

LIMITED WARRANTY

This product is warranted to be free from defects in workmanship and materials for up to 3 years from purchase date. If product fails during warranty period (provided failure was not the result of misuse, abuse or improper installation), original purchaser may return product (at own expense) with proof of purchase to Norb Lighting, 14109 Cleveland St. Nunica MI 49448. Or contact us via info@Norb-Light.com for assistance or replacement. REPLACEMENT OR REFUND REQUIRES PROOF OF PURCHASE AND REPLACEMENT IS YOUR SOLE REMEDY, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW; ANY IMPLIED

WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IS HEREBY EXPRESSLY EXCLUDED. Some states and provinces do not allow the exclusion of incidental or consequential damages, therefore the above limitation or exclusion may not apply to you individually. This warranty gives you specific legal rights, but you may have other rights which vary from state to state or province.

ID No. 904805 Model No. TROPIC-A19-9W Made in China

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television

communications. Such interference can be determined by turning the equipment off and on. If this confirms that interference is caused by the device, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult dealer or an experienced radio/TV technician for help.

Norb® TROPIC™ 9 Watt A19 Grow Light
FORESTLIKE SOFT-GREEN LIGHT™
FOR TROPICAL HOUSE PLANTS™

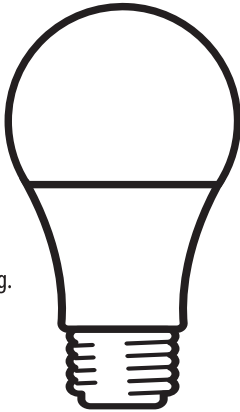
WHAT IS Norb® TROPIC™?

Norb TROPIC is soft green and unlike any grow light you’ve ever seen; designed exclusively for “Shade Plants” (i.e. **tropical house plants**). To develop Norb TROPIC we simply mimicked nature; we made the light spectrum just like the light that hits the forest floor (like light that has passed through the canopy of tree leaves), which is the typical “shade source” for shade plants, in nature.

As commercial growers and lighting developers, we know that almost all grow lights are designed for sun-loving plants. Some of the better ones (like Norb BOTANIC) mimic natural sunlight and can do an ok job of growing tropical house plants. But Norb TROPIC works better—for shade plants, as shade plants are uniquely adapted to “canopy filtered” light.

Sometimes new product development is a struggle, not this time. We simply thought about what nature provides, mimicked it, and it worked. Norb TROPIC will make your tropical shade plants happier than ever. Patent Pending.

Norb TROPIC...
FORESTLIKE SOFT-GREEN LIGHT™
FOR TROPICAL HOUSE PLANTS™



Directions for Installation and Use



Read and follow ALL SAFETY INSTRUCTIONS before assembly, installation and use.

WARNING: When using electrical lighting products, basic safety precautions must always be followed to reduce risk of electric shock, fire and personal injury.

Retain instructions for future reference.

WARNING

Caution - RISK OF ELECTRIC SHOCK

- Turn off power before inspection, removal or installation.

Caution - RISK OF FIRE

- Follow all NEC and Local Codes
- Keep away from heat sensitive and flammable materials.
- If not installed and used per instructions, may cause excess heat.
- Weight of device may cause instability, insure that it is securely attached to immovable structure.

SUITABILITY and APPLICATION

- Suitable for DRY locations, do not spray water directly on bulb.
- Use only on 120 volt, 60 Hz circuits.
- Suitable for operation in ambient temperature not exceeding 104°F (40° C).
- Not intended for use with emergency exits.

• **Install fixture so that the cord:**

- Is not permanently attached to the building structure.
- Is used within the rated amperage limit as determined at the maximum operating temperature.
- Is not extended through a wall, floor, ceiling, ceiling panel (and is not located above drop ceiling or panel) or other structure, and cord is openly visible for its entire length.
- Is routed in a manner to avoid strain on the cord.
- Never open—no serviceable parts inside.
- Active lamp is hot to the touch and should not be handled when hot.
- If not installed and used per instructions, may cause harmful interference to radio communications.
- If any doubt about the installation or application of this product, please consult electrician.
- Questions? Contact info@Norb-light.com.



