

illumitex NeoSol NS

Commercial grade
LED plant growth fixture
for hobby and home use



PRODUCT FEATURES

FEATURES

- Ultra-precision beam control
- Adjustable beam angle
- 54 Illumitex Surexi F3 LEDs
- Lightweight and completely silent
- No cooling fans
- Thin profile
- No assembly required
- IP66-rated waterproof LEDs

BENEFITS

- Promotes germination & flowering
- Maximum photosynthetic light on plants
- LED performance greater than 600W HPS
- Edge-to-edge color uniformity
- 60,000 hour LED lifetime

APPLICATIONS

- Growth chambers and tents
- Grow rooms
- Hobbies

PLANT GROWTH LIGHTING



The NeoSol NS is the only commercial-grade LED plant growth fixture designed for home and hobby projects. Available with Illumitex Surexi F3 Spectrum LEDs (static spectrum), the slim fixture design maximizes volumetric area for plant growth and minimizes fixture weight and energy consumption. Illumitex LED technology produces high Photosynthetically Active Radiation (PAR) values with superior light utilization and beam uniformity.

NeoSol NS

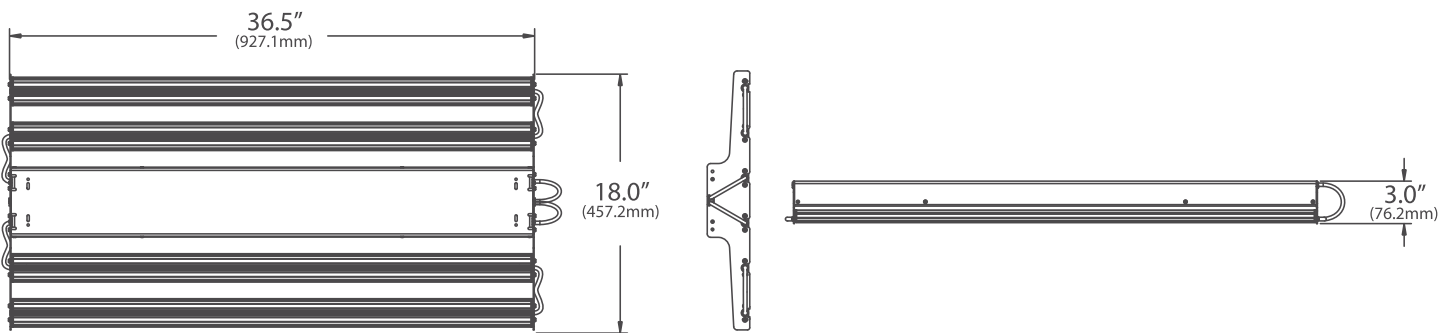
TECHNICAL SPECIFICATIONS

Input Voltage: 120
 Drive Current: 530mA
 Wattage: 300W
 Finish: Clear anodized finish on bars; blue powder-coat on housing

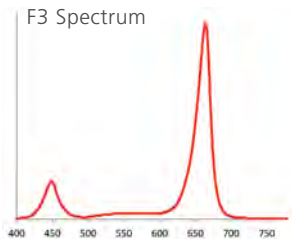
Environmental Rating: IP66 per IEC529
 Fixture Weight: 23.5 lbs.
 Dimensions: 18 x 37 x 3 in.
 Certifications:



DIMENSIONAL DRAWINGS



SPECTRUM & PHOTOMETRICS



| Spectrum | F3 |
|---------------------------|------|
| Beam Angle | 50° |
| Digital Distribution | DD65 |
| Radiometric Watts (W) | 80 |
| PPF Typical (μmol/s) | 390 |
| PPF/Wei Typical (μmol/J)* | 1.2 |
| Electrical Watts | 314 |

Assumptions on power: Use 55C ETO data; assume 530mA drive current
 * Including external power supply with 88% efficiency

ORDERING GUIDE

| | | | | | | | | | | | |
|--|---|----------|---|---|----------|---|----------|---|--|----------|----------|
| N | S | 6 | 3 | 6 | 9 | F | 3 | 6 | 3 | 0 | U |
| SERIES | | | BAR LENGTH | | | LED SPECTRA | | POWER SUPPLY | | | |
| <input checked="" type="checkbox"/> NS | | | <input checked="" type="checkbox"/> 36" Bar | | | <input checked="" type="checkbox"/> F3 = F3 50° | | <input checked="" type="checkbox"/> 30 = 300W 6 Bar | | | |
| | NO. OF BARS | | | NO. OF LEDs PER BAR | | DIGITAL DISTRIBUTION | | | INPUT | | |
| | <input checked="" type="checkbox"/> 6 = 6 Bar | | | <input checked="" type="checkbox"/> 9 Surexi LEDs | | <input checked="" type="checkbox"/> 6 = DD65 | | | <input checked="" type="checkbox"/> U = 120V | | |

1 512 279 5020 | www.illumitex.com

