



Flexible and Rigid LED Linear Solutions

- LED Neon Flex™ Plus
- LED Neon Flex™ [professional & economical]
- LED Neon Flex™ [color jacketed]
- Crystal LED Neon Flex™ [color jacketed]
- RGB/Crystal RGB LED Neon Flex™
- Mini LED Neon Flex™ [color jacketed]
- Ultra-thin LED Neon Flex™
- LED Vision BeltFlex™
- LED Duralight™ Mini Flat/Flat-6V
- LED Duralight™ SE
- LED Duralight™ 2WRVE/2WRH/3/4/
5WRHE/2/3/4/5WRTVE
- LED Duralight™ Festive
- LED Rigid Linear Square
- LED Rotary Shelf Light



Introduction to LED Neon Flex™



* Photo provide by distributor Interlite AB, Sweden

Though glass neon has long been the mainstream of the outdoors linear lighting for decades and while it held a long history it still held a lot of weaknesses. The weakness on glass neon are well known and include complicated installation, fragile, potential shock hazards, high maintenance cost, high power consumption, and are typically ruined in severe weather. Manufacturers keep on seeking new alternatives but none of them have been able to solve these weaknesses. These "Self Proclaimed" alternatives to glass neon still suffer from one or more of the weaknesses of glass neon.

At the beginning of this century Neo-Neon, the global leader in modern linear lighting solutions, invested in the research and development of a revolutionary product called LED Neon Flex™. Utilizing advanced LED technology and materials processing techniques LED Neon Flex™ compares to glass Neon visually however LED Neon Flex™ is not ridged. LED Neo-Flex can be cut with standard tools and bent by hand to form. Installation can be completed in minutes instead of hours and most importantly, it gives off no hot spots. LED-Neon Flex is waterproof and utilizes standard AC or DC voltages which make the product safer than glass neon. LED Neo-Flex is not breakable and is virtually indestructible.

LED Neon Flex™ began a revolution but Neo-Neon did not stop there. In keeping with our tradition of continually researching and developing the latest technology and processes Neo-Neon is proud to announce new revolutionary enhancements to the LED Neon Flex™ Products.

Neo-Neon has incorporated the very latest encapsulated high graded LED's in a new and unique PVC jacket housing which achieves equal brightness and visual intensity to that of glass neon. Now there is truly a glass neon replacement which is the "new and improved" LED Neon Flex™ Professional.

Honorably and justifiably Neo-Neon has been awarded and holds an invention patent in China and holds a portfolio of worldwide patents for the LED Neon Flex™.

This invention patent stands to strengthen the promoting and distributing LED Neon Flex™ by our global partners who continue to share in this products success and profitability.

Leadership and Innovation comes at a cost. Due to the enormity of the success of our invention and our patented product, LED Neon Flex™, there has been a surge of "non-licensed" imitations emerging in the market and infringe on our patents. These unscrupulous copies are of poor quality and are being sold at prices relative to their inferior quality level.

The good news is this did not come as a surprise. Since we have been in this business for 27 years and have unveiled and introduced many innovative products this cycle has happened in the past. Educated by history Neo-Neon, unbeknownst to most, has been preparing to answer this challenge to protect our customers and the market we have earned the legal right to.

Neo-Neon is now offering two levels of patented LED Neon Flex™. These levels are Professional Type and Economical Type.





Where Glass Neon Fails

LED Neon Flex™ Prevails

Create Various Patterns – Ideal for Outlines, Cove, Sconce, Architectural Accenting, and any application as a direct replacement to Glass Neon.
LED Neon Flex™ is available in a wide variety of colors such as Red, Green, Yellow, Blue, Hot Pink, Warm White, Ultra-Warm White, and RGB.

Features and Benefits

- Unique PVC single jacket design
- 100% unbreakable & waterproof

High and Even Brightness

LED Neon Flex™ is comprised of a string of LED's spaced at a specific distance apart sufficient illuminate the specially designed oval-shaped encapsulating jacket to produce light with uniformity and neon-like brightness.

Long Lifetime and Durability

LED Neon-Flex™ combines the very latest in LED technology in a complete new flexible and optically engineered structure to provide extreme long life and durability.

Low voltage, Energy Saving

LED Neon Flex™ has been proven to save customers up to 70% or more in energy costs. By way of comparison to glass neon:

The 24V LED Neon Flex™:	1.8 W / Ft. (R) or 1.44W / Ft. (Y, O, B, G, W)
Glass Neon:	8.75 W / Ft

Based on 300Ft for red fixture

Region	Glass Neon	LED NEON Flex™	Annual Savings	Cumulative Savings
USA Midwest (0.08\$/kWh)	\$1,839.6	\$378.4	\$1461.2	\$14612 (in 10 years)

Energy saving is based on local costs per kilowatt hour, 24 hours per day, 365 days per year

Power consumption for traditional glass neon: 8.75W/Ft,

Power consumption for LED Neon Flex: 1.8W/Ft(R) or 1.44W/Ft (Y, O, B, G, W, W22, P).

Flexibility

LED Neon Flex™, as its name suggests is highly flexible. LED Neon Flex™ can be bent to a minimum radius of 4cm, and can be cut to desired lengths and provided with cutting marks for accuracy. LED Neon Flex™ is very easy to shape various corners, curves, lettering, logos, patterns, motifs, and all other applications where tradition glass neon is applied.

Safety

Unlike neon lights that have to run on a very high voltage of 15,000V, LED Neon Flex™ operates internally on 24V, LED Neon Flex is shatterproof, emits very little heat and is absolutely safe to use indoors and out.

Transportable And Easy To Install

LED Neon Flex™ comes supplied in rolls in cartons which substantially reduces size and weight thus increasing ease of transport. LED Neon Flex™ saves customers considerable amounts of money in reducing installation time and Glass Neon is extremely fragile and heavy due to the need for supporting structures therefore it is expensive to package and ship.

Because of the fragility and heavy weight primarily due to its supporting infrastructure, traditional neon light is expensive to package and ship. LED Neon Flex™, with minimized size and light weight, provides the handling benefit so that it is easy to transport, Similar to LED Rope, with its specially designed accessories, LED Neon Flex™ is easy to install and can save your tremendous labor costs. Energy cost comparison between traditional glass neon and LED Neon Flex™.



LED Neon Flex Plus

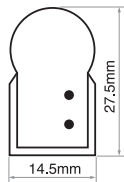
LED Neon Flex Plus is the latest addition to its family to achieve an ultra high lumens efficacy. LED Neon-Flex Plus's increased lumens stemmed from the application of high quality, high brightness LEDs coupled with an enhanced PVC mixture used in the main housing extrusion process. This optical gain enhancing PVC increases homogenization of the light effect which translates the maximum amount of lumens consistently delivered to the surface of the Neon-Flex Plus. Take white color of LED Neon Flex Plus for example, it can achieve a lumens efficacy of 36.1Lm/W and 63Lm/Ft. LED Neon Flex Plus assuredly will expand the proliferation of Neo-Neon's LED Neon-Flex as a direct replacement to traditional glass Neon.

LED Neon Flex Plus is only a bit higher in price, but it has better brightness to meet high luminous flux requirements for specific market. It is available in Red, Yellow, Blue, Green, White color. Please contact us for details.



WARNING!
Serious legal action will be taken to protect our Intellectual Property and Patents against any and all infringing parties.

Cross Section



Specifications

Item NO.	Length in Roll	LED Spacing	LED Qty.	No. of LED per unit	Unit Length	Watt per meter or foot	Max.loading Length (with 1.6A converter)
LN-FX-P-10-240V	9.1m	12.7mm	720pcs	120pcs	1.52m (R,Y,O)	3.94W/m	97m
	10m		792pcs	72pcs	0.91m (B,W,G)	5.25W/m	73m
LN-FX-P-50-240V	48.8m		3840pcs	120pcs	1.52m (R,Y,o)	3.94W/m	97m
	49.4m		3888pcs	72pcs	0.91m (B,W,G)	5.25W/m	73m
LN-FX-P-30-120V	30Ft		720pcs	60pcs	2.5Ft (R,Y,O)	1.2W/Ft	160Ft
				36pcs	1.5Ft (B,W,G)	1.6W/Ft	120Ft
LN-FX-P-150-120V	150Ft		3600pcs	60pcs	2.5Ft (R,Y,O)	1.2W/Ft	160Ft
				36pcs	1.5Ft (B,W,G)	1.6W/Ft	120Ft
LN-FX-P-30-24V	30Ft		8pcs	1/3Ft (R,Y,O)	1.8W/Ft	1.8W/Ft	21Ft
				6pcs	1/4Ft (B,W,G)	1.92W/Ft	20Ft

Light Output

Color	Red	Yellow	Orange	Green	Blue	White
Total output (Lm/Ft)	25.6	24.1		9.2	37.5	63

Recommended operating temperature and humidity: -20°C to 60°C, 100% humidity



LED Neon Flex™ (Professional) is offered in all the latest available colors to include Warm White, Ultra-Warm White, and Hot Pink.



LED Neon Flex™ (Professional & Economical)

Professional LED Neon Flex™ uses Superior Grade Ultra Bright LED's that are strictly consistent in wavelength specification by +/- 5nm. The outer jacket of the LED Neon Flex™ (Professional) is constructed of two layers of PVC which has an effect on the optical enhancement of the LED color and light transmission efficiency. As such LED Neon Flex™ (Professional) maintains the highest stability and lowest amount of lumens depreciation over time "longer-life". Additionally LED Neon Flex™ (Professional) is structured with a white PVC base jacket that is designed to reflect "shape" the light that is emitting from the LED and to redirect the light upward and outward to the surface of the product thus enhancing the actual and perceived brightness. All of the factors above also contribute to the lack of Chromatic Aberrations with (Professional) type LED Neon Flex™.

LED Neon Flex™ (Economical) is the latest version in its family developed by Neo-Neon to meet low cost requirements for specific market. Most of factors remain the same, such as cover material, copper wire, craftwork. Compared with Professional, it is much lower in cost, but accordingly it sacrifices in certain degree of brightness, quality assurance, illumination evenness and so on. Please contact us for details.

Features and Benefits

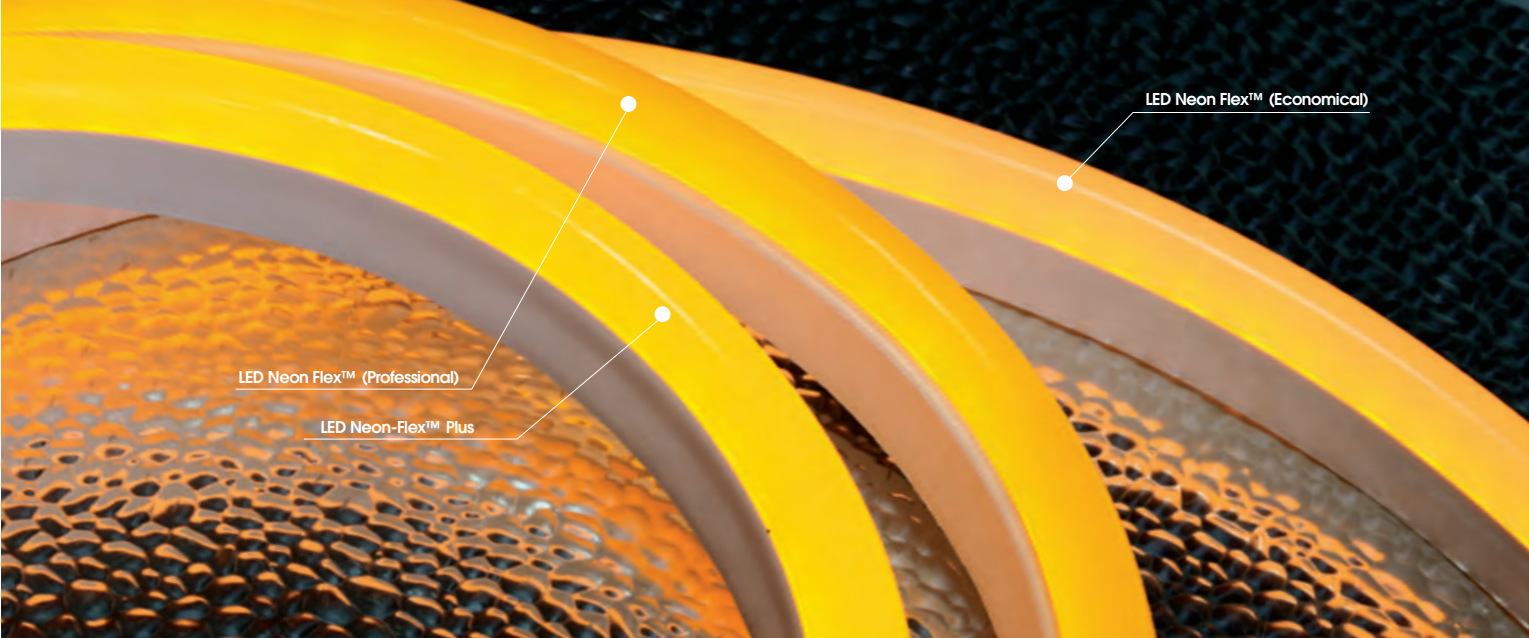
- Consistent and Stringent Wavelength control standards +/-5nm
- New Ultrabright LEDs
- Flexible
- Unique PVC single jacket design
- 100% unbreakable & waterproof
- Low Voltage, low Heat, Safety
- Extra Long Life
- Easy to Install
- Low Maintenance Costs
- 1/10 the energy consumption of glass neon



WARNING!
Serious legal action will be taken to protect our Intellectual Property and Patents against any and all infringing parties.

