

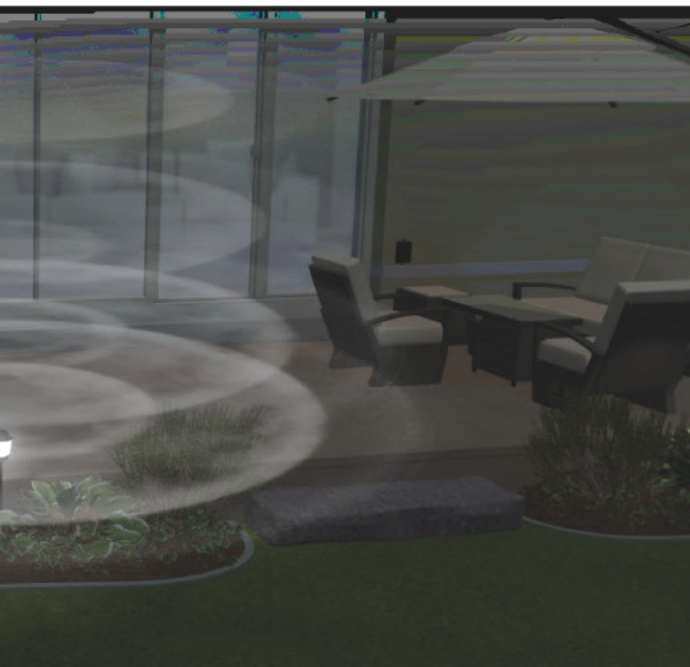
# MOSQUITO PROTECTION

## Haven's patented mosquito protection technology

- Each fixture repels biting mosquitoes for 110 square feet
- Four fixtures protect an average-size patio or deck
- Each 24 ml repellent cartridge provides season long\* protection

## Use in any outdoor environment: patios, decks, walkways, anywhere mosquito protection is needed

- Optional timer/controller enables automatic operation, when you want it, day or night. Use to operate lighting and repellent systems



# NuTone®

## haven™

Backyard Lighting & Mosquito Repellent System



TURN YOUR  
BACKYARD  
INTO A HAVEN  
all season long

A preferred choice of electrical pros since 1936.

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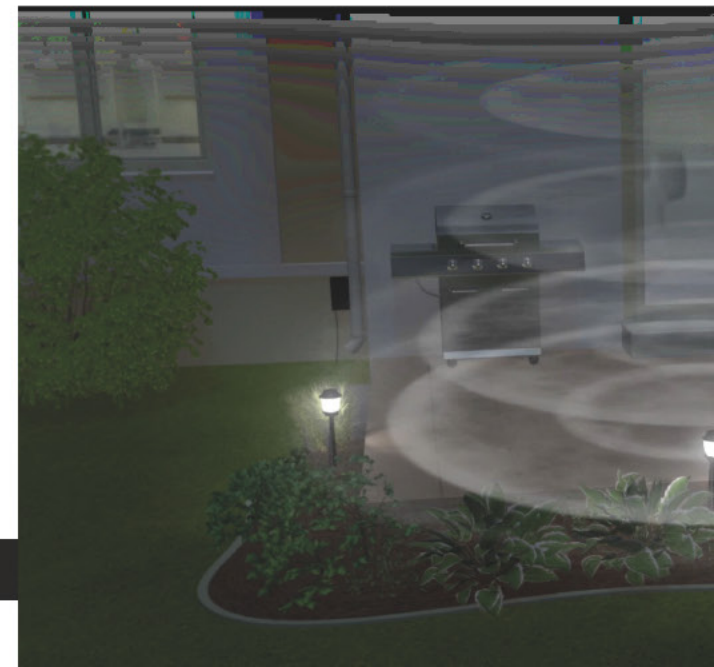
# DAY TO NIGHT

Don't let biting mosquitoes keep you from enjoying time outdoors with family and friends.

**Haven Backyard Light & Mosquito Repellent System** – innovative landscape fixtures that provide effective, convenient, season-long\* protection from biting mosquitoes.

## Haven's patented system:

- Provides protection within 15 minutes of use
- Provides protection against all types of mosquitoes
- Is odorless, silent and invisible during use – no smelly oils, smoke or zapping sounds
- Is easy to install
- Is designed to mount on a deck post, deck railing or



# AS EASY AS TURNING ON THE LIGHTS...

## Haven Backyard Light & Mosquito Repellent Fixture

Combines attractive, efficient LED lighting with mosquito repellency, to enhance your deck, patio, porch or yard.

