# AQUEOUS NEON

NOVA FLEX

The Aqueous Neon Series is certified to the highest standard, UL676, making it safe for use in swimming pools and other inhabitable bodies of water.

- Submersible / Inhabitable
- Commercial / Residential
- Pools / Spas

INSPECTION READY

## Physical

| | |
|---|---|
| Operating Temp | -15° to 140°F (-25° to 60°C) |
| Environment | IP68 Rugged (Water/chemical resistant) |
| Cut Marks | See diagram below |
| Mounting | Channel (Required) |
| Required Lead Length | 16.4 ft or 32.8 ft |

## Performance

| | |
|---|---|
| Lumen Maintenance | 50,000 Hrs |
| Warranty | 3 years |
| CCT Binning | <3SDCM |
| Certifications | UL 676 |

## Electrical

| | |
|---|---|
| Voltage | 24V |
| Wire Size | 18 AWG. 2 Wire |
| Lead | 16.4 ft or 32.8 ft |
| Jumper | No Jumpers |
| Dimming | MLV \| 0-10V \| S3i Series Controller |

| | CCT | CRI | Lumens/ft | Efficacy (lm/w) | Power (w/ft) | Max Run |
|---|---|---|---|---|---|---|
| Aqueous Neon | 2700K* | 83 | 153 | 44 | 3.4 | 26.2 ft |
| | 3000K* | 82 | 164 | 49 | | |
| | 5700K* | 83 | 151 | 45 | | |
| | Red* | N/A | 57 | 26 | 2.2 | |
| | Green* | N/A | 155 | 46 | 3.4 | |
| | Blue* | N/A | 25 | 7 | | |

*Lumens have a tolerance of +/- 10%.*

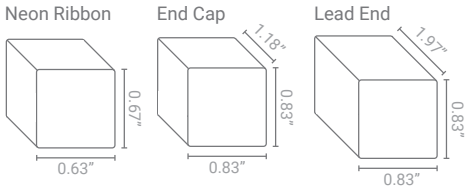
## Complete Solution

| | |
|---|---|
| Step 1 | Build your ribbon order code |
| Step 2 | Select your channel (pg 2) |
| Step 3 | Select your power and controls (pg 3-5) |
| Step 4 | Select your accessories (pg 6) |
| Step 5 | Contact your local agent or Nova Flex Rep. |

END CAP: 1.18 x 0.83 x 0.83 in

LEAD END: 1.97 x 0.83 x 0.83 in

## Dimensions




| ORDER CODE | SERIES | ENV | VOLTAGE | CCT |
|---|---|---|---|---|
| NF | NEON | UW | 24V | |
| NF | NEON | UW = IP68* | 24V | 2700K*<br>3000K*<br>57000K*<br>RED*<br>GREEN*<br>BLUE* |

**DID YOU KNOW?**

Product is cut, soldered & shipped ready to install in 1 - 4 business days.

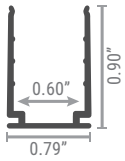
*Special order, allow 4 - 6 weeks delivery.

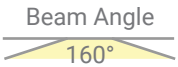
INSTALL GUIDE | PHOTOMETRICS

# AQUEOUS NEON CHANNEL & CLIP

NF-CH-UW-1M

NOVA FLEX




## Physical

| | |
|---|---|
| Material | Plastic |
| Length | 35MM \| 1M** |
| Color | Clear<br>NF-CH-UW-1M**<br>NF-CH-UW-35MM |

## Mounting Options

Direct Mount

# **POWER SUPPLY OPTIONS** AQUEOUS NEON SERIES

| Product Image | Product Code | Wattage | Output Current | Input Voltage | Safety | Downloads |
|---|---|---|---|---|---|---|
| **0-10V** | | | | | | |
| | NF-PS-MAXX-30W-24V-0/10V | 30W | 1.25A | 100 - 277 VAC | UL8750 Class 2 | SPEC SHEET |
| | NF-PS-MAXX-288W-24V-0/10V | 3 x 96W | 20A | 3A Max | UL 7850 UL1310 | SPEC SHEET |
| | NF-PS-96W-24V-0/10V | 96W | 0.96A Max | 120-277 VAC | UL8750 Class 2 Class P | SPEC SHEET |
| **ELV, MLV, TRIAC, PHASE** | | | | | | |
| | NF-PS-MAXX-96W-24V | 96W | 4A | 100 - 277 VAC | UL 7850 UL1310 | SPEC SHEET |
| **MLV** | | | | | | |
| | NF-PSEZJ192L24 | 2 X 96W | 2.67A | 120 VAC | UL Approved Class 2 | SPEC SHEET |
| | NF-PSEZJ288L24 | 3 x 96W | 4.00A | | | |
| | NF-PS-E20L24 | 20W | 0.87A | 120 VAC | UL8750 Class 2 Nema 3R | SPEC SHEET |
| | NF-PS-E40L24 | 40W | 1.75A | | | |
| | NF-PS-E60L24 | 60W | 2.63A | | | |
| | NF-PS-E75L24 | 75W | 3.30A | | | |
| | NF-PS-E96L24 | 96W | 4.00A | | | |