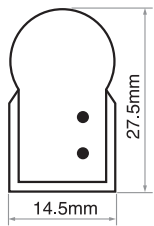


LED Neon-Flex™ Demo Kit



Specifications

Cross Section



Item NO.	LED Color	Length in Roll	LED Spacing	LED Qty.	LED Qty /unit	Unit Length	Watt /unit	Color Temperature	Max.loading Length (with 1.6A converter)			
LNH-FX-10-240V	R	9.1m	12.7mm	720	120	1.52m	3.94W/m	NA	97m			
	Y,O						3.15W/m		122m			
	B,G,HP	10m		792	72	0.91m	3.94W/m	NA	96m			
	W							5000K				
W22						2200K						
LNH-FX-50-240V	R	48.8m		3840	120	1.52m	3.94W/m	NA	97m			
	Y,O						3.15W/m		122m			
	B,G,HP	49.4m		3888	72	0.91m	3.94W/m	NA	96m			
	W							5000K				
W22						2200K						
LNH-FX-30-120V	R	30Ft		720	60	2.5Ft	1.2W/Ft	NA	160Ft			
	Y,O						0.96W/Ft		200Ft			
	B,G,HP						720	36	1.5Ft	1.2W/Ft	NA	159Ft
	W									5000K		
W22						2200K						
LNH-FX-150-120V	R	150Ft		3600	60	2.5Ft	1.2W/Ft	NA	160Ft			
	Y,O						0.96W/Ft	200Ft				
	B,G,HP			3600	36	1.5Ft	1.2W/Ft	NA	159Ft			
	W						5000K					
W22						2200K						
LNH-FX-30-24V	R	30Ft		8	1/3Ft	1.8W/Ft	NA	21Ft				
	Y,O					1.44W/Ft		26Ft				
	B,G,HP		720	6	1/4Ft	1.44W/Ft	NA					
	W					5000K						
W22					2200K							
LNH-FX-10-240V	R	9.1m	0.5"	720	120	1.52m	3.94W/m	NA	97m			
	Y,O					1.52m	3.15W/m		122m			
	G,8	10.0m		792	72	0.91m	3.94W/m		96m			
LNH-FX-50-240V	R	48.8m		3840	120	1.52m	3.94W/m		97m			
	Y,O					1.52m	3.15W/m		122m			
	G,8	49.4m		3888	72	0.91m	3.94W/m		96m			
LNH-FX-30-120V	R	30Ft		720	60	2.5Ft	1.2W/Ft		160Ft			
	Y,O					2.5Ft	0.96W/Ft		200Ft			
	G,8			36	1.5Ft	1.2W/Ft	159Ft					
LNH-FX-150-120V	R	150Ft		3600	60	2.5Ft	1.2W/Ft		160Ft			
	Y,O					2.5Ft	0.96W/Ft		200Ft			
	G,8			36	1.5Ft	1.2W/Ft	159Ft					
LNH-FX-30-24V	R	30Ft		720	8	1/3Ft	1.8W/Ft		21Ft			
	Y,O					1/3Ft	1.44W/Ft		26Ft			
	G,8			6	1/4Ft	1.44W/Ft	26Ft					

Light Output

Color	Type	Hot Pink	White22	Red	Yellow	Orange	Blue	Green	White
Total output (Lm/Ft)	LNH-FX	8	17.3	8.34	7.28	8.4	4.8	9.03	15.2
	LNB-FX	NA	NA	3.4	3.6	4.2	1.3	6	7

Recommended operating temperature and humidity: -20°C to 60°C, 100% humidity

Comparison Table (LED Neon-Flex Plus, Professional LED Neon Flex and Traditional Glass Neon)

Item	Color	Luminous Flux (Lm)	Current (mA)	Power Consumption (mA)	Light Efficiency (Lm/W)	Unit Luminance (Lm/Ft)	Unit Power Consumption (W/Ft)
LED Neon-Flex Plus (240V, 3Ft)	White	189	26	5.2	36.1	63	1.73
Professional LED Neon Flex (240V, 3Ft)		72.8	17	3.4	21.3	24.3	1.13
Ø8 Glass Neon Tube (2Ft)		118.3	119	24.65	4.8	59.15	12.33
LED Neon-Flex Plus (240V, 101 LED)	Red	107.7	28	5.8	19	25.6	1.38
Professional LED Neon Flex (240V, 5Ft)		57.4	27	5.3	10.8	11.48	1.06
Ø8 Glass Neon Tube (2Ft)		133.9	136	24.49	4.7	66.95	12.25
LED Neon-Flex Plus (240V, 5Ft)	Yellow	120.7	33	6.7	18.1	24.14	1.34
Professional LED Neon Flex (240V, 5Ft)		55.6	22	4.2	13.2	11.12	0.84
Ø8 Glass Neon Tube (2Ft)		157.7	125	26.28	6.0	78.85	13.14
LED Neon-Flex Plus (240V, 3Ft)	Blue	27.6	22	4.4	6.3	9.2	1.47
Professional LED Neon Flex (240V, 3Ft)		17.3	19	3.8	4.6	5.77	1.27
Ø8 Glass Neon Tube (2Ft)		55.2	115	24	2.3	27.6	12

Comparison between Professional and Economical

Features	Professional	Economical	Notes
LED Type	Special Ultra Bright LED	Standard Brightness LED	Professional LED Neon Flex™ uses Superior Grade Ultra Bright LED's while the Economical offers quality Standard Brightness LED's
LED Spacing	1.27CM	1.5CM	
LED's /Unit	See Unit Chart	See Unit Chart	
Unit Measurment	See Unit Chart	See Unit Chart	Neo-Neon uses state of the art equipment to test each LED which enables us to ensure consistency of color (wavelength) and to offer multi-tier grades of products based upon the ability to select chips according to their tolerance to our standards. Stability of each grade is directly corresponding to the quality of the LED applied within each Grade. The Professional which uses the highest quality LED would therefore have enhanced stability over the Economical. However the quality of the Economical LED still conforms to Neo-Neons minimum stability standards which are considered still higher than the general market standard. Lifetime is termed by the lighting industry as MTBF (Mean Time Between Failure) which is when 50% of tradition lamps fail. For LED we use Lumens Depreciaiton as it is relative to SSL (Solid State Lighting) See LED Lifetime information below for a more indepth explanation of Lumens Depreciation
LED Spec	(+/- 5nm)	+/- 10nm	
Stability	High Stability	Average Stability	
MTBF (Lifetime)	Longer MTBF	Shorter MTBF	The consistency of the Economical can fluctuate due to the LED Spec standard of +/- 10nm and the single PVC layer process. The Professional offers the maximum consistency which is relative to its high standard. Chromatic Aberrations are inconsistencies in the color consistency that occur when wavelengths are not matched coupled with less diffusive materials such as in single layer PVC processing of the exterior jacket. Professional LED Neon-Flex has the highest percieved brightness due to all the factors listed in this chart. However, Economical has been engineered to provide a high brightness for the value. UV treatment effects cost very little and is incorporated into both to enhance both Professional and Economical's ability to be used in high UV areas such as areas exposed to direct sunlight.
Lumens Depreciation	50,000 to 80,000 hours	40,000 to 60,000 hours	
Color Consistency	Consistant	Some inconsitancy's can occur	
Chormatic Aberrations	None	Yes	See individual product data sheets for the specific load requirements. The cut length of Economical has been adjusted so that the quantity of LEDs per unit and the power consumption matches so that the same power supplies can be used. * Warm White and Ultra Warm White are available only in Professional
Percieved Brightness	High	Lower	
UV Treatment	Yes	Yes	
Warranty	12 Months	6 Months	Based on the information provided in this table there is a clear and distinct difference between grades thus different price structures apply.
AC Power Supply	Same	Same	
Low Voltage		Different	
Available Colors	*Same	Same	
Cost to Manufacture	Higher	Lower	
Pricing	Standard Market Value	Lower Prices	



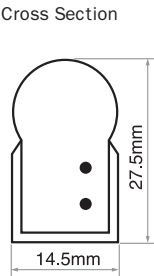
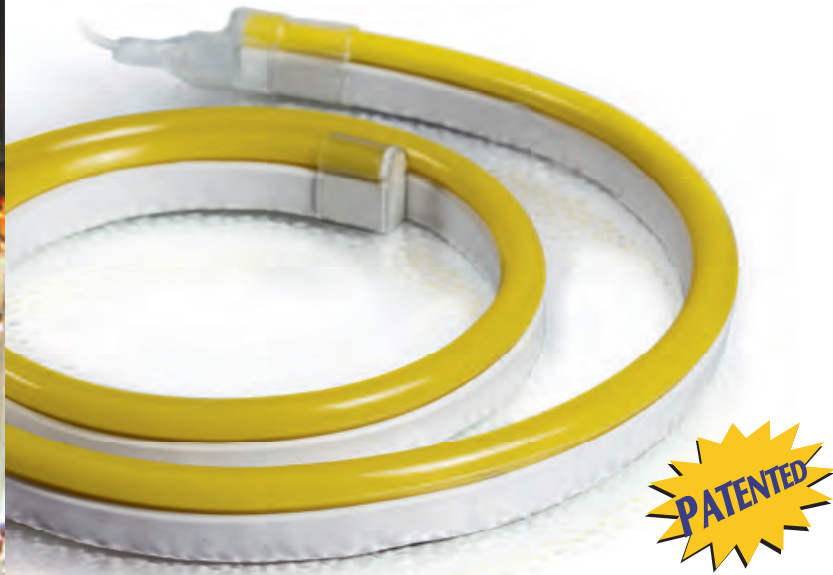
* Buave escuela Guaya, Guayaquil, Ecuador

LED Neon Flex™ (Color Jacketed)

LED Neon Flex™ (Color Jacketed) embodies every feature and benefit of the (Grade A) LED Neon Flex with the addition of a colored outer PVC jacket.

In some applications it is more desirable to have the color of the jacket match the color of the light emitted so that in the daytime the LED Neon Flex™ applied design can be seen without the LEDs being powered on.

Typically the LED Neon Flex™ (Color Jacketed) is applied to signage designs or architectural designs that are indoor or outdoor in close proximity to the view of people.



Specifications

ITEM NO.	Length in Roll	LED Spacing	Total LED Qty	LED Qty /Unit	Cutting unit	Watt/Unit	Color Temperature	Max.Loading Length (with 1.6A converter)
LN-FX(C)-10-240V	9.1m	0.5"	720	120	1.52m (R)	3.94W/m	NA	97m
					1.52m (Y,O)	3.15W/m		122m
	10.0m		792	72	0.91m (G,B)	3.94W/m		96m
LN-FX(C)-50-240V	48.8m		3840	120	1.52m (R)	3.94W/m		97m
					1.52m (Y,O)	3.15W/m		122m
	49.4m		3888	72	0.91m (G,B)	3.94W/m		96m
LN-FX(C)-30-120V	30ft		720	60	2.5ft (R)	1.2W/Ft		160Ft
					2.5ft (Y,O)	0.96W/Ft		200Ft
				36	1.5ft (G,B)	1.2W/Ft		159Ft
LN-FX(C)-150-120V	150ft		3600	60	2.5ft (R)	1.2W/Ft		160Ft
					2.5ft (Y,O)	0.96W/Ft		200Ft
				36	1.5ft (G,B)	1.2W/Ft		159Ft
LN-FX(C)-30-24V	30ft		720	8	1/3ft (R)	1.8W/Ft		21Ft
					1/3ft (Y,O)	1.44W/Ft		26Ft
				6	1/4ft (G,B)	1.44W/Ft		26Ft

Light Output

Color	Red	Yellow	Orange	Green	Blue
Total output (Lm/Ft)	4.4	8.6	6.8	9	4



Crystal LED Neon Flex™ (Transparent & Color Jacketed)

Crystal LED Neon Flex™ (Transparent & Color Jacketed) embodies every feature and benefit of the (Professional) LED Neon Flex™ with an optical and color enhancement to the PVC jacket material.

