.

LEDs

The 120° beam angle ensures that the maximum light intensity is delivered directly to the crop canopy at lower mounting heights.

Weight

5.4 lbs

Finish

Clear anodized extrusions with black molded gaskets and end caps.

Power Consumption

56 watts

Testing & Compliance

RoHS compliant

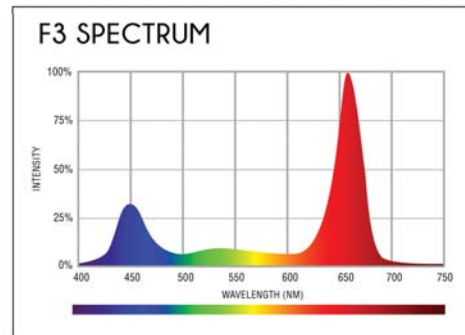
ETL/cETL listing for damp location

5-year warranty

50,000 hour life



SPECTRA



F3 WAVELENGTH MIX

Blue (400 - 499nm)	22.4 ± 1.3%
Green (500 - 599nm)	13.4 ± 0.6%
Red (600 - 699nm)	63.9 ± 0.8%
Far Red (700 - 780nm)	0.4 ± 0.1%

BEST FOR GERMINATION THROUGH FLOWERING

This spectrum is known as the full cycle spectrum developed specifically to foster quality growth at each stage. It produces fast germination and high quality vegetative and flowering plants. The F3 spectrum is recommended for use in growth chambers as well as controlled environment agriculture operations of any size.

EC LIPSE W

PART NUMBER ORDERING GUIDE

Series	# of Bars	Length	# of LEDs	Spectra	Input	Dimming
ESW 120° beam	1 single bar	48 48"	60 LEDs on board	F3	U 120 - 277 VAC	D 0-10V Dimmable (standard)

SPECIFICATION

Item	Spec	
Input Voltage	120 VAC	277 VAC
Wattage	56	
PPF	113	
Efficiency	2.0 $\mu\text{mol}/\text{J}$	
Input AC Current	0.48	0.22
Power Factor	0.99	

ACCESSORIES

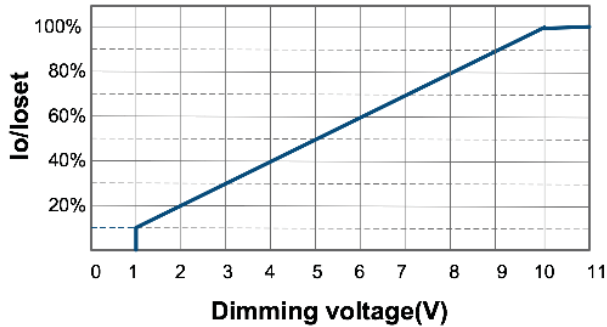
Ordered separately:

Item	Description
CE5-10CH1	Cable extension, 5-conductor, 10-foot, female connector + flying leads needed for power input to first bar.*
CE5-10CH2	Cable extension, 5-conductor, 10-foot, female connector + male connector needed for bar to bar extension.

*See Install Instruction for wiring diagram

DIMMING FUNCTION

Io/Ioset vs. Dimming voltage



The maximum current draw of the dimming input (DIM+) is 0.15mA. This will determine the total number of dimming wires that can be tied together to one controller.

DIMENSION LINE DRAWINGS

Fixture is designed to fit in 48" modules including all connectors and fittings.

