

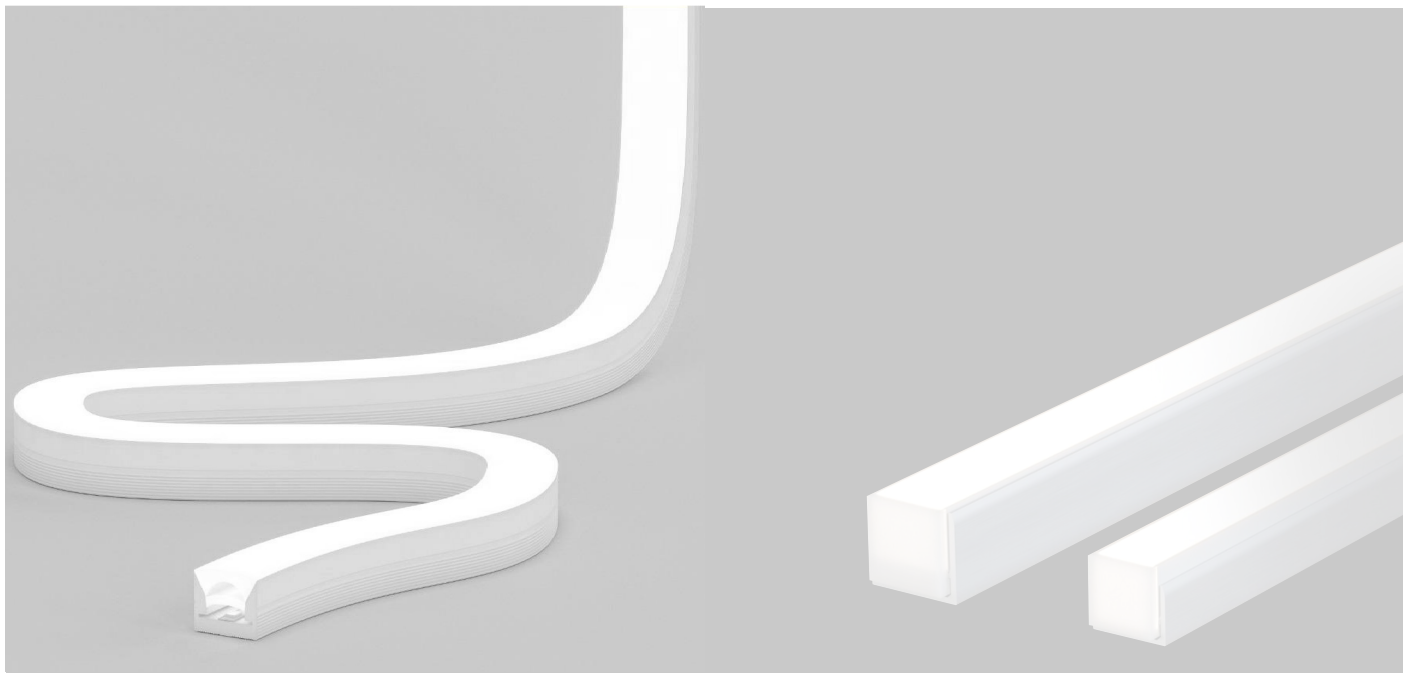
Type:_____ Qty:_____

Project:_____



HELIUM LYTE

NEON LO/HO/VHO



Design Features:

- The rigid PCB design in a plastic shell, allowing for any bending or twisting without damaging the LEDs, PCB, or electronic components.
- Steel wires powered, long run length, strong tensile strength and 3D bending.
- Available in both top and side bending, perfectly fixing for many irregular structures.
- PCB designed in parallel with function of skipping the broken cuttable unit.
- Single-color supports PWM dimming up to 10kHz.
- Patented product. Counterfeiting prohibited.
- Certified by UL, TUV-CE, RoHS.
- 5 Year warranty.