Crystal LED Neon Flex™ (Transparent & Color Jacketed) was designed with a optically transparent and pigmented PVC jacket to increase the brightness of the product to enhance far field viewing and to lend itself well to daytime viewed designs.

Crystal LED Neon Flex™ (Transparent & Color Jacketed) applied to structures that are intended to be viewed from long distances such as bridges and high-rise skyscraper type structures and where the designer desires the product to appear the same color when the product is not illuminated.

Up close the Crystal LED Neon Flex™ (Transparent & Color Jacketed) appears pixilated however at far field viewing distances appears solid just like the LED Neon Flex™ (Professional) type.

LED Neon Flex™ (Professional) type is intended for more near field viewing thus requires the milky PVC jacket for even light distribution.

Often a combination of both LED Neon Flex™ (Transparent & Color Jacketed) and LED Neon Flex™ (Professional) is applied to projects depending on their proximity to the intended viewers.





* Perry Cherry's Diner, Wisconsin, American



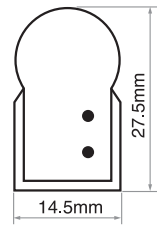
* Palace of pream, Riga, Latvia



Specifications

ITEM NO.	Length in Roll	LED Spacing	Total LED Qty	LED Qty /Unit	Cutting unit	Watt/Unit	Color Temperature	Max.Loading Length (with 1.6A converter)
CLN-FX(C)-10-240V CLN-FX-10-240V	9.1m	0.5"	720	120	1.52m (R)	3.94W/m	NA	97m
	10.0m		792	72	1.52m (Y,O)	3.15W/m		122m
CLN-FX(C)-50-240V CLN-FX-50-240V	48.8m		3840	120	0.91m (G,B)	3.94W/m		96m
	49.4m		3888	72	1.52m (R)	3.94W/m		97m
CLN-FX(C)-30-120V CLN-FX-30-120V	30Ft		720	60	1.52m (Y,O)	3.15W/m		122m
					0.91m (G,B)	3.94W/m		96m
2.5Ft (R)					1.2W/Ft	160Ft		
CLN-FX(C)-150-120V CLN-FX-150-120V	150Ft		3600	60	2.5Ft (Y,O)	0.96W/Ft		200Ft
					1.5Ft (G,B)	1.2W/Ft		159Ft
2.5Ft (R)					1.2W/Ft	160Ft		
CLN-FX(C)-30-24V CLN-FX-30-24V	30Ft		720	8	2.5Ft (Y,O)	0.96W/Ft		200Ft
					1.5Ft (G,B)	1.2W/Ft		159Ft
1/3Ft (R)					1.8W/Ft	21Ft		
				1/3Ft (Y,O)	1.44W/ft	26Ft		
				1/4/Ft (G,B)	1.44W/Ft	26Ft		

Cross Section

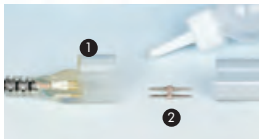


Light Output

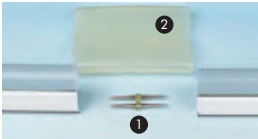
Color		Red	Yellow	Orange	Green	Blue	White
Total output (Lm/Ft)	Crystal LED Neon Flex™	9.2	9.2	16.2	22	7.67	18.2
	Crystal LED Neon Flex™(color jacketed)	7	12	15.4	14.33	2.33	

Connection and Accessories

1. Easy Splice Connector (Indoor)(Not Waterproof)



Front connector includes
1. Female power connector LN-FX-CA-1
2. Male connecting pin LN-FX-CA-2
3. Heat shrink tube



Splicable connctor includes
1. Male connecting pin LN-FX-CA-3
2. Heat shrink tube



Attachable end cap LN-FX-CA-4
1. PVC Glue
2. End Cap
3. Fixture

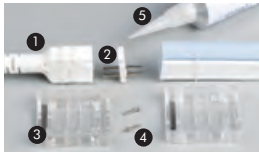
2. Molded Connector (IP44)



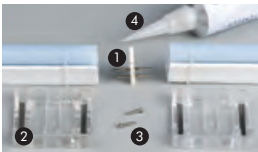
Front connector
Molded power connector LN-FX-M-1

Molded end cap LN-FX-M-2

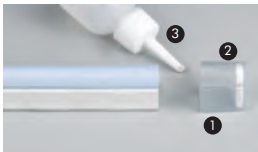
3. Conch Connector (IP44)



Front connector includes
1. Shell electrical plug
2. KEMA simple front connector
3. Shell
4. Self-attack screws
5. Silicon glue



Splicable connctor includes
1. KEMA simple middle connector
2. Shell
3. Self-attack screws
4. Silicon glue

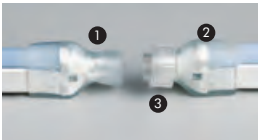


Attachable end cap
1. KEMA end plug
2. End plug tray
3. PVC glue

4.Extendible Connector (IP44)



Front connector includes
1. Electrical plug
2. Male connector
(with waterproof rubber ring)
3. M24 screws



Splicable connctor includes
1. Female connector
2. Male connector
(with waterproof rubber ring)
3. M24 screws



Attachable end cap
1. Female connector
2. End plug
(with waterproof rubber ring)
3. M24 screws

Accessories and Connection Options



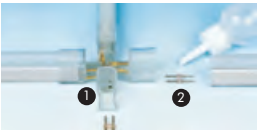
High Voltage Power Supply
1. AC Power Cord
2. AC/DC Converter (Part# XXXX)



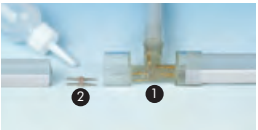
Low Voltage Power Supply
1. AC Power Cord
2. Transformer (Part# XXXX)
3. AC/DC Converter (Part# XXXX)



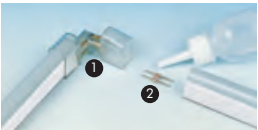
Middle Connector with Cable
1. Female power connector
LN-FX-CA-1
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube



**X Connector
(Not Waterproof)**
1. X connector LN-FX-X
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube



**T Connector
(Not Waterproof)**
1. T connector LN-FX-T
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube



**L Connector
(Not Waterproof)**
1. L connector LN-FX-L
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube

Installation Notes

- A Catalog is not a substitute for a user manual. The installation illustrations to the right are for reference only
- Always follow the instructions in the provided user manual
- Cut only on the cut marks provided on the fixture housing
- When applying linear solutions to a channel make certain to use an appropriate silicone adhesive between the base of the channel profile and the fixture housing to eliminate stretching over time.



Cutting Mark
LN-FX Must be cut only on the indicated mark



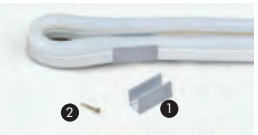
Linear Installation
1. Aluminum Channel LN-FX-CH
2. Apply an adhesive silicone between the channel base on fixture housing to prevent slippage and stretching over time



Curve Installation
1. Mini channel LN-FX-5
2. Screw



90° Installation
1. Mini channel LN-FX-5
2. Screw



180° Installation
1. Mini channel LN-FX-5
2. Screw



Convex Installation
Mini channel LN-FX-5



Concave Installation
Mini channel LN-FX-5



Channel Installation
1. Apply an adhesive silicone between the channel base on fixture housing to prevent slippage and stretching over time.
2. Press LED Neon-Flex™ into the channel with even pressure from the beginning to the end.

Packaging Examples



150' (50m) / 30' (10m) package in plastic reel



(c) Interlite, Stage design Jan Schedin

RGB LED Neon Flex™

Crystal RGB LED Neon Flex™

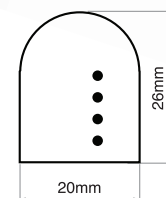
RGB LED Neon Flex™ embodies all the benefits of LED Neon-Flex™ (A-Grade) with the additional of RGB color changing technology. RGB LED Neon-Flex™ provides complete RGB color changing through intensity changes of the R, G, B, LEDs.

Crystal RGB LED Neon Flex™ embodies all the benefits of RGB LED Neon-Flex™ with the additional of a optically enhanced clear PVC jacket design. The clear jacket design provides greater luminosity for far field viewing applications as with the Crystal LED Neon-Flex™. When viewed in a near field manner the LED source is easily defined however at long distances from the viewing audience Crystal RGB LED Neon Flex™ appears even and consistent as with RGB LED Neon Flex™.

Crystal RGB LED Neon Flex™ incorporates new Ultrabright LEDs to enhance the products brightness. RGB LED Neon Flex™ is a perfect replacement where traditional glass neon is applied in various colors to achieve a color changing appearing effect and when the viewing distance is far field. Crystal RGB LED Neon Flex™ provides virtually 16.7 million colors of linear color changing.



Cross Section



Specifications

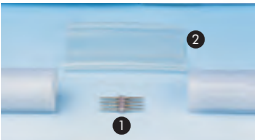
ITEM NO.	Length in Roll	LED Spacing	Total LED Qty	LED Qty /Unit	Cutting unit	Watt/Unit	LED Color	Max.Loading Length
LN-FX-RGB-25-240V CLN-FX-RGB-25-240V	24.7m	0.5"	5832pcs	216pcs	0.91m	13.1W/m	RGB	120m (with SRC-181-240V-controller)
LN-FX-RGB-81-120V CLN-FX-RGB-81-120V	81Ft			108pcs	1.5Ft	4W/Ft		200Ft (with SRC-181-120V-controller)
LN-FX-RGB-81-24V CLN-FX-RGB-81-24V				18pcs	1/4Ft	4.8W/Ft		33Ft (with SRC-181-20V-controller)

Connection and Accessories

1. Easy Connector with Splice Junction (Indoor Not Waterproof)



Power and Control Main Connection
1. Female power connector LN-FX-CA-1
2. Male connecting pin LN-FX-CA-2
3. Heat shrink tube
4. PVC Glue



Splicable connctor includes
1. Male connecting pin LN-FX-RGB-CA-3
2. Heat shrink tube



Affixing the End Cap
1. LN-FX-RGB-CA-4
2. PVC Glue

2. Molded Connector (IP44)



Front connector includes
Molded power connector LN-FX-M-1

Molded end cap
LN-FX-M-2

3. Conch Connector (IP44)

This construction is waterproof if applied properly.



Packageing Example



150' (50m) package in plastic reel

Controllers and Power Supplies

For more information on the controllers above see Page P414-419 of this catalog.



High Voltage Power Supply and Controller
SRC-181 Controller



Low Voltage Power Supply and Controller
1. SRC-181 Controller
2. Switch Power Supply

Installation Notes

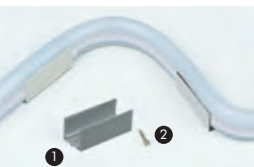
- A Catalog is not a substitute for a user manual. The installation illustrations to the right are for reference only
- Always follow the instructions in the provided user manual
- Cut only on the cut marks provided on the fixture housing
- When applying linear solutions to a channel make certain to use an appropriate silicone adhesive between the base of the channel profile and the fixture housing to eliminate stretching over time.



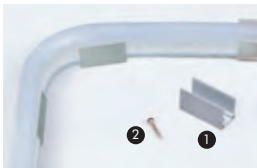
Cutting mark
LN-FX-RGB Must be cut only on the indicated mark



Linear Installation
1. Aluminum Channel LN-FX-RBG-CH
2. Apply an adhesive silicone between the channel base on fixture housing to prevent slippage and stretching over time



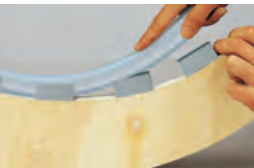
Curve installation
1. Mini channel LN-FX-RGB-5
2. Screw



90° Installation
1. Mini channel LN-FX-RGB-5
2. Screw



Convex installation
Mini channel LN-FX-RGB-5



Concave installation
Mini channel LN-FX-RGB-5



Channel Installation
1. Apply an adhesive silicone between the channel base on fixture housing to prevent slippage and stretching over time.
2. Press LED Neon-Flex™ RGB into the channel with even pressure from the beginning to the end.

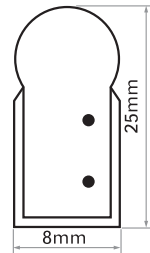
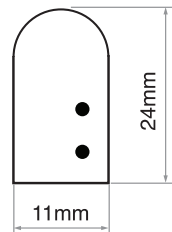


* Neo-Neon Hotel Cafeteria, Jiangmen, P.R.China



Demo Kit

Cross Section



Mini LED Neon Flex™ (Color Jacketed) Ultra-thin LED Neon Flex™

Mini LED Neon-Flex™ (Color Jacketed) embodies all the features and benefits of Mini LED Neon Flex™ however the outer PVC jacket is colorized to match the LED illumination color for day time viewing.

