

# H2 SERIES

NOVA<sup>®</sup>FLEX<sup>®</sup>

This highly efficient, 80+ CRI LED strip can be used for accent or task lighting.

- Dry / Wet Environment
- Smooth, Flicker-free Dimming
- High Output & Efficacy



| ORDER CODE   | SERIES | ENV                   | LEDS/M | VOLTAGE | CCT       |
|--------------|--------|-----------------------|--------|---------|-----------|
| NF<br>NF/SP* | H2     | O = IP65<br>W = IP68* | 128    | 24V     | SEE TABLE |



## Physical

|                |   |
|----------------|---|
| Operating Temp | IP65: -15° to 140°F (-25° to 60°C)<br>IP68*: -15° to 176°F (-25° to 80°C) |
| Environment    | IP65 (Dust/splash proof)<br>IP68* (Water/chemical resistant)              |
| Mounting       | 3M Adhesive   Clips   Channels  |
| Cut Length     | 2.46 inches   |

## Quality Assurance

|                   |                |
|-------------------|----------------|
| Lumen Maintenance | 50,000 Hrs     |
| Warranty          | 5 years        |
| CCT Binning       | 3-step MacAdam |
| Certifications    | UL             |

## Electrical

|           |   |
|-----------|---|
| Voltage   | 24V   |
| Wire Size | 20 AWG. 2 Wire  |
| Lead      | Default: 120 Inch<br>IP65: 2 Inch Minimum<br>IP68*: 3 Inch Minimum<br>Quick Connect: 3 - 120 Inch |
| Jumper    | IP65 & IP68*: 3 Inch Minimum  |
| Dimming   | MLV   0-10V   S3i Control Series  |

## Dimensions



Standard IP65



Rugged IP68



|        | CCT | CRI | Lumens/ft | Efficacy (lm/w) | Power (w/ft) | Max Run |
|--------|-----|-----|-----------|-----------------|--------------|---------|
| 2500K* | 77  | 697 | 104       |                 |              |         |
| 2700K  | 81  | 771 | 115       |                 |              |         |
| 3000K  | 82  | 759 | 113       |                 | 6.7          | 13.5 ft |
| 3500K  | 84  | 898 | 134       |                 |              |         |
| 4100K  | 84  | 935 | 140       |                 |              |         |
| 5500K  | 82  | 782 | 117       |                 |              |         |

Data listed is for IP65 LED strip. Lumens have a tolerance of +/- 10%.

## Complete Solution

|        |                                 |
|--------|---------------------------------|
| Step 1 | Build the LED order code        |
| Step 2 | Select channel                  |
| Step 3 | Select power and controls       |
| Step 4 | Select accessories              |
| Step 5 | Contact your Agent or Nova Flex |

INSTALL GUIDE | PHOTOMETRICS

# H2 SERIES CHANNEL OPTIONS

**NOVA**<sup>®</sup>FLEX<sup>®</sup>

|           | Product Image   | Product Code   | Color                      | Lens Options | Dimensions  | Downloads                  |
|-----------|---|--|----------------------------|--------------|---|----------------------------|
| Angled    |    | <b>Angled 1919U</b><br>NF-CH-1919U-2M  | Silver<br>White*<br>Black* | CL SF BK*    |    | <a href="#">SPEC SHEET</a> |
|           |    | <b>Angled 3030 - CR</b><br>NF-CH-3030-C/CLEAR/CR-2M<br>NF-CH-3030-C/SOFT/CR-2M | Silver<br>White*<br>Black* | CL SF BK*    |    | <a href="#">SPEC SHEET</a> |
|           |    | <b>Angled 3030 - SQ</b><br>NF-CH-3030-C/CLEAR/SQ-2M<br>NF-CH-3030-C/SOFT/SQ-2M | Silver<br>White*<br>Black* | CL SF BK*    |    | <a href="#">SPEC SHEET</a> |
| Bendable  |    | <b>Bendable 1806</b><br>NF-CH-1806-2M  | Silver<br>White*<br>Black* | CL SF BK*    |    | <a href="#">SPEC SHEET</a> |
|           |   | <b>Bendable 3916</b><br>NF-CH-3916-2M  | Silver<br>White*<br>Black* | CL SF BK*    |   | <a href="#">SPEC SHEET</a> |
| Mud-In    |  | <b>Mud-In 6214</b><br>NF-CH-6214-2M  | Silver<br>White*<br>Black* | CL SF BK*    |  | <a href="#">SPEC SHEET</a> |
| Recessed  |  | <b>Recessed 2515</b><br>NF-CH-2515-2M  | Silver<br>White*<br>Black* | CL SF BK*    |  | <a href="#">SPEC SHEET</a> |
|           |  | <b>Recessed 4540</b><br>NF-CH-4540-2M  | Silver<br>White*<br>Black* | SF BK*       |  | <a href="#">SPEC SHEET</a> |
|           |  | <b>Recessed 6017</b><br>NF-CH-6017-2M  | Silver<br>White*<br>Black* | CL SF BK*    |  | <a href="#">SPEC SHEET</a> |
| Universal |  | <b>Universal 2217</b><br>Magnetic/Suspended/Surface<br>NF-CH-2217-2M           | Silver<br>White*<br>Black* | CL SF BK*    |  | <a href="#">SPEC SHEET</a> |
| Suspended |  | <b>Suspended 3030 RN</b><br>NF-CH-3030-RN-2M                                   | Silver<br>White*<br>Black* | SF           |  | <a href="#">SPEC SHEET</a> |

