

H2 SERIES

NOVA FLEX®

The Nova Flex H2 Series is an elite ribbon line that offers high output and very high efficacy.

- Indoor / Outdoor
- Commercial / Residential
- Direct Lighting Fixtures



INSPECTION
READY✓

Physical

Operating Temp	IP65: -15° to 140°F (-25° to 60°C) IP68: -15° to 176°F (-25° to 80°C)
Environment	IP65 Standard (Dust/splash proof) IP68 Rugged* (Water/chemical resistant)
Mounting	3M Adhesive Clips Channels
Cut Length	See diagram below

Performance

Lumen Maintenance	50,000 Hrs
Warranty	5 years
CCT Binning	<3SDCM
Certifications	UL

Electrical

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

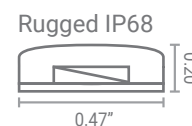
	CCT	CRI	Lumens/ft	Efficacy (lm/w)	Power (w/ft)	Max Run
H2	2500K*	77	697	104	6.7	13.5 ft
	2700K	81	771	115		
	3000K	82	759	113		
	3500K	84	898	134		
	4100K	84	935	140		
	5500K	82	782	117		

Lumens have a tolerance of +/- 10%.

Complete Solution

- Step 1 Build your ribbon order code
- Step 2 Select your channel (pg 3-4)
- Step 3 Select your power and controls (pg 5-7)
- Step 4 Select your accessories (pg 8)
- Step 5 Contact your local agent or Nova Flex Rep.

Ribbon Dimensions



ORDER CODE	SERIES	ENV	LEDS/M	VOLTAGE	CCT
NF NF/SP*	H2	O = IP65 W = IP68	128	24V	2500K* 2700K 3000K 3500K 4100K 5500K*

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

*Special order, allow 4 - 6 weeks delivery.

Designed & Assembled in Minnesota.

Specifications are subject to change without notice.

800.595.6302 novaflexled.com | 01

INSTALL GUIDE | PHOTOMETRICS

CHANNEL OPTIONS H2 SERIES



0 No Dotting **1** Slight Dotting **2** Blurred Dotting **3** Clear Dotting

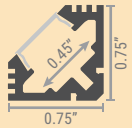
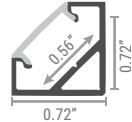
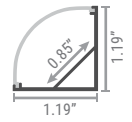
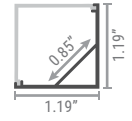
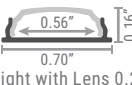
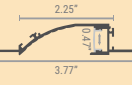
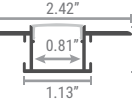
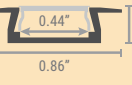
Special Order
×
Not Compatible
Compatible

CHANNEL		H2 STANDARD IP65	H2 RUGGED IP68
		128	128
Angled	1919*	1	x
	1919U	1	x
	3030 SQ/CR	0	0
Bendable	1806	3	x
	3916	1	0
Channeless	2913	0	0
Mud-In	1896*	0	x
	6214	1	0
Recessed	2206*	3	x
	2515	0	x
	4540	0	0
	6017	1	0
	7227*	0	0
Stair	8050*	0	x
Surface	1522*	3	3
	1707	2	x
	1813	1	x
	2216*	0	0
	3006*	3	x
	3525	0	0
	4517	1	0
Suspended	3030 RN	0	0
	3735*	0	0
	5050*	0	0
	Highwire	3	3
Universal	2217	0	0

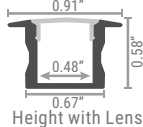
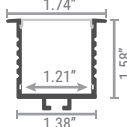
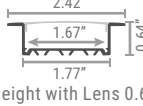
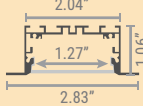
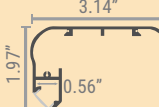
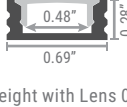
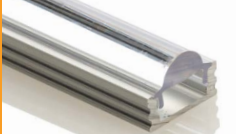
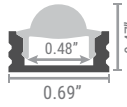
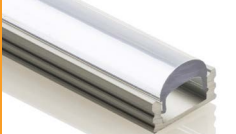
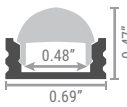
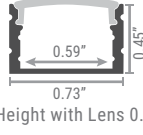
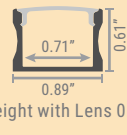
All levels were tested with a soft lens.

*Special order, allow 4 - 6 weeks delivery, MOQ may apply.