Ultra-thin LED Neon-Flex™ embodies all the features and benefits of LED Neon Flex™ however the Physical profile is engineered smaller to facilitate additional types of applications where a smaller profile is required. Additionally Ultra-thin LED Neon-Flex™ incorporates a flexible PCB with the latest in SMD LED technology.



Specifications

ITEM NO.	Length in Roll	LED Spacing	Total LED Qty	LED Qty /Unit	Cutting unit	Watt/Unit	Color Temperature	Max.Loading Length (with 1.6A converter)
MLN-FX-10-240V	9.1m	0.5"	720	120	1.52m (R)	3.94W/m	NA	97m
	10.0m		792	72	1.52m (Y,O)	3.15W/m		122m
MLN-FX-50-240V	48.8m		3840	120	0.91m (G,B,W)	3.94W/m		96m
	49.4m		3888	72	1.52m (Y,O)	3.15W/m		122m
MLN-FX-30-120V	30ft		720	60	0.91m (G,B,W)	3.94W/m		96m
				36	2.5ft (R)	1.2W/Ft		160Ft
MLN-FX-150-120V	150ft		3600	60	2.5ft (Y,O)	0.96W/Ft		200Ft
				36	1.5ft (G,B,W)	1.2W/Ft		159Ft
MLN-FX-30-24V	30ft		720	8	2.5ft (R)	1.2W/Ft		160Ft
				6	1/3ft (Y,O)	0.96W/Ft		200Ft
ULN-FX-240V	50.4m	10mm	5040pcs	120pcs	1.2m (R,Y,O)	1.8W/Ft	NA	21Ft
ULN-FX-120V				72pcs	0.72m (G,B,W)	1.44W/Ft		26Ft
ULN-FX-100V				60pcs	0.6m (R,Y,O)	1.44W/Ft		26Ft
ULN-FX-24V				36pcs	0.36m (G,B,W)	1.44W/Ft		26Ft
ULN-FX-12V				60pcs	0.6m (R,Y,O)	1.44W/Ft		26Ft
				36pcs	0.36m (G,B,W)	1.44W/Ft		26Ft
				8pcs	0.08m (R,Y,O)	1.44W/Ft		26Ft
				6pcs	0.06m (G,B,W)	1.44W/Ft		26Ft
				4pcs	0.04m (R,Y,O)	1.44W/Ft		26Ft
				3pcs	0.03m (G,B,W)	1.44W/Ft		26Ft

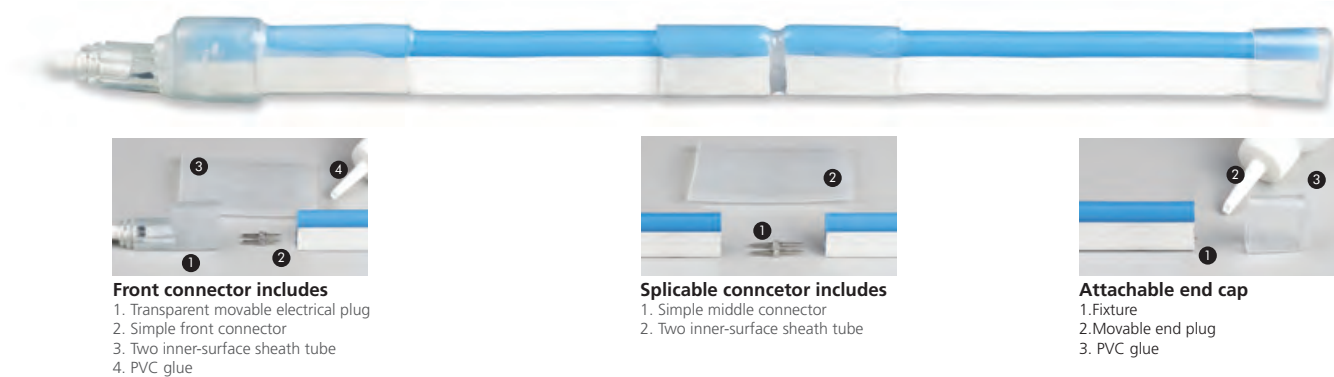
Light Output (ULN-FX)

Color	Red	Yellow	Orange	Green	Blue	White
Total output (Lm/Ft)	6.19	7.52	8.29	9.14	7.72	20.02

Recommended storage & operating temperature: -20°C to 60°C, 100% humidity.

Connection and Accessories

1. Easy Connector with Splicing Example (Indoor Not Waterproof)



2. Molded Connector (IP44)

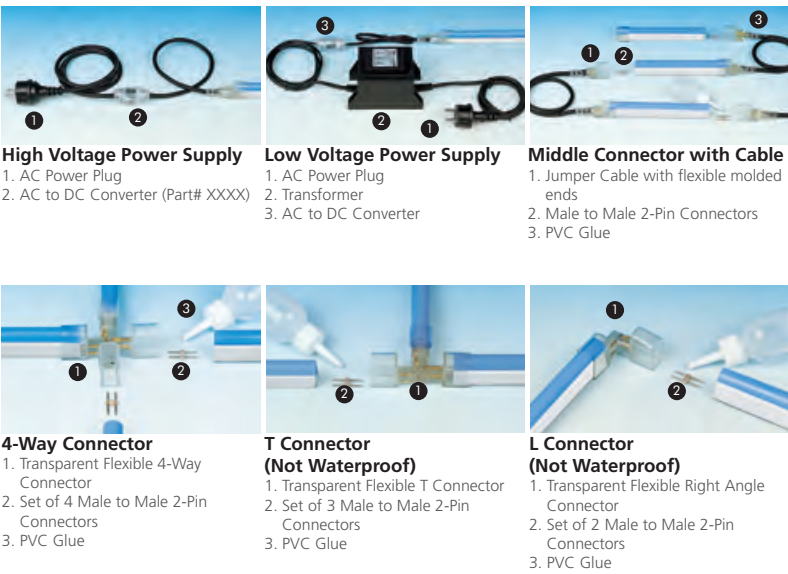


Packaging Example



150' (50m) / 30' (10m) package in plastic reel

Power Supply and Connection Accessories



Installation Notes

- A Catalog is not a substitute for a user manual. The installation illustrations to the right are for reference only.
- Always follow the instructions in the provided user manual.
- Cut only on the cut marks provided on the fixture housing.
- When applying linear solutions to a channel make certain to use an appropriate silicone adhesive between the base of the channel profile and the fixture housing to eliminate stretching over time.





LED Vision Belt

LED Vision Belt is a brand new product from Neo-Neon. The LED Vision Belt incorporates (3 in 1) SMD pixels that are encapsulated in injection molded modules that can be varied in distance along a high quality insulated wire structure.

LED Vision Belt comes in two styles which are black with clear and all clear capped. Each Pixel is IP44 rated and can be applied both indoor and outdoors.LED Vision Belt is perfect for scenery or set applications in both linear and screen applications. LED Vision Belt can be used to make complex open air screening by attaching the LED Vision Belt to wire framing to enable application to exterior building surfaces. The brightness of this product enables such large scale screen solutions. LED Vision Belt can also be integrated with stage fabrics to make soft LED applications, backdrops, exhibit stands, video or star ceilings, and many more.

Playback live or pre-recorded video, images, flash animations and more with the Vision Mesh control system and Vision Studio MX software; or use as a linear solution for sconce color changing or edge illumination and effects on structures or buildings using optional linear controllers. See page 342 for more information on vision studio.

Features and Benefits

- Flexible
- Pixel Spacing Specified to Order (5, 10, 30cm)
- High Luminosity
- Low voltage, low power consumption
- Long Life
- PC control
- Linear Control with Optional Controllers
- Easy to Install



Specifications

Item No.	LED-VAS-5V	LED-ACV-5V
Light source	3528 LED	
LED spacing	10cm	
Unit length power	30W/10M	
Max loading length	100m(with SL-DST-V2.0-5V Controller) 50m (with LV-FX-DMX-5VV1.0 Controller)	
PSU specification	5V 30A/ (10m+10m)	
Package length	10m	
Dimension	20x19mm	
Input voltage	100/240V, 50-60Hz	
Operating voltage	5V DC	
Cap color	Transparent cap	
Customized LED spacing(Pitch)	LED Spacing can be customized for such as 5cm, 10cm, 30cm	





* Neo-Neon Showroom, Jiangmen, P.R.China



Installation Instructions for Linear Application

Observe standard electrical safety practices before proceeding. Make sure the product is disconnected from power supply. Electrical shock or damage to the product can occur.

It can be shortened if customer requires:

1. Cut to desired length as below

- Mark on the electrical wire at the required length, and cut;
- Cover the cut end of the electrical wire with end cover, then seal with silicon.
- Sheath with heat-shrinking tubing properly

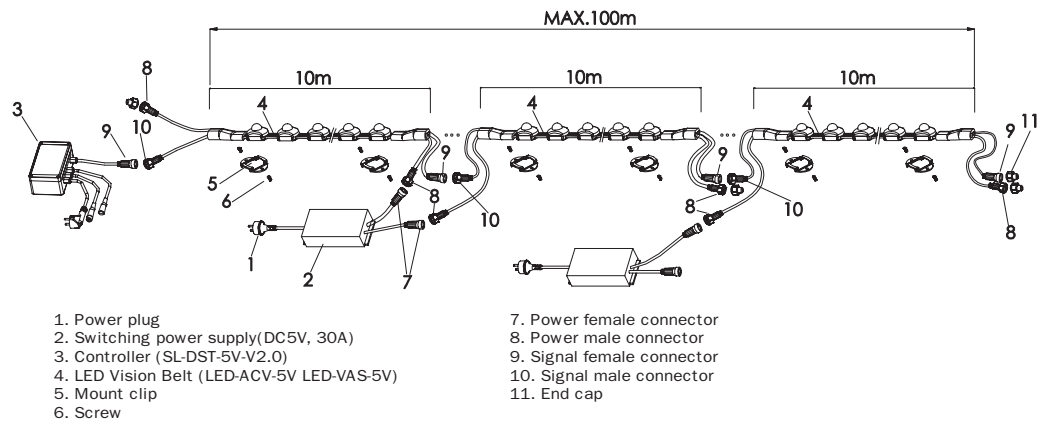
2. Mounting of Video Assemble Strip:

Use special fixing clips and screws for mounting. (please refer to the diagram below)

3. Connection method: (please refer to diagram below)

- Serialized connection:
If signal connector needs to be connected, simply connect the male signal connector and female signal connector correctly. The signal connector is typically 5-pin connector, while the power supply wire is usually a 2-pin connector. Please notice that airtight rubber ring is equipped and screws for securing tightly.
- Control system and lighting fixture connection:
Match the output signal female connector of the controller and the signal male connector at the initial end of the lighting LED Vision Belt correctly.
 - a. Distribution with 4 wire-out ports. Each port can connect a maximum of 384 pieces of LED Vision Belt
 - b. Distribution with 8 wire-out ports, each port can connect 192 pieces of LED Vision Belt.

*If the amount of lighting fixtures is above limit, the lighting fixture should be connected with the output signal wire independently.
- Connection of power supply and lighting fixtures:
Match the female connector of power supply output and the male connector of electrical wire of lighting fixture correctly. Each power supply unit has 2 output wires, each with a maximum current of 15A; under which 10m LED Vision Belts can be connected.
*Add more power supplies as such: if 10-20m shall be connected, the solution can be that to add 1 power supply unit at each end of the lighting fixture.



One (1) Controller / Max.100m LED Vision Belt

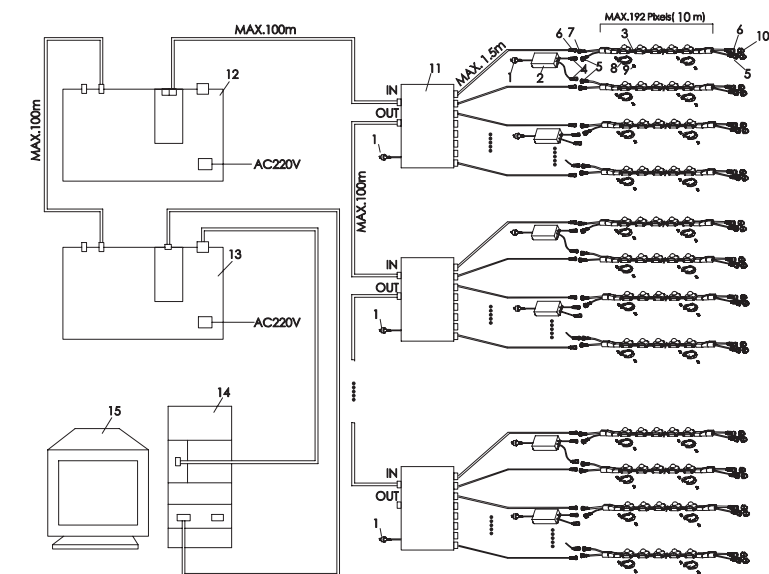
Installation Instructions With Computer Video Display

Video System Connection: (Please refer to the diagram below)

There are 2 kinds of control systems:

- a. On-line control system (1 set of frame controller VSC (Vision Scan Controller, Vision DVI PCI Card, Vision Studio Software) sold separately.
- b. Off-line video system connected to distributor; within the off-line video system, the CF shall be written with a control program.