# **POWER SUPPLY OPTIONS** AQUEOUS NEON SERIES

| Product Image | Product Code | Wattage | Output Current | Input Voltage | Safety | Downloads |
|---|---|---|---|---|---|---|
| **NON-DIM** | | | | | | |
| | NF-PS-MAXX-288W-24V | 3 x 96W | 20A | 3A Max | UL 7850<br>UL1310 | SPEC SHEET |
| | NF-PS-35W-24V-HW | 35W | Input 1.1A Max<br>Output 1.5A / 24V | 100 - 240 VAC | UL E345214<br>Class 2 | SPEC SHEET |
| | NF-PS-60W-24V-HW | 60W | Input 1.2A Max<br>Output 2.5A / 24V | 100 - 240 VAC | UL E345214<br>Class 2 | SPEC SHEET |
| | NF-PS-96W-24V | 96W | Input 0.96A Max<br>Output 4.1A / 24V | 120 - 277 VAC | UL E345214<br>Class 2 | SPEC SHEET |
| | NF-PS-HLG100W24V-HW | 100W | Input 1.2A Max<br>Output 4.0A / 24V | 100 - 277 VAC | UL E345214<br>Class 2 | SPEC SHEET |
| **PLUG & PLAY** | | | | | | |
| | NF-PS-12W-24V-WM | 12W | 0.25A Max | 100 - 240 VAC | UL E345214<br>Class 2 | SPEC SHEET |
| | NF-PS-24W-24V-WM | 24W | 0.5A Max | | | |
| | NF-PS-36W-24V-TT | 36W | 0.9A Max | 100 - 240 VAC | UL E345214<br>Class 2 | SPEC SHEET |
| | NF-PS-60W-24-TT | 60W | 1.5A Max | | | |
| | NF-PS-100W-24V-TT | 100W | 4.0A Max | | | |
| **LUTRON** | | | | | | |
| | Lutron Hi-Lume 1% EcoSys-tem/3-Wire 24V<br>NF-PS-L3DA-40W-24V-KL | 40W | 3.3A | 120 - 277 VAC | UL | SPEC SHEET |
| | Lutron Hi-Lume Premier 0.1% EcoSystem/3-Wire 24V<br>NF-PS-L3DO-96W-24V | 96W | 4.0A | 120 - 277 VAC | UL | SPEC SHEET |
|  | Lutron Hi-Lume 1% EcoSystem 24V LED Stick Driver<br>NF/SP-PS-L3DA-40W-24V-M | 40W | 1.0A | 120 - 277 VAC | UL | SPEC SHEET |

# CONTROL OPTIONS AQUEOUS NEON SERIES

If you have a large project, these controls can be paired with our Universal Amplifier.