Warranty



Wet Rated



LISTED

NEON LO/HO/VHO

Specs Code:

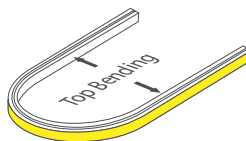
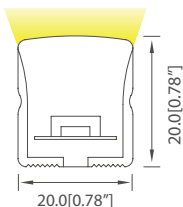
FIXTURE ID 1		LUMENS/ WATT (Per Feet) 2		LOCATION 3		CRI 4	
Neon Flex Long Run	NF-LO	197 Lumens /3.5Watt L197/3.5W		Indoor Outdoor	ID OD	CRI 80+	CRI80
Neon Flex High Output	NF-HO	305 Lumens / 5.3Watt L305/5.3W				CRI 90+	CRI90
Neon Flex Very High Output	NF-VHO	468 Lumens / 5.3Watt L468/5.3W					
LED OPTION 5		TAPE WIDTH 6		VOLTAGE 7		LENGTH 8	
1800K	18K	4000K	40K	20mm Wide W20	24 Volt 24V	Length XX	XX FT
2200K	22K	4500K	50K				
2700K	27K	6000K	60K				
3000K	30K	6500K	65K				
3500K	35K						

Order Guide:

1	2	3	4	5	6
7	8				

*Example : NF-HO-L305/5.3W-OD-CRI80-27K-W20-24V-XXFT

Product Details:



*For details please refer to the other parameter table.

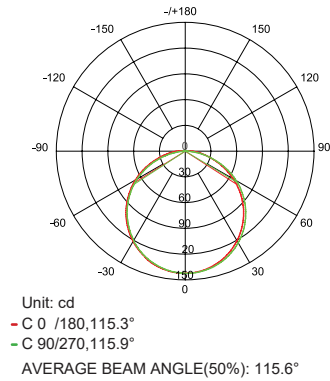




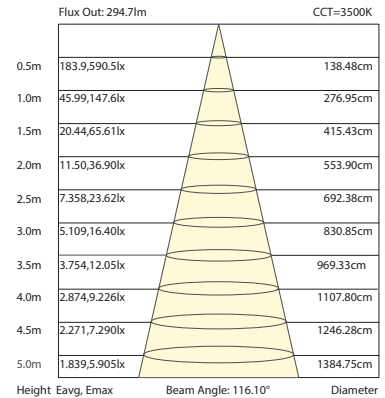
NEON LO/HO/VHO

Photometric:

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE ILLUMINATION



Note: the above two figures are tested with the sample of CCT 3500K. For other data, please consult sales rep

Lighting Chart:

CRI 80+

MODEL NO.	LUMENS/WATT (Per Feet)	EFFICIENCY	CCT	MIN. SECTION
NF-LO-3.5	321 Lumens / 3.5Watt	91.71 lm/w	1800K	0.82"(20.83mm)
NF-LO-3.5	331 Lumens / 3.5Watt	94.57 lm/w	2200K	0.82"(20.83mm)
NF-LO-3.5	242 Lumens / 3.5Watt	69.14 lm/w	2700K	0.82"(20.83mm)
NF-LO-3.5	228 Lumens / 3.5Watt	65.14 lm/w	3000K	0.82"(20.83mm)
NF-LO-3.5	235 Lumens / 3.5Watt	67.14 lm/w	3500K	0.82"(20.83mm)
NF-LO-3.5	253 Lumens / 3.5Watt	72.28 lm/w	4000K	0.82"(20.83mm)
NF-LO-3.5	253 Lumens / 3.5Watt	72.28 lm/w	5000K	0.82"(20.83mm)
NF-LO-3.5	250 Lumens / 3.5Watt	71.42 lm/w	6000K	0.82"(20.83mm)
NF-LO-3.5	249 Lumens / 3.5Watt	71.14 lm/w	6500K	0.82"(20.83mm)



Warranty



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NEON LO/HO/VHO

Lighting Chart:

