

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. Precisionengineered 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

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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 mico-lamp allows for more precise control of optical distribution.

Warranty

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

65 = 6500K

for Horticulture

Quick Ship Items

NIT1000-T/830

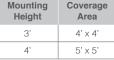
ORDERING INFORMATION

Sample Number: NIT1000-T/830

1000 = 1000W

HID equivalent

			8	30	(Blank)	Height
Series	Wattage	Version Type	CRI	Nominal CCT	Distribution Type	3'
VIT = Nite Grower	Equivalent	T = Version T	8 = 80+ CRI	30 = 3000K	(Blank) = Special design	4'
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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