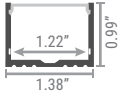
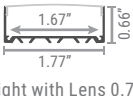
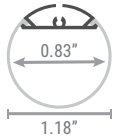
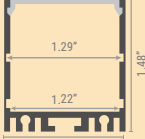
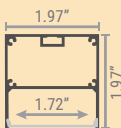
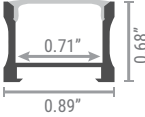
CHANNEL OPTIONS H2 SERIES

Product Image	Product Code	Color	Lens Options	Dimensions	Downloads
Angled	 Angled 1919* NF/SP-CH-1919-2M	Silver White* Black*	CL SF BK *		SPEC SHEET
	 Angled 1919U NF-CH-1919U-2M	Silver White* Black*	CL SF BK *		SPEC SHEET
	 Angled 3030 - CR NF-CH-3030-C/CLEAR/CR-2M NF-CH-3030-C/SOFT/CR-2M	Silver White* Black*	CL SF BK *		SPEC SHEET
	 Angled 3030 - SQ NF-CH-3030-C/CLEAR/SQ-2M NF-CH-3030-C/SOFT/SQ-2M	Silver White* Black*	CL SF BK *		SPEC SHEET
Bendable	 Bendable 1806 NF-CH-1806-2M	Silver White* Black*	CL SF BK *	 Height with Lens 0.22"	SPEC SHEET
	 Bendable 3916 NF-CH-3916-2M	Silver White* Black*	CL SF BK *	 Height with Lens 0.69"	SPEC SHEET
Channelless	 Channelless Lens NF-CH-2913-C/SOFT-2M	N/A	SF		SPEC SHEET
Mud-In	 Mud-In 1896* NF/SP-CH-1896-2M	Silver* White* Black*	CL * SF * SL * BK *		SPEC SHEET
	 Mud-In 6214 NF-CH-6214-2M	Silver White* Black*	CL SF BK *	 Height with Lens 0.58"	SPEC SHEET
Recessed	 Recessed 2206* NF/SP-CH-2206-2M	Silver* White* Black*	SF * SL *		SPEC SHEET

CHANNEL OPTIONS H2 SERIES

Recessed		Recessed 2515 NF-CH-2515-2M	Silver White* Black*	CL SF BK*		SPEC SHEET
		Recessed 4540 NF-CH-4540-2M	Silver White* Black*	SF BK*		SPEC SHEET
		Recessed 6017 NF-CH-6017-2M	Silver White* Black*	CL SF BK*		SPEC SHEET
		Recessed 7227* NF/SP-CH-7227-2M	Silver* White* Black*	CL* SF* SL* BK*		SPEC SHEET
Stair		Stair 8050* NF/SP-CH-8050-2M	Silver* White* Black*	CL* SF* BK*		SPEC SHEET
		Surface 1522* NF/SP-CH-1522-2M	Silver* White* Black*	N/A		SPEC SHEET
Surface		Surface 1707 NF-CH-1707-2M	Silver White* Black*	CL SF SL* BK*		SPEC SHEET
		Surface 1707 - 30° NF-CH-1707-C/CLEAR/30-2M	Silver White* Black*	CL BK*		SPEC SHEET
		Surface 1707 - 60° NF-CH-1707-C/CLEAR/60-2M	Silver White* Black*	CL BK*		SPEC SHEET
		Surface 1813 NF-CH-1813-2M	Silver White* Black*	CL SF BK*		SPEC SHEET
		Surface 2216* NF/SP-CH-2216-2M	Silver* White* Black*	CL* SF* SL* BK*		SPEC SHEET

CHANNEL OPTIONS H2 SERIES

Surface		Surface 3525 NF-CH-3525-2M	Silver White* Black*	CL SF BK*		SPEC SHEET
		Surface 4517 NF-CH-4517-2M	Silver White* Black*	CL SF BK*	 Height with Lens 0.70"	SPEC SHEET
Suspended		Suspended 3030 RN NF-CH-3030-RN-2M	Silver White* Black*	SF		SPEC SHEET
		Suspended 3735* NF/SP-CH-3735-RN-2M	Silver* White* Black*	CL* SF* SL* BK*		SPEC SHEET
		Suspended 5050* NF/SP-CH-5050-RN-2M	Silver* White* Black*	CL* SF* SL* BK*		SPEC SHEET
		Suspended Highwire NF-CH-HGWR-BK	White* Black	No Lens		SPEC SHEET
Universal		Universal 2217 NF-CH-2217-2M	Silver White* Black*	CL SF BK*		SPEC SHEET