# H2 SERIES CHANNEL OPTIONS

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|           |   |   |                            |               |   |                            |
|-----------|---|---|----------------------------|---------------|---|----------------------------|
| Surface   |    | <b>Surface 1707</b><br>NF-CH-1707-2M                  | Silver<br>White*<br>Black  | CL SF SL BK * |    | <a href="#">SPEC SHEET</a> |
|           |    | <b>Surface 1707 - 30°</b><br>NF-CH-1707-C/CLEAR/30-2M | Silver<br>White*<br>Black  | CL BK *       |    | <a href="#">SPEC SHEET</a> |
|           |    | <b>Surface 1707 - 60°</b><br>NF-CH-1707-C/CLEAR/60-2M | Silver<br>White*<br>Black  | CL BK *       |    | <a href="#">SPEC SHEET</a> |
|           |    | <b>Surface 1813</b><br>NF-CH-1813-2M                  | Silver<br>White*<br>Black  | CL SF BK *    |    | <a href="#">SPEC SHEET</a> |
|           |    | <b>Surface 3525</b><br>NF-CH-3525-2M                  | Silver<br>White*<br>Black* | CL SF BK *    |    | <a href="#">SPEC SHEET</a> |
| Lens Only |   | <b>Surface 4517</b><br>NF-CH-4517-2M                  | Silver<br>White*<br>Black* | CL SF BK *    |   | <a href="#">SPEC SHEET</a> |
|           |  | <b>Channel-less 2913</b><br>NF-CH-2913-C/SOFT-2M      | N/A                        | SF            |  | <a href="#">SPEC SHEET</a> |

| DOTTING with soft lens |            | H2-O-128 | H2-W-128 |
|------------------------|------------|----------|----------|
| Angled                 | 1919U      | 1        | x        |
|                        | 3030 SQ/CR | 0        | 0        |
| Bendable               | 1806       | 2        | x        |
|                        | 3916       | 1        | 1        |
| Mud-In                 | 6214       | 1        | 1        |
| Recessed               | 2515       | 0        | x        |
|                        | 4540       | 0        | 0        |
|                        | 6017       | 1        | 1        |
| Universal              | 2217       | 1        | 1        |
| Suspended              | 3030 RN    | 0        | 0        |
| Surface                | 1707       | 2        | x        |
|                        | 1813       | 1        | 1        |
|                        | 3525       | 0        | 0        |
|                        | 4517       | 1        | 1        |
| Channel-less           | 2913       | 0        | x        |



0 - No Dotting



1 - Slight Dotting



2 - Blurred Dotting



3 - Clear Dotting

x Not Compatible






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# H2 SERIES DRIVER OPTIONS












|                         | Product Image   | Product Code  | Wattage | Current/Voltage   | Safety                              | Downloads                  |
|-------------------------|---|---|---------|---|-------------------------------------|----------------------------|
| Universal Dim / Non-Dim |    | NF-PS-UNV-60W-24V<br>Dim 0-10V, MLV, ELV TRIAC<br>View spec sheet for all options             | 60W     | Output Current: 2.5A<br>Input Voltage: 100-277 VAC      | UL8750<br>Class 2<br>Type HL<br>FCC | <a href="#">SPEC SHEET</a> |
|                         |    | NF-PS-UNV-96W-24V<br>Dim 0-10V, MLV, ELV TRIAC<br>View spec sheet for all options             | 96W     | Output Current: 4A<br>Input Voltage: 100-277 VAC        | UL8750<br>Class 2<br>Type HL<br>FCC | <a href="#">SPEC SHEET</a> |
|                         |    | NF-PS-UNV-288W-24V<br>Dim 0-10V, MLV, ELV TRIAC<br>View spec sheet for all options            | 288W    | Output Current: 3x4A<br>Input Voltage: 100-277 VAC      | UL8750<br>Class 2<br>Type HL<br>FCC | <a href="#">SPEC SHEET</a> |
|                         |    | NF-PS-UNV-384W-24V<br>Dim 0-10V, MLV, ELV TRIAC<br>View spec sheet for all options            | 384W    | Output Current: 4x4A<br>Input Voltage: 100-277 VAC      | UL8750<br>Class 2<br>Type HL<br>FCC | <a href="#">SPEC SHEET</a> |
| 0 - 10V Dim Only        |   | NF-PS-MAXX-30W-24V-0/10V  | 30W     | Output Current: 1.25A<br>Input Voltage: 100-277 VAC     | UL8750<br>Class 2<br>Type HL<br>FCC | <a href="#">SPEC SHEET</a> |
|                         |  | NF-PS-MAXX-288W-24V-0/10V   | 288W    | Output Current: 20A<br>Input Voltage: 100-277 VAC       | UL 7850<br>UL1310                   | <a href="#">SPEC SHEET</a> |
|                         |  | NF-PS-96W-24V-0/10V   | 96W     | Output Current: 0.96A Max<br>Input Voltage: 120-277 VAC | UL8750<br>Class 2                   | <a href="#">SPEC SHEET</a> |
| Lutron                  |  | NF-PS-L3DA-40W-24V-KL<br>Lutron Hi-Lume 1%<br>EcoSystem/3-Wire 24V                            | 40W     | Output Current: 3.3A<br>Input Voltage: 120-277 VAC      | UL8750<br>Class 2<br>Type TL        | <a href="#">SPEC SHEET</a> |
|                         |  | NF-PS-L3DO-96W-24V<br>Lutron Hi-Lume Premier<br>0.1% EcoSystem/3-Wire<br>24V Constant Voltage | 96W     | Output Current: 4.0A<br>Input Voltage: 120-277VAC       | UL8750<br>CSA250.13-14<br>Class 2   | <a href="#">SPEC SHEET</a> |