CRI 80+

MODEL NO.	LUMENS/WATT (Per Foot)	EFFICIENCY	CCT	MIN. SECTION
NF-HO-5.3	321 Lumens / 5.3Watt	60.56 lm/w	1800K	0.65"(16.67mm)
NF-HO-5.3	331 Lumens / 5.3Watt	62.45 lm/w	2200K	0.65"(16.67mm)
NF-HO-5.3	337 Lumens / 5.3Watt	63.58 lm/w	2700K	0.65"(16.67mm)
NF-HO-5.3	342 Lumens / 5.3Watt	64.52 lm/w	3000K	0.65"(16.67mm)
NF-HO-5.3	351 Lumens / 5.3Watt	66.22 lm/w	3500K	0.65"(16.67mm)
NF-HO-5.3	363 Lumens / 5.3Watt	68.49 lm/w	4000K	0.65"(16.67mm)
NF-HO-5.3	363 Lumens / 5.3Watt	68.49 lm/w	5000K	0.65"(16.67mm)
NF-HO-5.3	351 Lumens / 5.3Watt	66.22 lm/w	6000K	0.65"(16.67mm)
NF-HO-5.3	331 Lumens / 5.3Watt	62.45 lm/w	6500K	0.65"(16.67mm)

CRI 90+

MODEL NO.	LUMENS/WATT (Per Foot)	EFFICIENCY	CCT	MIN. SECTION
NF-LO-3.5	103 Lumens / 3.5Watt	29.42 lm/w	1800K	0.82"(20.83mm)
NF-LO-3.5	105 Lumens / 3.5Watt	30.00 lm/w	2200K	0.82"(20.83mm)
NF-LO-3.5	106 Lumens / 3.5Watt	30.28 lm/w	2700K	0.82"(20.83mm)
NF-LO-3.5	113 Lumens / 3.5Watt	32.28 lm/w	3000K	0.82"(20.83mm)
NF-LO-3.5	124 Lumens / 3.5Watt	35.42 lm/w	3500K	0.82"(20.83mm)
NF-LO-3.5	130 Lumens / 3.5Watt	37.14 lm/w	4000K	0.82"(20.83mm)
NF-LO-3.5	122 Lumens / 3.5Watt	34.85 lm/w	5000K	0.82"(20.83mm)
NF-LO-3.5	125 Lumens / 3.5Watt	35.71 lm/w	6000K	0.82"(20.83mm)
NF-LO-3.5	123 Lumens / 3.5Watt	35.14 lm/w	6500K	0.82"(20.83mm)



Warranty



Wet Rated





NEON LO/HO/VHO

Lighting Chart:

CRI 90+

MODEL NO.	LUMENS/WATT (Per Foot)	EFFICIENCY	CCT	MIN. SECTION
NF-HO-5.3	239 Lumens / 5.3Watt	45.09 lm/w	1800K	0.65"(16.67mm)
NF-HO-5.3	241 Lumens / 5.3Watt	45.47 lm/w	2200K	0.65"(16.67mm)
NF-HO-5.3	247 Lumens / 5.3Watt	46.60 lm/w	2700K	0.65"(16.67mm)
NF-HO-5.3	269 Lumens / 5.3Watt	50.75 lm/w	3000K	0.65"(16.67mm)
NF-HO-5.3	290 Lumens / 5.3Watt	54.71 lm/w	3500K	0.65"(16.67mm)
NF-HO-5.3	311 Lumens / 5.3Watt	58.67 lm/w	4000K	0.65"(16.67mm)
NF-HO-5.3	311 Lumens / 5.3Watt	58.67 lm/w	5000K	0.65"(16.67mm)
NF-HO-5.3	313 Lumens / 5.3Watt	59.05 lm/w	6000K	0.65"(16.67mm)
NF-HO-5.3	305 Lumens / 5.3Watt	57.54 lm/w	6500K	0.65"(16.67mm)