*Please see the following for video control system installation.



1. Power plug
2. Switching power supply(DC5V, 30A)
3. LED Vision Belt (LED-ACV-5V LED-VAS-5V)
4. Power female connector
5. Power male connector
6. Signal female connector
7. Signal male connector
8. Mount clip
9. Screw
10. End cap
11. Vision scan controller
12. Screen controller
13. Frame rate controller
14. Computer
15. Monitor

Note: Max. 1024x768 pixels



Neo-Neon Showroom, Jiangmen, P.R.China

LED Vision Flex™

Based on our advanced LED technology development, Neo-Neon is proud to announce an innovative lighting product, LED VISION FLEX™. Incorporating the very latest in Tri-Color (RGB) full color SMD technology encased in a flexible PVC clear housing LED Vision Flex™ is a excellent linear and screen solution.

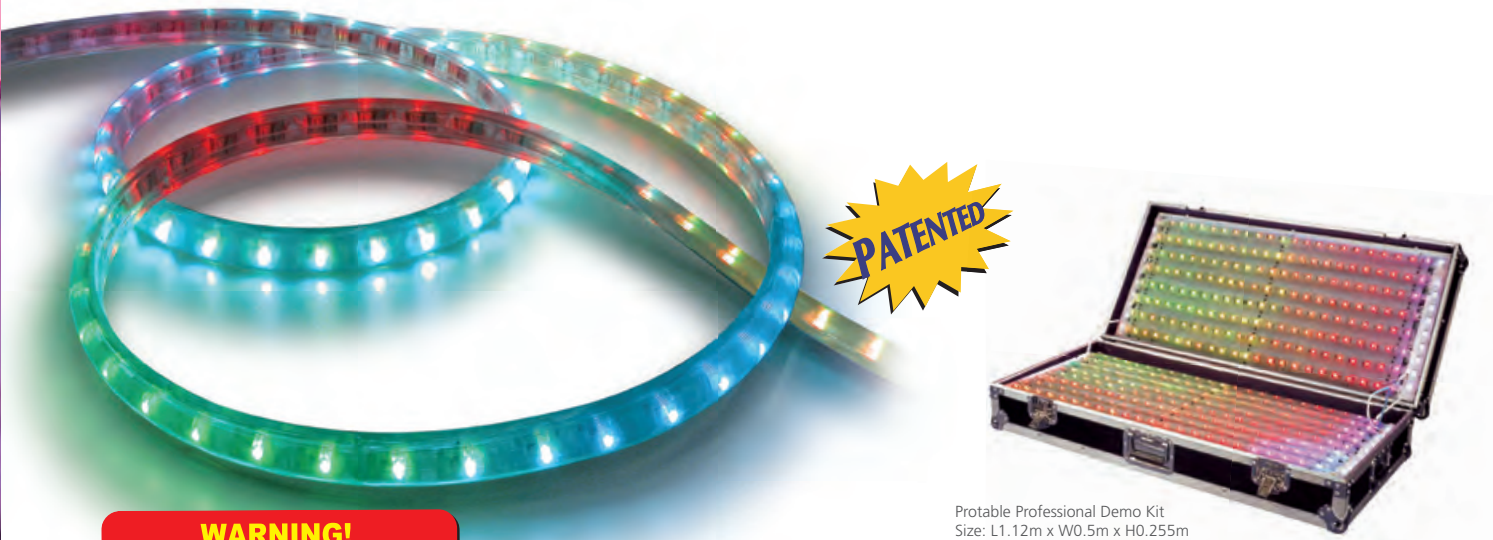
As a linear solution LED Vision Flex™ is often used to accent the edges of structures and building. The flexible housing of the LED Vision Flex™ is waterproof IP68 and can be used under water if desired and can withstand the harshest of exterior elements and environments. Option Controllers enable pre-programmed linear color changing and visually stimulating patterns or you can create your own patterns using DMX-512 control.

As a screen solution the LED Vision Flex™ can wrap around and conform to curved surfaces found on building facades, vertical support stations, poles, balls etcetera. Outdoor or indoor LED Vision Flex™ is the perfect waterproof flexible visual solution.



Features And Benefits

- Flexible
- High Luminosity
- Low voltage, low power consumption
- Long Life
- Single Pixel or Macro Control
- Waterproof IP68
- Easy to Install



WARNING!
Serious legal action will be taken to protect our Intellectual Property and Patents against any and all infringing parties.

Portable Professional Demo Kit
Size: L1.12m x W0.5m x H0.255m

Technical Specifications

Item No.	LV-FX-5V
Length in Package	10m, 5m, 1m
Dimension	16x24mm
LED Spacing	40mm
Total No.of LED	250pcs (10m)
Total Watts	75W (10m)
Unit Length	40mm
Watts per Meter or Foot	7.5W/m
LED Color	R, G, B
Max.Loading Length	100m (with SL-DST-5V-V2.0 controller) 20m (with LV-FX-DMX-5V-V1.0 controller)
Switching Power Supply	5V 30A/10m



* Daddy cool, UK, London

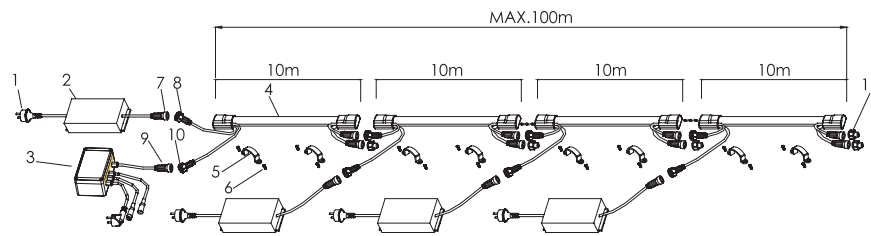


* Neo-Neon Showroom, Jiangmen, P.R.China

Installation Instructions for Linear Application

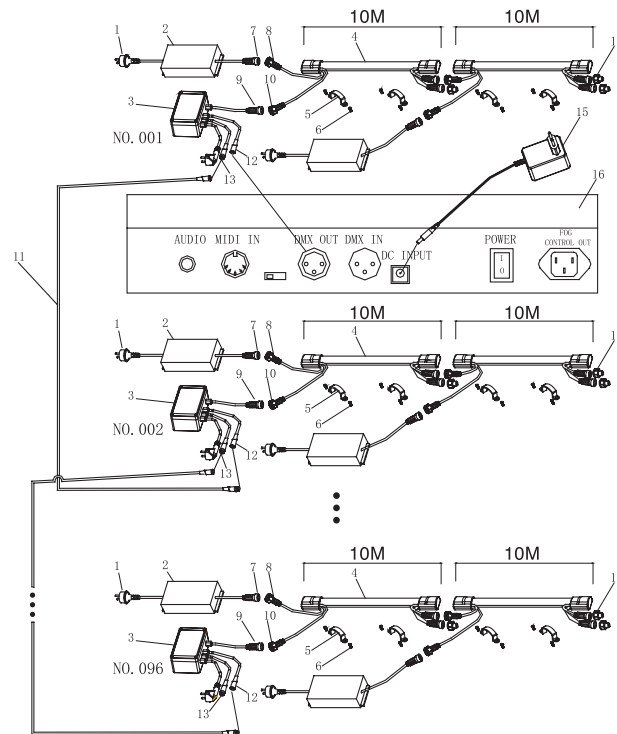
1. Installation Instructions (for linear applictaion)

1. Power plug
2. Switching power supply(DC5V,30A)
3. Controller(SL-DST-5V-V2.0)
4. LED Vision-Flex
5. Mount clip
6. Screw
7. Power female connector
8. Power male connector
9. Signal female connector
10. Signal male connector
11. End cap



2. Installation Instructions (for DMX)

1. Power plug
2. Switching power supply(LV-FX-SPS 5V 30A)
3. Controller (LV-FX-DMX-5V-V1.0)
4. LED Vision-Flex
5. Mount clip
6. Screw
7. Power female connector
8. Power male connector
9. Signal female connector
10. Signal male connector
11. Signal extendable connector
12. DMX-IN connector
13. DMX-OUT connector
14. End cap
15. Switching power supply (DC12V,500MA)
16. SRC-174L

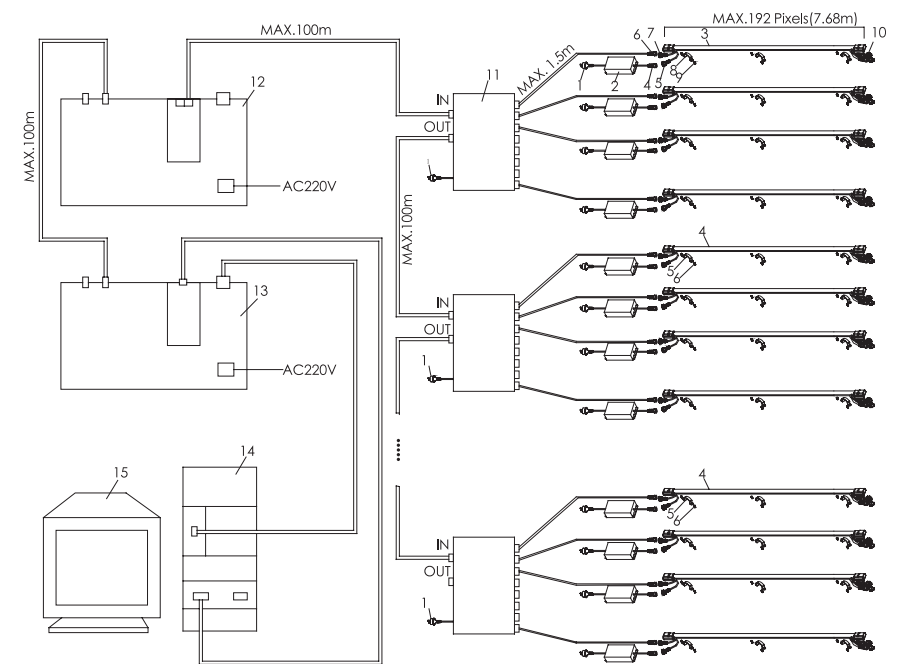


Installation Instructions With Computer Video Display

3. Installation Instructions (for Screen):

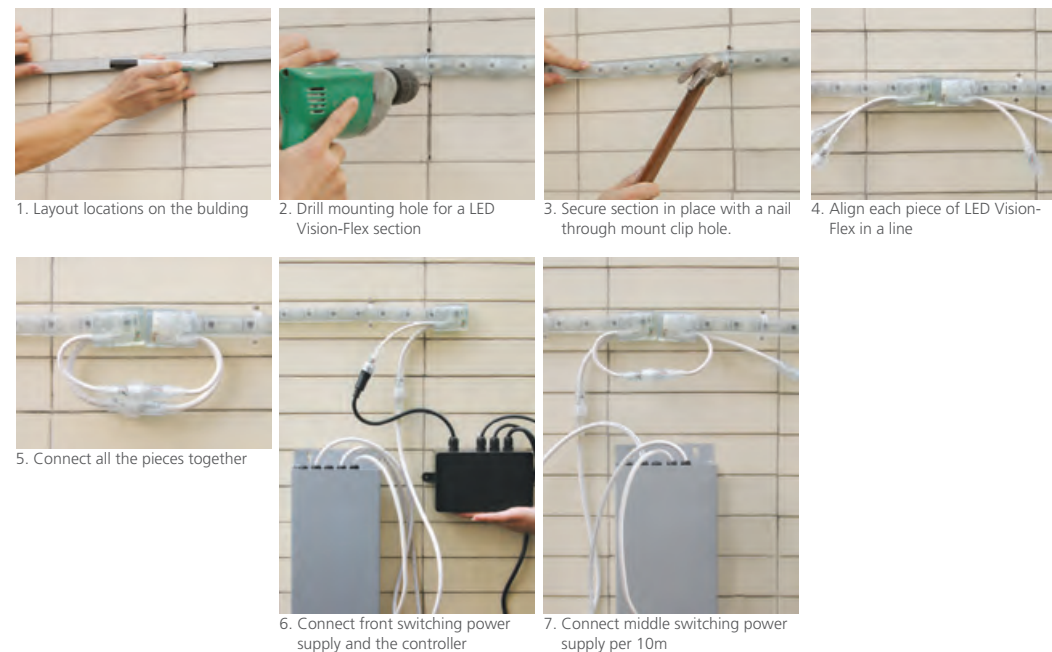
1. Power plug
2. Switching power supply (DC5V, 30A)
3. LED Vision-Flex
4. Power female connector
5. Power male connector
6. Signal female connector
7. Signal male connector
8. Mount clip
9. Screw
10. End cap
11. Scan controller
12. Screen controller
13. Frame rate controller
14. Computer
15. Monitor

Note: Max.1024 x 768 pixels.