POWER SUPPLY OPTIONS H2 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 H2 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 UL1310	SPEC SHEET
	NF-PS-35W-24V-HW	35W	Input 1.1A Max Output 1.5A / 24V	100 - 240 VAC	UL E345214 Class 2	SPEC SHEET
	NF-PS-60W-24V-HW	60W	Input 1.2A Max Output 2.5A / 24V	100 - 240 VAC	UL E345214 Class 2	SPEC SHEET
	NF-PS-96W-24V	96W	Input 0.96A Max Output 4.1A / 24V	120 - 277 VAC	UL E345214 Class 2	SPEC SHEET
	NF-PS-HLG100W24V-HW	100W	Input 1.2A Max Output 4.0A / 24V	100 - 277 VAC	UL E345214 Class 2	SPEC SHEET
PLUG & PLAY						
	NF-PS-12W-24V-WM	12W	0.25A Max	100 - 240 VAC	UL E345214 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 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% EcoSystem/3-Wire 24V 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 NF-PS-L3DO-96W-24V	96W	4.0A	120 - 277 VAC	UL	SPEC SHEET
	Lutron Hi-Lume 1% EcoSystem 24V LED Stick Driver NF/SP-PS-L3DA-40W-24V-M	40W	1.0A	120 - 277 VAC	UL	SPEC SHEET

CONTROL OPTIONS H2 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 NF-S3i-RC-D	Zones: 1 Power Consumption: 200ma Dimming Function: 0 - 100% Battery Operated: Included	NF-S3i-WR-1009	SPEC SHEET
	S3i Touch Static Dimmer NF-S3i-TP-D	Zones: 4 Power Consumption: 200ma Dimming Function: 0 - 100%	NF-S3i-WR-1009	SPEC SHEET
	S3i Hand-held Static Dimmer NF-S3i-WC-D	Zones: 6 Dimming Function: 0 - 100% Battery Operated: 3 AAA	NF-S3i-WR-1009	SPEC SHEET
	S3i Push Button Wall Mount Static Dimmer NF-S3i-PB-D	Zones: 1 Dimming Function: 0 - 100% Battery Operated: 3V (CR2025)	NF-S3i-WR-1009	SPEC SHEET
	S3i WiFi RF Converter NF-S3i-WC-WIFI	Output Power: RF Signal Operating Frequency: 2.4G Dimming: 0 - 100%	NF-S3i-WR-1009	SPEC SHEET
	S3i Wireless Receiver NF-S3i-WR-1009	Output Power: 240 - 720w Output Current: 4 CH. 5A/CH Input: 12 - 36V DC Dimming: 0 - 100%	NF-A-UNV	SPEC SHEET
OTHER CONTROLS AND AMPLIFIER				
	LT Static Dimmer NF-WC-D	Zones: 1 Receiver Voltage: 12 - 24V DC Receiver Power Capacity: 126W (24V) Remote Voltage: 3V (CR2025) Remote Working Frequency: 433.92 MHz	NF-A-UNV	SPEC SHEET
	LED DMX Decoder NF/SP-DMX-5A-4CH	Input Voltage: 12 - 24V DC Max Output Power: 480W Max Load Current: 20A (5A/4CH) Short Circuit / Over Load Recover Automatically Control Method: DMX512 RJ45	Electronic Non-Dimming Driver	SPEC SHEET
	0-10V - 12/24V Dimming Module NF-D-0/10V	Input Signal: 0-10V, 1-10V, 10V PWM, Push Button Input Voltage: 12 - 24V DC Max Load Current: 1 CH (10A/CH) Max Output Power: 120W/288W (12V/24V) Dimming Range: 0 - 100%	Electronic Non-Dimming Driver	SPEC SHEET
	Universal Amplifier NF-A-UNV	Input Voltage: 12 - 36V DC Input Signal: PWM Max Load Current: 20A (5A/4CH) Max Output Power: 240 - 720W	All Above Products	SPEC SHEET

CONTROL OPTIONS H2 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 NF/SP-VIVE-FCJS-ECO	See Spec Sheet for Details		SPEC SHEET
	Lutron 120-277V PowPak Wireless Dimming Module NF-POWPAK-LMJ-5T-DV-B	See Spec Sheet for Details	0-10V Driver	SPEC SHEET
	Lutron Pico Remote NF-PICO-PJ2-3BRL-GWH-L01	See Spec Sheet for Details	Lutron 120-277V PowPak Wireless Dimming Module	SPEC SHEET

ACCESSORY OPTIONS H2 SERIES

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

**FOR MORE
INFORMATION
CLICK HERE**

PROJECT SUPPORT

INSTALLATION

WHY NOVA FLEX

RESOURCES