CRI 80+

MODEL NO.	LUMENS/WATT (Per Foot)	EFFICIENCY	CCT	MIN. SECTION
NF-VHO-5.3	356 Lumens / 5.3Watt	67.16 lm/w	1800K	0.65"(16.7mm)
NF-VHO-5.3	379 Lumens / 5.3Watt	71.50 lm/w	2200K	0.65"(16.7mm)
NF-VHO-5.3	427 Lumens / 5.3Watt	80.57 lm/w	2700K	0.65"(16.7mm)
NF-VHO-5.3	437 Lumens / 5.3Watt	82.45 lm/w	3000K	0.65"(16.7mm)
NF-VHO-5.3	442 Lumens / 5.3Watt	83.39 lm/w	3500K	0.65"(16.7mm)
NF-VHO-5.3	453 Lumens / 5.3Watt	85.47 lm/w	4000K	0.65"(16.7mm)
NF-VHO-5.3	458 Lumens / 5.3Watt	86.41 lm/w	5000K	0.65"(16.7mm)
NF-VHO-5.3	463 Lumens / 5.3Watt	87.35 lm/w	6000K	0.65"(16.7mm)
NF-VHO-5.3	468 Lumens / 5.3Watt	88.30 lm/w	6500K	0.65"(16.7mm)



Warranty



Wet Rated



NEON LO/HO/VHO

Technical Details:

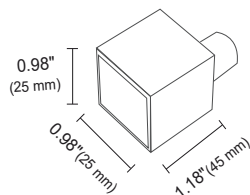
Material	High Strength Silicon Body
Size	Width - 0.78" (20mm) X Any Length
Min. Section	NF-HO - 0.65"(16.67mm) / NF-LO - 0.82"(20.83mm)
Lumens	Upto 363lm/w - per feet.
Wattage	NF-HO / NF-VHO - 5.3W / NF-LO - 3.5W- per feet.
Efficacy	Upto 88.30 Lm/W
Max Run Length	Upto 20 Mtr.
CRI	80+ / 90+
CCT	1800K - 6500K
LED	SMD
Beam Angle	115.6°
Voltage	24V DC
Operating Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Certification	ETL LISTED / UL LISTED / WET RATED

Channel Details:



HL-FC

- FRONT CAP



MODEL

QTY.

HL-FC

1N - 1 Nos.

2N - 2 Nos.

XXN - XX Nos.



Warranty



Wet Rated

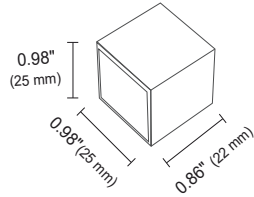


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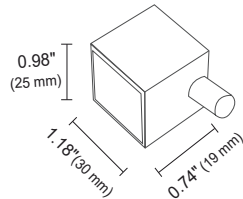
NEON LO/HO/VHO

Channel Details:



HL-CEC - CLOSING END CAP

MODEL	QTY.
HL-CEC	1N - 1 Nos. 2N - 2 Nos. XXN - XX Nos.



HL-FCB/S - FRONT CAP BOTTOM / SIDE OUTLET

MODEL	QTY.
HL-FCS	1N - 1 Nos. 2N - 2 Nos. XXN - XX Nos.



HL-ALCL - ALUMINIUM CLIP WITH SILICONE STRIP (25 X 23 X 35mm)

MODEL	QTY.
HL-ALCL	1N - 1 Nos. 2N - 2 Nos. XXN - XX Nos.



