Alphalite

NITE GROWER PLASMA GROW LIGHT

NIT1000 Series

DESCRIPTION

The Nite Grower utilizes Alphalite's proprietary Advanced Plasma Technology to deliver high intensity, enhanced color spectrum lighting for horticultural applications. The high-efficiency plasma light source dramatically improves upon high intensity discharge sources by offering energy savings, long life, superior color control, improved lumen maintenance, and better optical performance. The Nite Grower fuses cutting-edge plasma technology with precision-engineered, high quality manufacturing to produce a grow system suitable for the most state-of-the-art greenhouses and growing facilities.

APPLICATION

Greenhouse, Agriculture, Grow Operations, Warehouse, Plant and Tissue Growth.
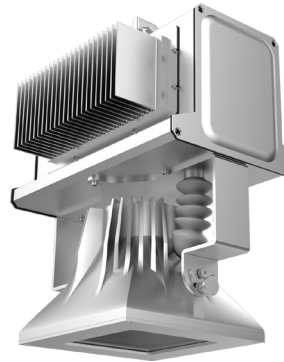
SPECIFICATION FEATURES

Construction

High performance, cutting-edge die-cast magnesium resonator housing improves heat dissipation and reliability. Precision-engineered and manufactured optics to optimize light delivery to the working plane. Features advanced heat management for efficient power supply and driver operation. Convenient suspension mounting. Quality-manufactured die cast aluminum housing.

Electrical

Solid state driver with micro-processor technology delivers superior color performance and reduces color shift. Improved lumen maintenance versus traditional HID. Advanced dimming, monitoring, and communications capabilities.

Mounting

Comes standard equipped with v-hooks for mounting and cord.

Optics

Die formed, 95% reflectivity optical reflectors optimizes performance and light delivery. Single-point source mico-lamp allows for more precise control of optical distribution.

Warranty

5-year limited warranty. See complete warranty terms for details.

NIT1000

High Performance
Plasma Horticultural Grow Light

1000W Equivalent

Quick Ship Items

NIT1000-T/830

ORDERING INFORMATION

Sample Number: NIT1000-T/830

NIT	1000	T	8	30	(Blank)
Series NIT = Nite Grower	**Wattage Equivalent** 1000 = 1000W HID equivalent	**Version Type** T = Version T	**CRI** 8 = 80+ CRI	**Nominal CCT** 30 = 3000K 65 = 6500K	**Distribution Type** (Blank) = Special design for Horticulture

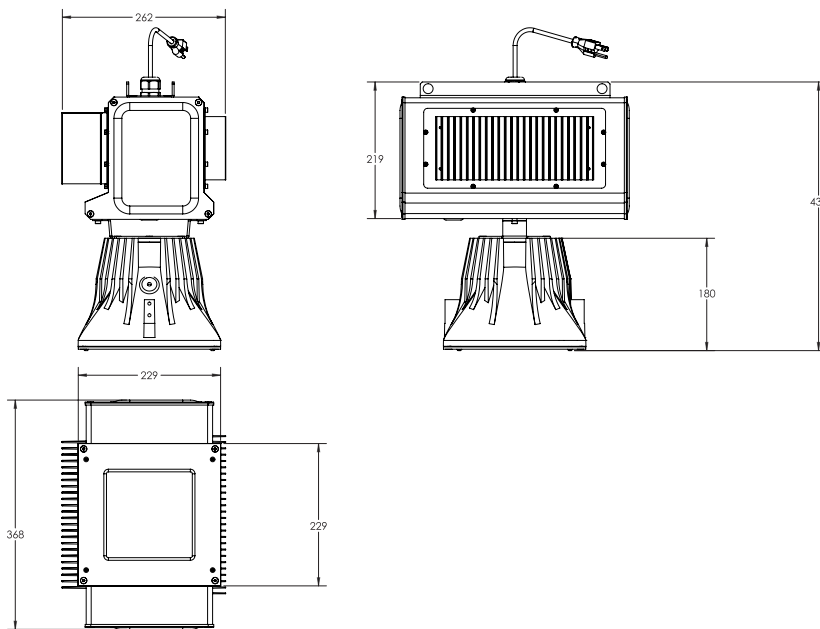| Mounting Height	Coverage Area
3'	4' x 4'
4'	5' x 5'

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SUMMARY

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Input Power	470
Initial Lumen Output	26,000 lm (3000K)
Power Factor	> 0.95
THD (Max.)	20%
Controls/Dimming	Comes standard with 0-10V and Tx-Rx Digital Control
Dimming Range	20-100%
CRI	> 80
CCT	3000K
Lumen Maintenance (%)	80
Source-PAR (umol/s)	530
Par-Ratio (red-to-blue)	2.5
Rated Life (Avg. Hours)	30,000 hours
Start-up Time	30 sec.
Hot Restrike Time	120 sec.
Operating Temp.	-40°C ~ +55°C

DIMENSIONS