Connection and Accessories

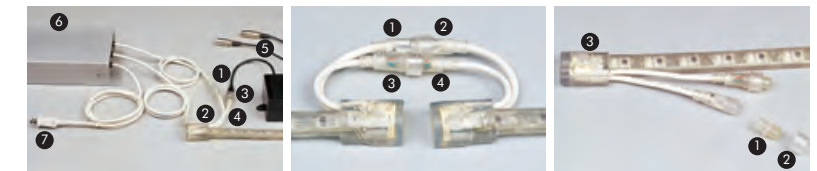
Installation System



Package



How to Apply...



Front connector includes

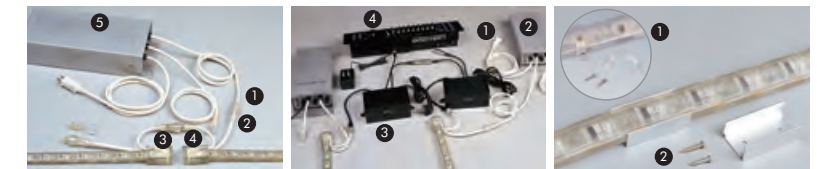
1. power female connector LV-FX-C-1
2. power male connector LV-FX-C-2
3. signal female connector LV-FX-C-3
4. signal male connector LV-FX-C-4
5. controller SL-DST-5V-2.0
6. switching power supply LV-FX-SPS 5V 30A per10m
7. plug

Spliceable connector includes

1. power female connector LV-FX-C-1
2. power male connector LV-FX-C-2
3. signal female connector LV-FX-C-3
4. signal male connector LV-FX-C-4

Attachable End Cap of Connector

1. End Cap LV-FX-C-5
2. nut LV-FX-C-6
3. molded connector LV-FX-1



Middle Switching Power Supply

1. power female connector LV-FX-C-1
2. power male connector LV-FX-C-2
3. signal female connector LV-FX-C-3
4. signal male connector LV-FX-C-4
5. switching power supply LV-FX-SPS 5V 30A Per 10m

Middle Switching Power Supply

1. power plug
2. Switching power supply (LV-FX-SPS 5v 30A)
3. Controller (LV-FX-DMX-5V-V1.0)
4. DMX control-station(SRC-174L)

Clips

1. Plastic clip
2. Aluminum clip



1. Aluminum track
2. Self-attack screws

Controller

SL-DST-5V-V2.0/ LV-FX-DMX-5V-V1.0



Controller Main Functions:

8 built in dynamic programs

Easy Connection



Free-cutting at any length

1. end cap
2. heat shrink tube
3. glue

1. end cap LV-FX-2
2. heat shrink tube
3. glue
4. power female connector LV-FX-C-1
5. signal female connector LV-FX-C-3



To connect the female connector at the direction of the arrowhead on PCB.

Pay more attention to the same direction of the arrow mark on PCBs, when connecting two pieces

1. end cap LV-FX-2
2. heat shrink tube
3. glue
4. controller SL-DST-5V-V2.0
5. switching power supply 5V/30A per 10m
6. plug



* Neo-Neon Hotel, Jiangmen, P.R. China



* Neo-Neon Hotel, Jiangmen, P.R. China



LED Duraflex™ SE (Side Emitting Type) LED Duraflex™ Mini Flat

Neo-Neon's first version of the LED Duraflex™ Mini Flat remains a stable and standard today for linear border lighting and illumination. LED Duraflex™ Mini Flat Incorporates the very latest SMT (Surface Mounting Technology) LED technology. The slim flat profile of the LED Duraflex™ Mini Flat product coupled with the benefits of being light-weighted, flexible, waterproof, and energy saving, enable LED Duraflex™ Mini Flat to be applied to nearly any shape and applicable to any environment.

LED Duraflex™ Mini Flat provides a perfect solution that is applied across many different market segments to include architectural design, DIY, and even retail LED Duraflex™ Mini Flat an ideal lighting solution for building outlines, coves illumination, under cabinet illumination, aisle marker illumination, recreational vehicle, boat, aircraft and auto. The applications for LED Duraflex™ Mini Flat are virtually limitless.

Neo-Neon's first version of the LED Duraflex™ SE remains a stable and standard today for linear border lighting and illumination. LED Duraflex™ SE Side Emitting Type Incorporates the very latest SMD LED technology. LED Duraflex™ SE is a single color product which comes in WLED (White LED), Red, Green, Blue, and Yellow standard. The slim flat profile of the LED Duraflex™ SE product coupled with the benefits of being, side emitting, light-weighted, flexible, waterproof, and energy saving, enable LED Duraflex™ SE to be applied to nearly any shape and applicable to any environment that requires side emitting linear illumination.

LED Duraflex™ SE provides a perfect solution that is applied across many different market segments to include architectural design, DYI, and even retail LED Duraflex™ SE an ideal lighting solution for building outlines, coves illumination, under cabinet illumination, aisle marker illumination, recreational vehicle, boat, aircraft and auto. The applications for LED Duraflex™ SE are virtually limitless.



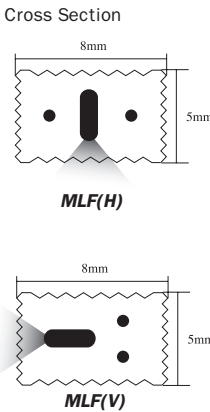
Features and Benefits

- Structure: Compact Profile and Flexible
- Bend Angle: 180°
- Available LED Colors: WLED (White LED), Red, Yellow, Green, Blue
- LED Type: SMD
- Beam Angle: 120° X / 100°Y
- Low Power Consumption
- Available in High and Low Voltage
- Easy to Cut to Specified Length
- Easy to Connect
- Easy to Install with clip system or double sided adhesive tape
- Transparent Waterproof PVC Jacket
- Can be applied both indoors and outdoors

Specifications

ITEM NO.	Length in Roll	LED Spacing	Total LED Qty	LED Qty /Unit	Cutting unit	LED Color	Watt/Unit	Max.Loading Length	
								(with 1.6A converter)	(with 4A converter)
MLF(H)-2W-5x8-100-240V	99.7m	27.7mm	3600pcs	120pcs	3.3m	R,Y,O	1.44W/m	264m	660m
MLF(V)-2W-5x8-100-240V				72pcs	2m	G,B,W	240W/m	160m	400m
MLF(H)-2W-5x8-300-120V	300ft	1"		60pcs	5ft	R,Y,O	0.48W/Ft	400Ft	1000Ft
MLF(V)-2W-5x8-300-120V				36pcs	3ft	G,B,W	0.8W/Ft	240Ft	600Ft
MLF(H)-2W-5x8-100-24V	99.7m	27.7mm		12pcs	0.33m	R,Y,O	1.44W/m	26.4m	50m
MLF(V)-2W-5x8-100-24V				6pcs	0.17m	G,B,W	2.89W/m	13.6m	34m
MLF(H)-2W-5x8-300-12V	300ft	1"	3600pcs	6pcs	5ft	R,Y,O	0.48W/Ft	40Ft	82Ft
MLF(V)-2W-5x8-300-12V				3pcs	0.25ft	G,B,W	0.96W/Ft	20Ft	50Ft
MLF(H)-2W-5x8-300-6V	300ft	1"		1"	1"	R,Y,O	1.44W/Ft	6Ft	14Ft
MLF(V)-2W-5x8-300-6V				2"	2"	G,B,W	0.72W/Ft	12Ft	28Ft
		2"	1800pcs	1pcs	3"		0.48W/Ft	18Ft	42Ft
		3"	1200pcs		4"		0.36W/Ft	24Ft	56Ft
		4"	900pcs						

LED Duraflex™ Mini Flat-6V & LED Duraflex™ SE-6V (Side Emitting Type)
Free-Cutting at any length!



Connection and Accessories

Connection System

1. Easy Connector (Non-Waterproof)



Front Connector
1. 2-Way Double Pin Coupler
2. Heat Shrink Tube



Splicing Connector
1. 2-Way Double Pin Splicing Connector
2. Heat Shrink Tube
3. Silicone Adhesive



Splicing Connector
1. Plastic End-Cap
2. Silicone Adhesive

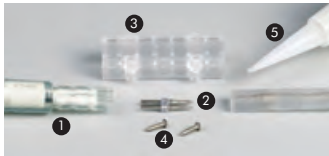
2. Molded Connector (IP44)



Front connector
Molded power connector

Molded end cap

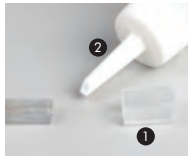
3. Conch Connector (IP44)



Front Connector
1. Shell electrical plug end
2. Simple front connector
3. Plastic Shell (2 Piece)
4. Self-tapping Screws
5. Silicone Adhesive



Splicing Connector
1. 2-Way Double Pin Splicing Connector
2. Plastic Shell (2 Piece)
3. Self-tapping Screws
4. Silicone Adhesive



Attachable End Cap
1. End Cap
2. PVC Adhesive

Other Accessories



L-Transparent Connector
(Non-Waterproof)



T-Transparent Connector
(Non-Waterproof)



X-Transparent Connector
(Non-Waterproof)



Plastic Shell (2 piece)
Waterproof



Proprietary AC/DC Power Converter Cable

Neo-Neon has solved the problem other similar products pose such as flickering and linear length limitations with the invention of a patented specialized AC to DC transformer. Because Neo-Neon has nearly 30 years of experience in producing linear lighting solutions we were able to solve the limitations that still impair others. This special AC to DC converter power cable is already patented by Neo-Neon in China and patents are pending for the American and European markets.

Important Installation Tips

For small scale projects, like under cabinet & stairway we recommend the use of our 6V versions that can be cut to any length.

For large scale projects, like building outlines & outdoor decoration it is possible to apply a combination of AC line voltage versions for long runs and apply the 6V DC version for short applications or in areas that require low voltage based on local electrical regulations.

Package



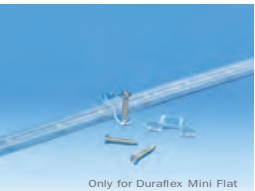
How to Apply



Cut only on the Cut Marks printed on the product.
6V Versions can be cut to any length
NOTE: Use Appropriate Sharpened tools as not to cause damage to the product.



Bend the product a few times to make certain any additional wire retracts into the housing. Use wire cutters to cut away any remaining exposed wires.



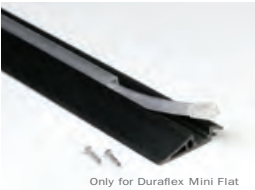
To install the product onto hard surfaces use the included mounting clips.
Only for Duraflex Mini Flat



For Free Form Applications affix the product to wire frames using plastic tie straps. (Applicable to both Flat and Side Emitting Types)
Only for Duraflex Mini Flat



Channel Application (Channel Sold Separately)
*If applying vertically apply a thin bead of clear silicone adhesive inside the bottom of the channel to prevent slipping or stretching of the product.



Carpet Border Application
Only for Duraflex Mini Flat

To determine the appropriate power supply for your application measure the power consumption of the total length applied and use the appropriate power supply listed above. For optimal performance connect with our patented, specially designed AC /DC Converter Power Cable.

Quick and Easy Installation Using Double Sided Adhesive Tape

1. Choose a Double Sided Adhesive Tape
Follow the instruction on the Double Sided Adhesive Tape packaging for surface preparation.
2. Apply Double Sided Adhesive Tape to the Product and expose the adhesive side that will affix to the desired mounting surface.
3. Apply the product with the Double Sided Adhesive Tape "sticky side" onto the intended surface moving from one end to the other and apply pressure to fasten securely.



Note:
Use only quality Double Sided Adhesive Tape such as e.g. 3M. When using Double Sided Adhesive Tape apply only in dry locations or as recommended on the Double Sided Adhesive Tapes packaging.