HL-ALCH -ALUMINIUM CHANNEL WITH SILICONE STRIP (30 X 23 X 1000mm)

MODEL	LENGTH
HL-ALCH	39 IN - 39 Inch XX IN - XXInch



HL-S-TRK -S-TYPE TRACK (22 X 13.7 X 1000mm)

MODEL	LENGTH
HL-S-TRK	39 IN - 39 Inch XX IN - XXInch



Warranty



Wet Rated



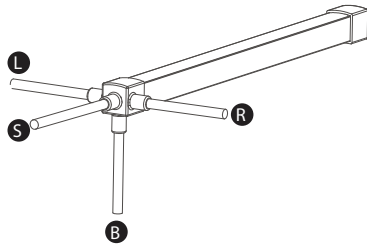
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NEON LO/HO/VHO

Profile & End Cap Details:

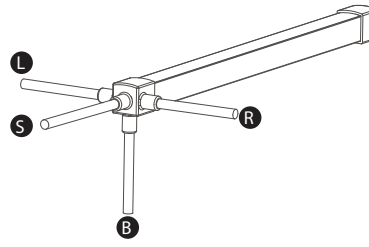
Glue Process (IP67)

End Cap - Outlet Direction

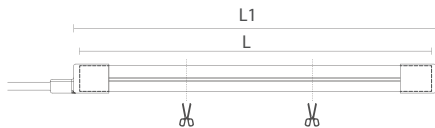


Molding pressed (IP68)

End Cap - Outlet Direction

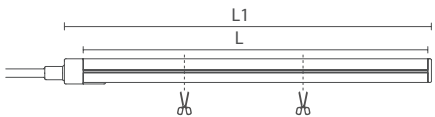


L: Left outlet / R:Right outlet/ B:Bottom outlet/ S:Straight outlet



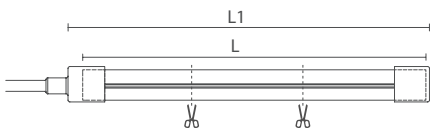
Glue Process (IP67)

Model No.	L (mm / inch)	L1 (mm / inch)
NF - LO / HO / VHO	20000±20 / 787.40±0.79	20031±20 / 788.62±0.79



Molding pressed (IP67)

Model No.	L (mm / inch)	L1 (mm / inch)
NF - LO / HO / VHO	20000±10 / 787.40±0.79	20012±20 / 787.87±0.79



Molding pressed (IP68)

Model No.	L (mm / inch)	L1 (mm / inch)
NF - LO / HO / VHO	20000±20 / 787.40±0.79	20014±20 / 787.95±0.79

Notes:

- Customizable lengths are multiples of the min cuttable length.
- Considering the voltage dropping, the length of the outlet wire should short than 1m.



Warranty



Wet Rated

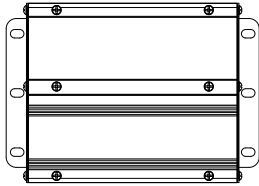




NEON LO/HO/VHO

Driver Details:

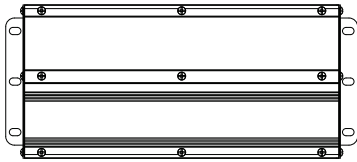
HL30AT-1W24V-BW



150 x 106 x 41.5mm

MODEL	WATTAGE	CONTROL	OUTPUT	CLASS
HL	30 - 30 Watt	AT-1W CV driver with Triac & 0-10V dimming capabilities - 1 Channel	24V - 24 Volt	BW

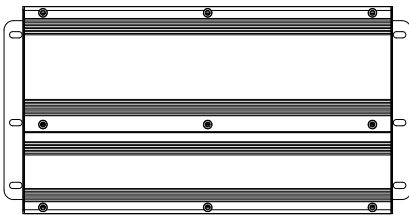
HL60AT-1W24V-BW



244 x 70 x 41.5mm

MODEL	WATTAGE	CONTROL	OUTPUT	CLASS
HL	60 - 60 Watt 96 - 96 Watt	AT-1W - CV driver with Triac & 0-10V dimming capabilities - 1 Channel	24V - 24 Volt	BW

HL192AT-2W24V-BW



260 x 132 x 52mm

MODEL	WATTAGE	CONTROL	OUTPUT	CLASS
HL	192 - 192 Watt 180 - 180 Watt 288 - 288 Watt	AT-2W - CV driver with Triac & 0-10V dimming capabilities - 2 Channel AT-3W - CV driver with Triac & 0-10V dimming capabilities - 3 Channel	24V - 24 Volt	BW

- See next page for Bluetooth Casambi drivers.