- One 24 ml Haven Repellent Cartridge and adaptor cap included.
- 16 integrated LEDs provide 40 lumens at 2900K, last for 30,000 hours.
- Powder-coated, cast aluminum housing with UV stabilized polycarbonate lens.
- Available in Black (BL) or Bronze (BR) finish.
- Green LED indicator light on fixture glows when repellent system is on; flashes after 195 hours of use to indicate it is nearing time to check and/or replace repellent cartridge.
- 18" stem and 10" plastic ground stake included.
- 18" leads of 18-gauge cable, with tinned ends for easy insertion into cable connector.
- Two cable connectors and adaptors for 12-16 gauge cable included.
- Works with 12v and 15v AC transformer.
- 3 year limited warranty.



HVLFABL – Black

HVLFABR – Bronze



Child-resistant fixture opens with screwdriver for easy repellent cartridge replacement.



Fixtures include easy-to-use cable connector and adaptors.

## Haven Mosquito Repellent Fixture

Can be used to repel mosquitoes where lighting is not needed, or added to an existing low voltage lighting installation; discreet, low-profile fixtures blend into landscape.

- One 24 ml Haven Repellent Cartridge and adaptor cap included.
- Powder-coated, cast aluminum housing.
- Available in Black (BL) or Bronze (BR) finish.
- Green LED indicator light on fixture glows when repellent system is on; flashes after 195 hours of use to indicate it is nearing time to check and/or replace repellent cartridge.
- 12" stem and 10" plastic ground stake included.
- 18" leads of 18-gauge cable, with tinned ends for easy insertion into cable connector.
- One cable connector and adaptors for 12-16 gauge cable included.
- Works with 12v and 15v AC transformer.
- 3 year limited warranty.



HVRFABL – Black

HVRFABR – Bronze



Child-resistant fixture opens with screwdriver for easy repellent cartridge replacement.



# COMFORT AND CONVENIENCE WITH ADDITIONAL FEATURES

## Timer/Control

Allows programming of two circuits for automatic operation, either by time of day or by Solar Sensor (Example: set lights to turn on at dusk and remain on for 5 hours; set repellent to turn on at 7 pm and off at 9 pm).

- Enables single power supply to control two circuits independently: repellent and lighting.
- UV stabilized, high impact ABS case, in black.
- Includes back-up battery to save clock and program settings during intermittent power outage.
- Includes Solar Sensor and mounting hardware.
- Works with 12v and 15v AC transformer.
- 3 year limited warranty.



HVDCT

## Deck Mounting Flange

Use to mount Haven fixture to a deck railing, post or other flat, horizontal surface.

- Powder-coated, cast aluminum flange fits both types of Haven fixture.
- Available in Black (BL) or Bronze (BR) finish.
- Includes two mounting screws with color matched heads.
- 2" tall by 2.5" diameter.



HVPFBL – Black



HVPFBR – Bronze

## Repellent Cartridge

- Includes adaptor cap for easy insertion into Haven fixture.
- Fits both types of Haven fixtures.
- 24 ml of repellent provides 216 hours of protection.
- Actual hours of repellency may vary based on climate.
- Available in single pack and four pack.
- EPA Registration Number 1021-2618-90291



HVRC1 – Single Pack

HVRC4 – Four Pack

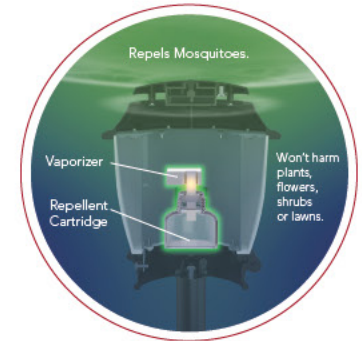
# SAY GOOD-BYE TO BITING MOSQUITOES



Four fixtures protect an average patio or deck (400 sq ft).



Easy installation using transformer and landscape cable. Install fixtures every 10 to 12 feet around the area you would like to protect.



Patented mosquito protection technology powered by low voltage electricity. Won't harm plants, flowers, shrubs or lawns.

## Electrical Specifications

POWER SOURCE	12 VAC		15 VAC	
	Amps	Watts	Amps	Watts
Repellent Fixture	0.919	8.4	0.754	7.5
LED Light & Repellent Fixture	1.051	9.3	0.873	8.4
LED Lighting Only (Repellent Vaporizer off)	0.132	0.9	0.119	0.9

NuTone®  
haven™



TURN YOUR  
BACKYARD  
INTO A HAVEN

*A preferred choice of electrical pros since 1936.*

# DAY TO NIGHT,

Turn your backyard  
into a HAVEN  
all season long.