LED Duralight™

LED Duralight is one of the best selling decorative lighting product that can truly glow around the world.LED Duralight is durable,economical,versatile and simply beautiful.

LED Duralight is flexible and durable enough to be bent into any shape without breakage. LED Duralight can be used on its own and can be transformed into as many shapes and designs as far as your imagination will go.Neo-Neon makes 2-wire,3wire,4wire and 5-wire designs are available for both round and rectangular models.

Today we have nearly 30 series for your choice,you will find them on building exterior wall,across the street,in window display,architectural outlines and so on.Don't be surprised if you find some duralight right next to where you are!!





LED Duralight™ 2WRVE (2-wire Round Vertical Emitting)

LED Duralight™ 2WRVE is a single color LED linear rope light solution that is offered in a variety of colors and power supply options. The physical housing of this product is round and the LEDs are situated to emit the light horizontally directly with some diffuse light vertically through the clear PVC housing.

Warm and Ultra Warm White

Neo-Neon is pleased to announce a revolutionary breakthrough in White LED (WLED) Technology. Through our extensive and relentless research and development for our general and commercial LED product range Neo-Neon has developed a patent pending new process for obtaining warm and ultra-warm white color temperatures with a “true” incandescent look.

In order to better describe this first you need to understand that there is a industry standard to determine the variation in white color and that Neo-Neon develops and manufactures to that global industry standard.

Neo-Neon has applied these new technology advancements to the LED Duralight™ rope lighting range of products in price points that are applicable to the decorative lighting market.

The New Warm and Ultra Warm White version of the LED Duralight™ 2WRVE embodies all the features and benefits of the standard LED Duralight™ 2WRVE with the new benefits of Warm and Ultra Warm White LED colors.

Please refer to the New Technologies section of this catalog for more information on the New Warm and Ultra-Warm White LED technology.



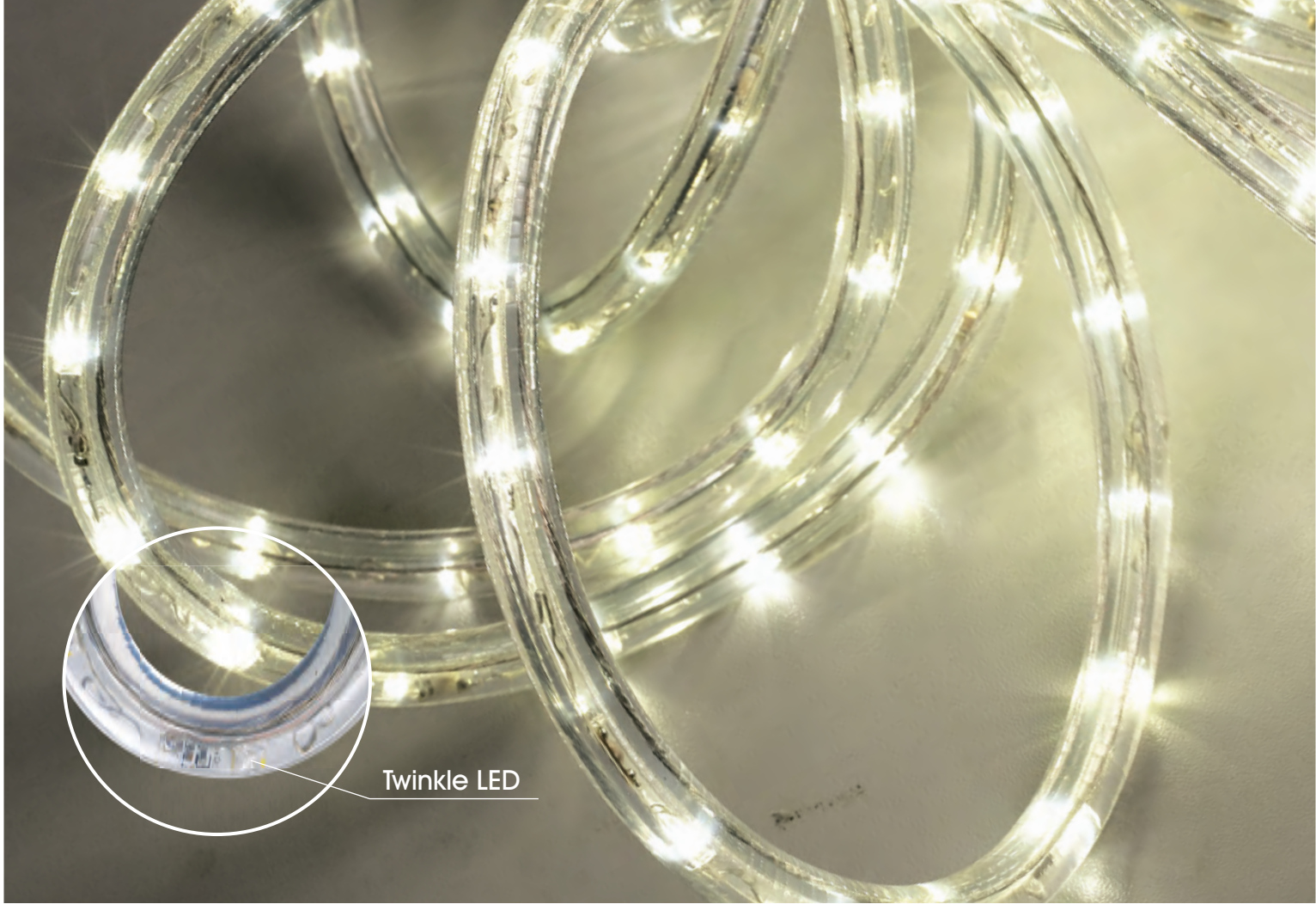
Operating voltage	220V AC	110V AC	24V AC DC	12V AC DC
Rating frequency	50-60HZ	50-60Hz	50-60Hz	50-60Hz
Anti-Electrical shock Grade	CLASS II	CLASS II	CLASS II	CLASS II
IP Rating	IP44	IP44	IP44	IP44
Operating temperature	-20~60°C	-20~60°C	-20~60°C	-20~60°C
Max. loading length(1.6A convert)	80pcs	80pcs	Based on power supply	Based on power supply

Specifications

Cross Section	Item NO.	Length in Roll	LED Spacing	LED Qty.	Unit Length	Watt per meter or foot	No. of LED per unit
 Ø13mm 	LED-DL-2W-10-240V	10m	27.7mm	360pcs	3.3m (R,Y,O)	1.44W/m	120pcs
	LED-DL-2W-50-240V	50m		1800pcs	2m (B,W,G)	2.4W/m	72pcs
	LED-DL-2W-100-240V	100m		3600pcs			
	LED-DL-2W-30-120V	30Ft	25.4mm	360pcs	5Ft (R,Y,O)	0.48W/Ft	60pcs
	LED-DL-2W-150-120V	150Ft		1800pcs	3Ft (B,W,G)	0.8W/Ft	36pcs
	LED-DL-2W-300-120V	300Ft		3600pcs			
	LED-DL-2W-30-100V	30Ft	360pcs	5Ft (R,Y,O)	0.48W/Ft	60pcs	
	LED-DL-2W-150-100V	150Ft	1800pcs	3Ft (B,W,G)	0.8W/Ft	36pcs	
	LED-DL-2W-300-100V	300Ft	3600pcs				
	LED-DL-2W-100-24V	100m	27.7mm	3600pcs	0.33m (R,Y,O)	1.44W/m	12pcs
					0.17m (B,W,G)	2.88W/m	6pcs
		LED-DL-2W-300-12V	300Ft	25.4mm		0.5Ft (R,Y,O)	0.48W/Ft
					0.25Ft (B,W,G)	0.96W/Ft	3pcs

 Ø16mm 	LED-DL16-2W-10-240V	10m	27.7mm	360pcs	3.3m (R,Y,O)	1.44W/m	120pcs
	LED-DL16-2W-50-240V	50m		1800pcs	2m (B,W,G)	2.4W/m	72pcs
	LED-DL16-2W-100-240V	100m		3600pcs			
	LED-DL16-2W-30-120V	30Ft	25.4mm	360pcs	5Ft (R,Y,O)	0.48W/Ft	60pcs
	LED-DL16-2W-150-120V	150Ft		1800pcs	3Ft (B,W,G)	0.8W/Ft	36pcs
	LED-DL16-2W-300-120V	300Ft		3600pcs			
	LED-DL16-2W-30-100V	30Ft	360pcs	5Ft (R,Y,O)	0.48W/Ft	60pcs	
	LED-DL16-2W-150-100V	150Ft	1800pcs	3Ft (B,W,G)	0.8W/Ft	36pcs	
	LED-DL16-2W-300-100V	300Ft	3600pcs				
	LED-DL16-2W-100-24V	100m	27.7mm	3600pcs	0.33m (R,Y,O)	1.44W/m	12pcs
					0.17m (B,W,G)	2.88W/m	6pcs
		LED-DL16-2W-300-12V	300Ft	25.4mm		0.5Ft (R,Y,O)	0.48W/Ft
					0.25Ft (B,W,G)	0.96W/Ft	3pcs

Available Colors: Red, Yellow, Yellow Green, Blue, Green, Cool White, Orange



LED Duralight™ 2WRHE (2-wire Round Horizontal Emitting)

LED Duralight™ 2WRHE is a single color LED linear rope light solution that is offered in a variety of colors and power supply options. The physical housing of this product is round and the LEDs are situated to emit the light horizontally directly with some diffuse light vertically through the clear PVC housing.

Specifications

Cross Section	Item NO.	Length in Roll	LED Spacing	LED Qty.	Twinkle LED Qty.	Unit Length	Watt per meter or foot	No. of LED per unit	Max.length with 1.6A Converter
 Ø10 mm	LED-ML(H)-Ø10-2W-T-100-240V	100m	27.7mm	3000pcs	600pcs	3.3m (R,Y,O)	1.44W/m	120pcs	264m
	LED-ML(H)-Ø10-2W-T-300-120V	300Ft	1"			2m (B,W,G)	2.4W/m	72pcs	160m
						5Ft (R,Y,O)	0.48W/Ft	60pcs	400Ft
						3Ft (B,W,G)	0.8W/Ft	36pcs	240Ft
						5Ft (R,Y,O)	0.4W/Ft	60pcs	400Ft
	LED-ML(H)-Ø10-2W-T-300-100V	100m	27.7mm			3Ft (B,W,G)	0.67W/Ft	36pcs	240Ft
0.33m (R,Y,O)	1.44W/m			12pcs	26.4m				
 Ø13 mm	LED-ML(H)-Ø10-2W-T-100-24V	100m	27.7mm	3000pcs	600pcs	0.17m (B,W,G)	2.88W/m	6pcs	13.3m
	LED-ML(H)-Ø10-2W-T-300-12V	300Ft	1"			0.5Ft (R,Y,O)	0.48W/Ft	6pcs	40Ft
						0.25Ft (B,W,G)	0.96W/Ft	3pcs	20Ft
						3.3m (R,Y,O)	1.44W/m	120pcs	264m
						2m (B,W,G)	2.4W/m	72pcs	160m
	LED-DL(H)-Ø13-2W-T-100-240V	100m	27.7mm			5Ft (R,Y,O)	0.48W/Ft	60pcs	400Ft
3Ft (B,W,G)				0.8W/Ft	36pcs	240Ft			
5Ft (R,Y,O)				0.4W/Ft	60pcs	400Ft			
3Ft (B,W,G)				0.67W/Ft	36pcs	240Ft			
LED-DL(H)-Ø13-2W-T-300-120V	300Ft	1"	0.33m (R,Y,O)	1.44W/m	12pcs	26.4m			
			0.17m (B,W,G)	2.88W/m	6pcs	13.3m			
			0.5Ft (R,Y,O)	0.48W/Ft	6pcs	40Ft			
			0.25Ft (B,W,G)	0.96W/Ft	3pcs	20Ft			
LED-DL(H)-Ø13-2W-T-300-100V	100m	27.7mm	3000pcs	600pcs	3.3m (R,Y,O)	1.44W/m	120pcs	264m	
					2m (B,W,G)	2.4W/m	72pcs	160m	
					5Ft (R,Y,O)	0.48W/Ft	60pcs	400Ft	
					3Ft (B,W,G)	0.8W/Ft	36pcs	240Ft	
LED-DL(H)-Ø13-2W-T-100-24V	100m	27.7mm	5Ft (R,Y,O)	0.4W/Ft	60pcs	400Ft			
			3Ft (B,W,G)	0.67W/Ft	36pcs	240Ft			
			0.33m (R,Y,O)	1.44W/m	12pcs	26.4m			
			0.17m (B,W,G)	2.88W/m	6pcs	13.3m			
LED-DL(H)-Ø13-2W-T-300-12V	300Ft	1"	0.5Ft (R,Y,O)	0.48W/Ft	6pcs	40Ft			
			0.25Ft (B,W,G)	0.96W/Ft	3pcs	20Ft			