| Product Image | Product Code | Details | Pair With | Downloads |
|---|---|---|---|---|
| **S3I CONTROL SERIES** | | | | |
| | **S3i Rotary Wall Mount**<br>NF-S3i-RC-D | Zones: 1<br>Power Consumption: 200ma<br>Dimming Function: 0 - 100%<br>Battery Operated: Included | NF-S3i-WR-1009 | SPEC SHEET |
| | **S3i Touch Static Dimmer**<br>NF-S3i-TP-D | Zones: 4<br>Power Consumption: 200ma<br>Dimming Function: 0 - 100% | NF-S3i-WR-1009 | SPEC SHEET |
| | **S3i Hand-held Static Dimmer**<br>NF-S3i-WC-D | Zones: 6<br>Dimming Function: 0 - 100%<br>Battery Operated: 3 AAA | NF-S3i-WR-1009 | SPEC SHEET |
| | **S3i Push Button Wall Mount Static Dimmer**<br>NF-S3i-PB-D | Zones: 1<br>Dimming Function: 0 - 100%<br>Battery Operated: 3V (CR2025) | NF-S3i-WR-1009 | SPEC SHEET |
| | **S3i WiFi RF Converter**<br>NF-S3i-WC-WIFI | Output Power: RF Signal<br>Operating Frequency: 2.4G<br>Dimming: 0 - 100% | NF-S3i-WR-1009 | SPEC SHEET |
| | **S3i Wireless Receiver**<br>NF-S3i-WR-1009 | Output Power: 240 - 720w<br>Output Current: 4 CH. 5A/CH<br>Input: 12 - 36V DC<br>Dimming: 0 - 100% | NF-A-UNV | SPEC SHEET |
| **OTHER CONTROLS AND AMPLIFIER** | | | | |
| | **LT Static Dimmer**<br>NF-WC-D | Zones: 1<br>Receiver Voltage: 12 - 24V DC<br>Receiver Power Capacity: 126W (24V)<br>Remote Voltage: 3V (CR2025)<br>Remote Working Frequency: 433.92 MHz | NF-A-UNV | SPEC SHEET |
| | **LED DMX Decoder**<br>NF/SP-DMX-5A-4CH | Input Voltage: 12 - 24V DC<br>Max Output Power: 480W<br>Max Load Current: 20A (5A/4CH)<br>Short Circuit / Over Load Recover Automatically<br>Control Method: DMX512 RJ45 | Electronic Non-Dimming Driver | SPEC SHEET |
| | **0-10V - 12/24V Dimming Module**<br>NF-D-0/10V | Input Signal: 0-10V, 1-10V, 10V PWM, Push Button<br>Input Voltage: 12 - 24V DC<br>Max Load Current: 1 CH (10A/CH)<br>Max Output Power: 120W/288W (12V/24V)<br>Dimming Range: 0 - 100% | Electronic Non-Dimming Driver | SPEC SHEET |
| | **Universal Amplifier**<br>NF-A-UNV | Input Voltage: 12 - 36V DC<br>Input Signal: PWM<br>Max Load Current: 20A (5A/4CH)<br>Max Output Power: 240 - 720W | All Above Products | SPEC SHEET |

# **CONTROL OPTIONS** DESIGN SERIES

If you have a large project, these controls can be paired with our Universal Amplifier.

| Product Image | Product Code | Details | Pair With | Downloads |
|---|---|---|---|---|
| **LUTRON CONTROL** | | | | |
| | **Lutron Vive PowPak**<br>NF/SP-VIVE-FCJS-ECO | See Spec Sheet for Details | | SPEC SHEET |
| | **Lutron 120-277V PowPak Wireless Dimming Module**<br>NF-POWPAK-LMJ-5T-DV-B | See Spec Sheet for Details | 0-10V Driver | SPEC SHEET |
| | **Lutron Pico Remote**<br>NF-PICO-PJ2-3BRL-GWH-L01 | See Spec Sheet for Details | Lutron 120-277V PowPak Wireless Dimming Module | SPEC SHEET |

# **ACCESSORY OPTIONS** AQUEOUS NEON SERIES

| Product Image | Product Code | Dimensions |
|---|---|---|
| | **Hardwire to Female Quick Connect Adapter**<br>NF-C-F | Available Lengths:<br>6in, 1ft, 2ft, 3ft, 4ft, 5ft, 6ft, & 10ft |
| | **Hardwire to Male Quick Connect Adapter**<br>NF-C-M | Available Lengths:<br>6in, 1ft, 2ft, 3ft, 4ft, 5ft, 6ft, 8ft & 10ft |
| | **Male to Female Quick Connect Adapter**<br>NF-C-MF | Available Lengths: 3ft, 6ft &10ft |
| | **Y Cable 2 Male, 1 Female**<br>NF-C-Y | Total Length: 20.00 in |
| | **Y Cable 4 Male, 1 Female**<br>NF-C-Y-4Y | Total Length: 20.00 in |
| | **Y Cable 8 Male, 1 Female**<br>NF-C-Y-8Y | Total Length: 17.25 in |
| | **Female Quick Connect to Hardwire Adapter**<br>NF-C-F/HW | 1.5 x 0.5 x 0.5 in |
| | **Male Quick Connect to Hardwire Adapter**<br>NF-C-M/HW | 1.5 x 0.5 x 0.5 in |
| | **Hard Clips 20 per pack**<br>NF-CLIPS-H | 1.125 x 0.25 in<br>Clips add 0.125” to height of lights |
| | **Soft Clips 20 per pack**<br>NF-CLIPS-S | 1.125 x 0.25 in<br>Clips add 0.125” to height of lights |

FOR MORE INFORMATION CLICK HERE

PROJECT SUPPORT | INSTALLATION | WHY NOVA FLEX | RESOURCES