## NuTone® Haven™ Backyard Lighting & Mosquito Repellent System

features innovative landscape fixtures that provide season-long\*, effective protection from biting mosquitoes. Don't let biting mosquitoes keep you from enjoying time outdoors with family and friends! Haven's patented mosquito protection system provides protection within 15 minutes of use and is effective against all types of mosquitoes. Four Haven fixtures protect a typical deck or patio for over 440 square feet of coverage. They're easy to install and designed to mount on a deck post, railing, or stake in the ground. Plus, you can add Haven to an existing low voltage lighting system or install with a transformer and cable for convenient protection from biting mosquitoes!

# MOSQUITO PROTECTION

Effective, convenient, season-long\* mosquito protection for your entire deck, porch or patio!



**Haven Backyard Light & Mosquito Repellent Fixture** combines attractive, efficient LED lighting with mosquito repellency, to enhance your patio, deck or yard.

**Each fixture repels biting mosquitoes for 110 square feet**

- Four fixtures protect an average patio or deck.
- Provides protection within 15 minutes of use.
- Odorless, silent, invisible during use – no smelly oils, smoke, or zapping sounds to disturb you.
- Easy to use – as easy as turning on the lights to say good-bye to biting mosquitoes.

**Each 24 ml Haven Repellent Cartridge provides season long\* protection**

- Convenient protection from mosquitoes: no batteries, candles, butane, or external fuels required, no spraying to schedule, no messy traps to empty.

**Haven Mosquito Repellent Fixture** can be used to repel mosquitoes where lighting is not needed, or added to an existing low voltage lighting installation; discreet, low-profile fixtures blend into landscape.



**Patented mosquito protection technology**

- Easy to install fixtures may be added to an existing low voltage system.
- Mount on a deck post, railing, or a stake in the ground.
- Won't harm plants, flowers, shrubs or lawns.

**Use in any outdoor environment: patios, decks, walkways, anywhere mosquito protection is needed**

- Optional timer/controller enables automatic operation, when you want it, day or night. Use to operate lighting and repellent systems separately from one transformer.

*\* 90 days of mosquito protection, when used an average of 2.4 hours/day*

# SEASON-LONG\* PROTECTION



HVLFABL –  
Black

HVLFABR –  
Bronze



Child-resistant fixture opens with screwdriver for easy repellent cartridge replacement.

## Light & Mosquito Repellent Fixture

- One 24 ml Haven Repellent Cartridge and adaptor cap included.
- 16 integrated LEDs provide 40 lumens at 2900K, last for 30,000 hours.
- Powder-coated, cast aluminum housing with UV stabilized polycarbonate lens.
- Available in Black (BL) or Bronze (BR) finish.
- Green LED indicator light on fixture glows when repellent system is on; flashes after 195 hours of use to indicate it is nearing time to check and/or replace repellent cartridge.
- 18" stem and 10" plastic ground stake included.
- 18" leads of 18-gauge cable, with tinned ends for easy insertion into cable connector.
- Two cable connectors and adaptors for 12-16 gauge cable included.
- Works with 12v and 15v AC transformer.
- 3 year limited warranty.



HVRFABL –  
Black

HVRFABR –  
Bronze



Child-resistant fixture opens with screwdriver for easy repellent cartridge replacement.

## Mosquito Repellent Fixture

- One 24 ml Haven Repellent Cartridge and adaptor cap included.
- Powder-coated, cast aluminum housing.
- Available in Black (BL) or Bronze (BR) finish.
- Green LED indicator light on fixture glows when repellent system is on; flashes after 195 hours of use to indicate it is nearing time to check and/or replace repellent cartridge.
- 12" stem and 10" plastic ground stake included.
- 18" leads of 18-gauge cable, with tinned ends for easy insertion into cable connector.
- One cable connector and adaptors for 12-16 gauge cable included.
- Works with 12v and 15v AC transformer.
- 3 year limited warranty.



Fixtures include easy-to-use cable connector and adaptors.

## Timer/Control

Allows programming of two circuits for automatic operation, either by time of day or by Solar Sensor (Example: set lights to turn on at dusk and remain on for 5 hours; set repellent to turn on at 7 pm and off at 9 pm).

- Enables single power supply to control two circuits independently: repellent and lighting.
- UV stabilized, high impact ABS case, in black.
- Includes back-up battery to save clock and program settings during intermittent power outage.
- Includes Solar Sensor and mounting hardware.
- Works with 12v and 15v AC transformer.
- 3 year limited warranty.