Warranty



Wet Rated



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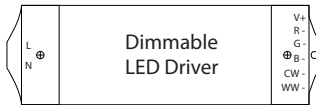


NEON LO/HO/VHO

Driver Details:

KVB-XX060-XC-P

CASAMBI



192.5 x 62 x 24mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	12V - 12 Volt 24V - 24 Volt 48V - 48 Volt	060 - 60 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	P*

KVB-XX096-XC-A

CASAMBI

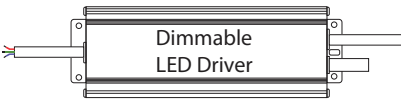


196 x 69.8 x 42mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	24V - 24 Volt 48V - 48 Volt	096 - 96 Watt 100 - 100 Watt 120 - 120 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	A*

KVB-XX150-XC-A

CASAMBI

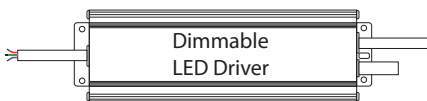


279 x 78 x 25.1mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	12V - 12 Volt 24V - 24 Volt 36V - 36 Volt 48V - 48 Volt	150 - 150 Watt 200 - 200 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	A*

KVB-XX300-XC-A

CASAMBI



290.5 x 78 x 25.1mm

MODEL	OUTPUT	WATTAGE	CONTROL	CLASS
KVB	24V - 24 Volt 36V - 36 Volt 48V - 48 Volt	300 - 300 Watt	1C/DW 2C/CCT 3C/RGB 4C/RGBW 5C/RGBCW	A*

* Recommended Installation - Drivers can be stored into maintenance hole of the enclosure for easy access.

CLASS - P* UL standard for safety & performance of LED drivers (includes protection features)

CLASS - A* EMI compliance for commercial/industrial use (higher emission allowed)



Warranty



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NEON LO/HO/VHO

Other Parameters:

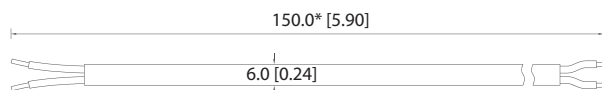
Model No.	LED Qty (pcs/m)	Dimension (W*H)	Max Run	Min. Cutting Unit	Min. Bending Diameter	Min. Bending Diameter
NF-LO-3.5W	120	20*20mm	20m	20.83mm	200mm (Top Bending)	300mm (Side Bending)
NF-HO-5.3W	96		10m	16.67mm		
NF-VHO-5.3W	120		5m	16.67mm		

Recommended Power Supply Upon Working Length:

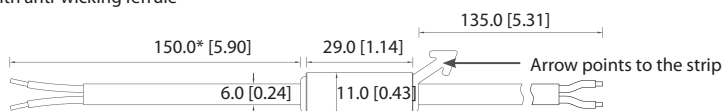
Model No.	Working Length	Current	Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
NF-LO-3.5W	1m	0.48A	DC 24V	11.52W	15W	Single Feed
	20m	10.00A		240.0W	300W	
NF-HO-5.3W	1m	0.72A	DC 24V	17.28W	25W	Single Feed
	10m	7.0A		168.0W	240W	
NF-VHO-5.3W	1m	0.72A	DC 24V	17.28W	25W	Single Feed
	5m	3.3A		79.2W	120W	

Wire Specification:

General Wire



Wire with anti-wicking ferrule



Notes:

- You can choose one of the above two wires.
- 2/3/4/5 cores are available.
- The wire length marked with '*' supports customization.
- Don't suggest ferrule in the water avoiding Oxidation.
- Do not disassemble or reprocess the ferrule; otherwise, we will not be responsible for the consequences.

