

ULTRA-SLIM DESIGN FOR VEGETATION & FLOWERING

## FEATURES & SPECIFICATIONS

### General Description

The NeoPAR is ideal for vertical rack and low mounting height applications. The NeoPAR 7 is designed to deliver high levels of photosynthetic photon flux (PPF) to produce quality flowering. The NeoPAR series provides the thinnest profile available with an onboard power pack. This slim design delivers unsurpassed light uniformity for damp locations. The NeoPAR series arrives fully assembled to limit labor cost with simple installation.

### Mechanical Construction

The fully assembled product is a slim design compatible for different types of vertical farming. The overall size of the product is 45"x42"x3". The 7 LED bars mount to a structurally safe back plate. The LED bars are 3/8" thick x 2.65" wide x 45" long. The back plate spans across the equally spaced LED bars which houses the LED drivers, wiring and any controls systems that may be used as add on accessories. The product is easy to install using standard mechanical fastening systems.

### Power Consumption

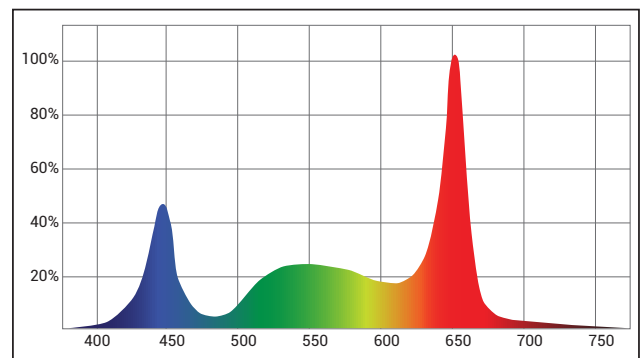
The NeoPAR is offered in two power levels to meet a variety of needs in grow operations. Whether the priority is high output for crops requiring a ton of light or maximize efficiency for energy restriction or rebates, there is a solution. Power ranges from 70-90 watts a bar depending on configuration.

### Testing & Compliance

- RoHS compliant
- ETL listing for wet locations
- IP 67 Driver
- 5-year warranty
- L70: 50,000



### SPECTRUM



**X6** - This full spectrum maximizes red and blue nm wavelengths to allow for optimal chlorophyll A and B absorption with a balance of green wavelengths to allow much deeper canopy penetration.

### GENERAL ATTRIBUTES

|                       |                              |
|-----------------------|------------------------------|
| Operating Frequency   | 50/60Hz                      |
| Operating Temperature | 4°F to 104°F (-20°C to 40°C) |
| Dimensions            | 45" x 42" x 3"               |
| Estimated Weight      | 32.5 lbs                     |
| Power Factor          | >0.90                        |
| Warranty              | 5 years                      |

Manufactured in Austin, TX

# NeoPAR 7

## PART NUMBER ORDERING GUIDE

| Series     | # of bars | Output                                   | Beam Angle             | Lens/IP              | Spectrum       | Voltage                              | Dimming       | Color | Cord           | Plug*             |
|------------|-----------|--|------------------------|----------------------|----------------|--------------------------------------|---------------|-------|----------------|-------------------|
| <b>DHW</b> | <b>7</b>  | <b>S</b> Standard<br><b>E</b> Efficiency | <b>12</b> 120°<br>beam | <b>NL</b> No<br>Lens | <b>X6</b> Full | <b>U</b> 120-277<br><b>H</b> 277-480 | <b>D</b> 0-10 | WH    | <b>10 (ft)</b> | <b>Blank</b> None |
|            |           |  |                        |                      |                |                                      |               |       |                | <b>P120</b>       |
|            |           |  |                        |                      |                |                                      |               |       |                | <b>P240</b>       |
|            |           |  |                        |                      |                |                                      |               |       |                | <b>P277</b>       |

\*Notes: Additional charges apply for including a 3-prong plug.

## STANDARD SPECIFICATION

| Input Voltage     | 120 VAC     | 240 VAC     | 277 VAC     | 347 VAC     | 480 VAC     |
|-------------------|-------------|-------------|-------------|-------------|-------------|
| PPF               | 1350        |             |             |             |             |
| Efficiency        | 2.11 µmol/J | 2.18 µmol/J | 2.20 µmol/J | 2.11 µmol/J | 2.13 µmol/J |
| Power Consumption | 640 W       | 619 W       | 613 W       | 640 W       | 634 W       |
| Current           | 5.30 A      | 2.64 A      | 2.38 A      | 1.34 A      | 1.85 A      |
| BTU/hr            | 2182.4      | 2110.8      | 2090.3      | 2182.4      | 2161.9      |

## EFFICIENCY SPECIFICATION

| Input Voltage     | 120 VAC     | 240 VAC     | 277 VAC     | 347 VAC     | 480 VAC     |
|-------------------|-------------|-------------|-------------|-------------|-------------|
| PPF               | 1250        |             |             |             |             |
| Efficiency        | 2.04 µmol/J | 2.11 µmol/J | 2.25 µmol/J | 2.20 µmol/J | 2.22 µmol/J |
| Power Consumption | 612 W       | 592 W       | 556 W       | 568 W       | 562 W       |
| Current           | 5.10 A      | 2.49 A      | 2.18 A      | 1.65 A      | 1.21 A      |
| BTU/hr            | 2182.4      | 2110.8      | 2090.3      | 2165.4      | 2141.5      |

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## LINE DRAWINGS & DIMENSIONS