[FOR MORE PRODUCT OPTIONS CLICK HERE](#)

# H2 SERIES CONTROL OPTIONS

|            | Product Image   | Product Code  | Details  | Downloads                  |
|------------|---|---|--|----------------------------|
| S3i Series |    | <b>S3i Glass Touch-Panel</b><br>NF-S3i-TP-D   | Required to Pair: S3i-WR-1009<br>Zones: 4<br>Power Consumption: 200ma<br>Dimming Function: 0 - 100%                          | <a href="#">SPEC SHEET</a> |
|            |    | <b>S3i Hand-Held Remote</b><br>NF-S3i-WC-D  | Required to Pair: S3i-WR-1009<br>Zones: 6<br>Dimming Function: 0 - 100%<br>Battery Operated: 3 AAA                           | <a href="#">SPEC SHEET</a> |
|            |    | <b>S3i Push Button Wall Mount</b><br>NF-S3i-PB-D  | Required to Pair: S3i-WR-1009<br>Zones: 1<br>Dimming Function: 0 - 100%<br>Battery Operated: 3V (CR2025)                     | <a href="#">SPEC SHEET</a> |
|            |    | <b>S3i Wireless Receiver</b><br>All controls above require this product<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%<br>Can pair with NF-A-UNV | <a href="#">SPEC SHEET</a> |
| Amplifier  |  | <b>Universal Amplifier</b><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            | <a href="#">SPEC SHEET</a> |

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| Product Image   | Product Code   | Dimensions  |
|---|--|---|
|     | <b>Hardwire to Female Quick Connect Adapter</b><br>NF-C-F    | Available Lengths:<br>6in, 1ft, 2ft, 3ft, 4ft, 5ft, 6ft, & 10ft     |
|     | <b>Hardwire to Male Quick Connect Adapter</b><br>NF-C-M      | Available Lengths:<br>6in, 1ft, 2ft, 3ft, 4ft, 5ft, 6ft, 8ft & 10ft |
|     | <b>Male to Female Quick Connect Adapter</b><br>NF-C-MF       | Available Lengths: 3ft, 6ft & 10ft                                  |
|    | <b>Y Cable</b><br><b>2 Male, 1 Female</b><br>NF-C-Y          | Total Length: 20.00 in  |
|    | <b>Y Cable</b><br><b>4 Male, 1 Female</b><br>NF-C-Y-4Y       | Total Length: 20.00 in  |
|   | <b>Y Cable</b><br><b>8 Male, 1 Female</b><br>NF-C-Y-8Y       | Total Length: 17.25 in  |
|  | <b>Female Quick Connect to Hardwire Adapter</b><br>NF-C-F/HW | 1.5 x 0.5 x 0.5 in  |
|  | <b>Male Quick Connect to Hardwire Adapter</b><br>NF-C-M/HW   | 1.5 x 0.5 x 0.5 in  |
|   | <b>Hard Clips</b><br><b>20 per pack</b><br>NF-CLIPS-H        | 1.125 x 0.25 in<br>Clips add 0.125" to height of lights             |
|   | <b>Soft Clips</b><br><b>20 per pack</b><br>NF-CLIPS-S        | 1.125 x 0.25 in<br>Clips add 0.125" to height of lights             |
|  | <b>Universal Adjustable Clip</b><br>NF-CH-UNV-CLIPS/ADJ      | 1.13 x 1.00 in  |

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INFORMATION  
CLICK HERE



PROJECT SUPPORT

INSTALLATION

WHY NOVA FLEX