



PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

**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.



**NIT1000**

High Performance  
**Plasma Horticultural  
Grow Light**

1000W Equivalent

**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 micro-lamp allows for more precise control of optical distribution.

**Warranty**

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

**Quick Ship Items**

NIT1000-T/830

**ORDERING INFORMATION**

Sample Number: NIT1000-T/830

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

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

**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**