HVDCT



HVPFBL –  
Black

HVPFBR –  
Bronze

## Deck Mounting Flange

Use to mount Haven fixture to a deck railing, post or other flat, horizontal surface.

- Powder-coated, cast aluminum flange fits both types of Haven fixture.
- Available in Black (BL) or Bronze (BR) finish.
- Includes two mounting screws with color matched heads.
- 2" tall by 2 5/8" diameter.



HVRC1 –  
Single Pack

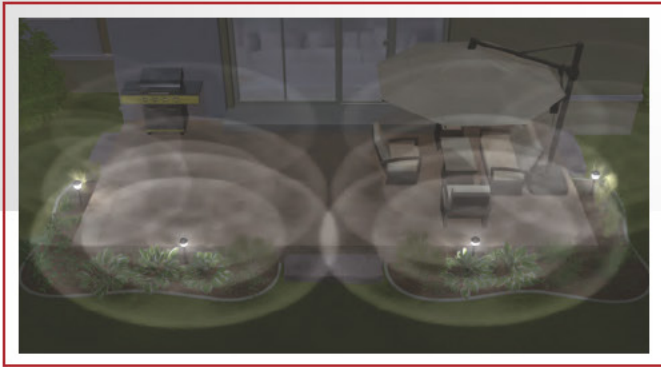
HVRC4 –  
Four Pack

## Repellent Cartridge

- Includes adaptor cap for easy insertion into Haven fixture.
- Fits both types of Haven fixtures.
- 24 ml of repellent provides 216 hours of protection.
- Actual hours of repellency may vary based on climate.
- Available in single pack and four pack.
- EPA Registration Number 1021-2618-90291

\* 90 days of mosquito protection, when used an average of 2.4 hours/day

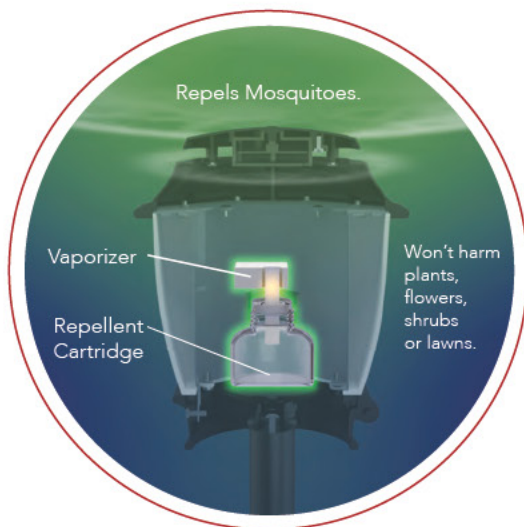
# AS EASY AS TURNING ON THE LIGHTS TO SAY GOOD-BYE TO BITING MOSQUITOES!



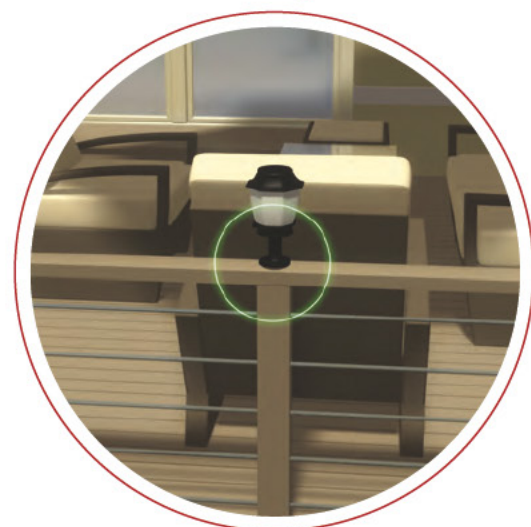
Four fixtures protect an average patio or deck (400 sq ft).



Easy installation using transformer and landscape cable. Install fixtures every 10 to 12 feet around the area you would like to protect.



Patented mosquito protection technology powered by low voltage electricity.



Optional mounting flange for posts and railings.

## What is Metofluthrin?

Repellent active ingredient is 4% Metofluthrin, an effective mosquito repellent that has undergone extensive toxicology testing and evaluation and has been accepted for consumer use by the U.S. EPA. Metofluthrin has been used in mosquito repellent products in the United States since 2009.

Electrical Specifications				
POWER SOURCE	12 VAC		15 VAC	
	Amps	Watts	Amps	Watts
Repellent Fixture	1.2 Max	9	1.0 Max	9
LED Light & Repellent Fixture	1.2 Max	11	1.0 Max	11