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NorbLighting.com

Norb Lighting, LLC 14109 Cleveland Street, Nunica MI 49448 Email: info@Norb-Light.com NorbLighting.com

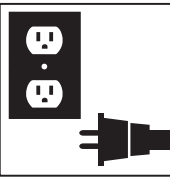


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INSTALLATION STEPS



- Fixture should be properly connected to a grounded outlet with nominal power supply of 120V 60Hz.
- Plug in only after properly mounted.

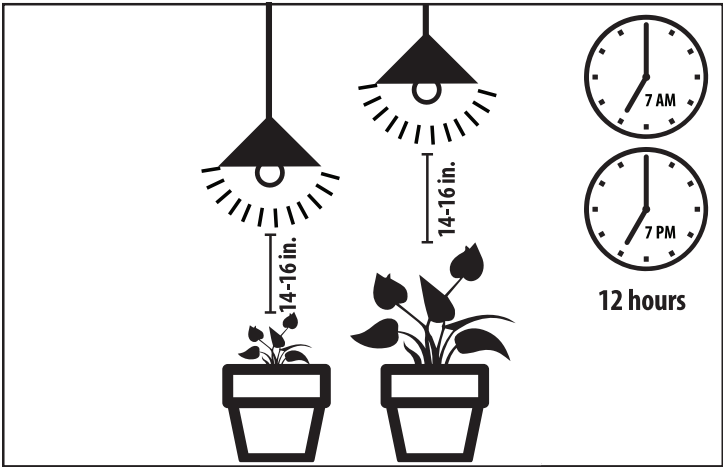
DIRECTIONS FOR TROPICAL HOUSE PLANT GROWING

Your Norb TROPIC 9 Watt A19 Style Grow Light should only be used indoors (home or greenhouse). It resists humidity but you should avoid spraying water directly on it.

Tropical House Plants

Adjust the light to be appx. 14 to 16 inches from the top of the plants. As the plants grow, simply elevate the light to maintain this distance.

Run Time: 12 hours. A simple timer can be used to turn it on and off, and typically should be set to run appx. 12 hours per day, on at 7 AM and off at 7 PM.



CAUTION: Risk of Shock and Fire

- This lamp can be used in damp or dusty locations, but should never be placed under water.
- Active lamp may be hot to the touch and should not be handled when hot.
- Not intended for use with emergency exits.
- Turn off power before inspection, removal or installation.
- Never open—no serviceable parts inside.
- Keep away from heat sensitive and flammable materials.
- If any doubt about the installation or application of this product, please consult electrician.
- Not for use in enclosed fixtures.
- If not installed and used per instructions, may cause excess heat or harmful interference to radio communications.
- Use only on 120 volt, 60 Hz circuits.
- Weight of device may cause instability, be sure that it is affixed to adequate structure.
- Dimmable.
- Questions? Contact info@Norb-light.com.

Lighting Facts

Voltage 120 V

Current .078A

Power 9W

Spectral Range Photo Flux

400-499 nm

.29 µmol/s

500-599 nm

4.89 µmol/s

600-700 nm

2.36 µmol/s

Color Rendering Index 50

Brightness 600 lumens, similar to a 43W incand. bulb

Color Temp 4200K

Size A19 2.5" W x 3.5" L, inserted

Beam Angle 220 degrees

Warranty 3 years

PPF 7.2 µmol/s

PPE 0.8 µmol/J

PPF is photosynthetic photon flux, a measurement of total amount of photosynthetic active radiation produced each second.
PPE is photosynthetic photon efficacy, PPF divided by wattage, a measure of efficiency.



Where to Place Norb® TROPIC™ 9 Watt A19 Style Grow Light

| | |
|-------|--|
| WHERE | In your garage, basement, living room, kitchen and office. |
| WHEN | Typically on for 12-14 hours per day. |
| HOW | In an appropriate fixture (clamp on, hanging or standing), use it to illuminate your growing space—no different than with any other plant lighting product. Do not look or stare directly into the Norb TROPIC (as is the case with all light bulbs). |