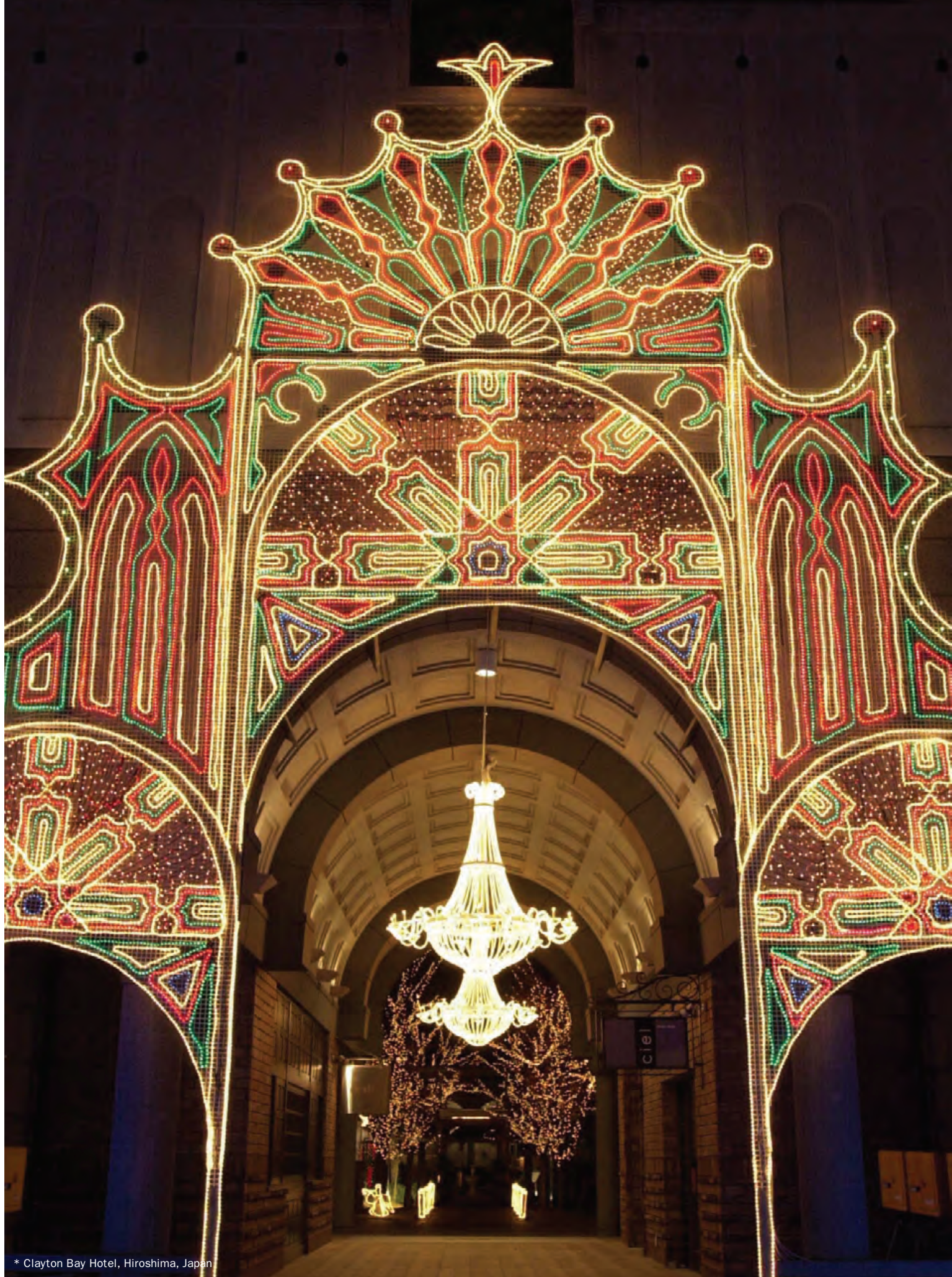
" T " means Twinkle LED (There is one twinkle LED in every other five LED)

Available Colors: Red, Yellow, Yellow Green, Blue, Green, Cool White, Orange

Specifications

Cross Section	Item NO.	Length in Roll	LED Spacing	LED Qty.	Unit Length	Watt per meter or foot	No. of LED per unit
 Ø10 mm	LED-ML(H)-2W-100-240V	100m	27.7mm	3600pcs	3.3m (R,Y)	1.44W/m	120pcs
	LED-ML(H)-2W-300-120V	300Ft	1"		2m (B,W,G)	2.4W/m	72pcs
	LED-ML(H)-2W-300-100V				5Ft (R,Y)	0.48W/Ft	60pcs
	LED-ML(H)-2W-100-24V	100m	27.7mm		3Ft (B,W,G)	0.8W/Ft	36pcs
	LED-ML(H)-2W-300-12V	300Ft	1"		5Ft (R,Y)	0.48W/Ft	60pcs
 Ø13 mm	LED-DL(H)-2W-100-240V	100m	27.7mm	3600pcs	3.3m (R,Y)	1.44W/m	120pcs
	LED-DL(H)-2W-300-120V	300Ft	1"		2m (B,W,G)	2.4W/m	72pcs
	LED-DL(H)-2W-300-100V				5Ft (R,Y)	0.48W/Ft	60pcs
	LED-DL(H)-2W-100-24V	100m	27.7mm		3Ft (B,W,G)	0.8W/Ft	36pcs
	LED-DL(H)-2W-300-12V	300Ft	1"		5Ft (R,Y)	0.48W/Ft	60pcs
 Ø16 mm	LED-DL16(H)-2W-100-240V	100m	27.7mm	3600pcs	3.3m (R,Y)	1.44W/m	120pcs
	LED-DL16(H)-2W-300-120V	300Ft	1"		2m (B,W,G)	2.4W/m	72pcs
	LED-DL16(H)-2W-300-100V				5Ft (R,Y)	0.48W/Ft	60pcs
	LED-DL16(H)-2W-100-24V	100m	27.7mm		3Ft (B,W,G)	0.8W/Ft	36pcs
	LED-DL16(H)-2W-300-12V	300Ft	1"		5Ft (R,Y)	0.48W/Ft	60pcs

Available Colors: Red, Yellow, Yellow Green, Blue, Green, Cool White, Orange



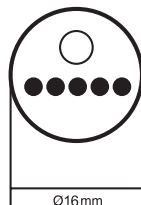
* Clayton Bay Hotel, Hiroshima, Japan

LED Duralight™ 3/4/5WRHE

(3/4/5-wire Round Horizontal Emitting)

LED Duralight™ 3/4/5WRHE is a single color LED linear rope light solution that is offered in a variety of colors and power supply options. The physical housing of this product is round and the LEDs are situated to emit the light horizontally directly with some diffuse light vertically through the clear PVC housing. The third wires enables the addition of a second color and enables chasing or as some people refer to it as flowing effect. Color chasing is realized using a simple 3/4/5 wire Duralight™ controller.

Specifications

Cross Section	Item NO.	Length in Roll	LED Spacing	LED Qty.	Unit Length	Watt per meter or foot	No. of LED per unit
 Ø13 mm 3-WRHE  CB	LED-DL(H)-3W-100-240V	100m	27.7mm	3600pcs	4m (RG)	2.4W/m	144pcs
	LED-DL(H)-3W-300-120V	300Ft	1"		6.6m (R,Y,O)	1.44W/m	240pcs
					2.4m (B,W,G)	2.4W/m	144pcs
					6Ft (RG)	0.8W/Ft	72pcs
					10Ft (R,Y,O)	0.48W/Ft	120pcs
	LED-DL(H)-3W-300-100V				6Ft (B,W,G)	0.8W/Ft	72pcs
					6Ft (RG)	0.67W/Ft	72pcs
	LED-DL(H)-3W-100-24V	100m	27.7mm		10Ft (R,Y,O)	0.4W/Ft	120pcs
					6Ft (B,W,G)	0.67W/Ft	72pcs
	LED-DL(H)-3W-100-24V				0.66m (RG)	2.16W/m	24pcs
					0.66m (R,Y)	1.44W/m	24pcs
					0.33m (B,W,G)	2.88W/m	24pcs
					1Ft (RG)	0.72W/Ft	12pcs
LED-DL(H)-3W-300-12V	300Ft	1"	1Ft (R,Y,O)	0.48W/Ft	12pcs		
			0.5Ft (B,W,G)	0.96W/Ft	6pcs		
 Ø16 mm 3-WRHE  CB	LED-DL16(H)-3W-100-240V	100m	27.7mm	3600pcs	4m (RG)	2.4W/m	144pcs
	LED-DL16(H)-3W-300-120V	300Ft	1"		6.6m (R,Y,O)	1.44W/m	240pcs
					2.4m (B,W,G)	2.4W/m	144pcs
					6Ft (RG)	0.8W/Ft	72pcs
					10Ft (R,Y,O)	0.48W/Ft	120pcs
	LED-DL16(H)-3W-300-100V				6Ft (B,W,G)	0.8W/Ft	72pcs
					6Ft (RG)	0.67W/Ft	72pcs
	LED-DL16(H)-3W-100-24V	100m	27.7mm		10Ft (R,Y,O)	0.4W/Ft	120pcs
					6Ft (B,W,G)	0.67W/Ft	72pcs
	LED-DL16(H)-3W-100-24V				0.66m (RG)	2.16W/m	24pcs
					0.66m (R,Y)	1.44W/m	24pcs
					0.33m (B,W,G)	2.88W/m	24pcs
					1Ft (RG)	0.72W/Ft	12pcs
LED-DL16(H)-3W-300-12V	300Ft	1"	1Ft (R,Y,O)	0.48W/Ft	12pcs		
			0.5Ft (B,W,G)	0.96W/Ft	6pcs		
 Ø14 mm 4-WRHE 	LED-DL14(H)-4W-100-240V	100m	27.7mm	3600pcs	6m (RGB)	2.4W/m	216pcs
	LED-DL14(H)-4W-300-120V	300Ft	1"		10m (R,Y,O)	1.44W/m	360pcs
					6m (B,W,G)	2.4W/m	216pcs
					9Ft (RGB)	0.8W/Ft	108pcs
					15Ft (R,Y,O)	0.48W/Ft	180pcs
	LED-DL(H)-4W-300-100V				9Ft (B,W,G)	0.8W/Ft	108pcs
					9Ft (RGB)	0.67W/Ft	108pcs
	LED-DL(H)-4W-100-24V	100m	27.7mm		15Ft (R,Y,O)	0.4W/Ft	180pcs
					9Ft (B,W,G)	0.67W/Ft	108pcs
	LED-DL(H)-4W-100-24V				1m (RGB)	2.4W/m	36pcs
					1m (R,Y,O)	1.44W/m	36pcs
					0.5m (B,W,G)	2.88W/m	18pcs
					1.5Ft (RGB)	0.8W/Ft	18pcs
LED-DL14(H)-4W-300-12V	300Ft	1"	1.5Ft (R,Y,O)	0.48W/Ft	18pcs		
			0.75Ft (B,W,G)	0.96W/Ft	9pcs		
 Ø16 mm 5-WRHE 	LED-DL16(H)-5W-100-240V	100m	27.7mm	3600pcs	8m (RGYB)	2.4W/m	288pcs
	LED-DL16(H)-5W-300-120V	300Ft	1"		13.3m (R,Y,O)	1.44W/m	480pcs
					8m (B,W,G)	2.4W/m	288pcs
					12Ft (RGYB)	0.8W/Ft	144pcs
					20Ft (R,Y,O)	0.48W/Ft	240pcs
	LED-DL16(H)-5W-300-100V				12Ft (B,W,G)	0.8W/Ft	144pcs
					12Ft (RGYB)	0.67W/Ft	144pcs
	LED-DL16(H)-5W-100-24V	100m	27.7mm		20Ft (R,Y,O)	0.4W/Ft	240pcs
					12Ft (B,W,G)	0.67W/Ft	144pcs
	LED-DL16(H)-5W-100-24V				1.33m (RGYB)	2.16W/m	48pcs
					1.33m (R,Y)	1.44W/m	48pcs
					0.66m (B,W,G)	2.88W/m	24pcs
					2Ft (RGYB)	0.72W/Ft	24pcs
LED-DL16(H)-5W-300-12V	300Ft	1"	2Ft (R,Y,O)	0.48W/Ft	24pcs		
			1Ft (B,W,G)	0.96W/Ft	12pcs		

Connection and Accessories

Connection Systems for all 2, 3, 4/5 Wire Round Horizontal and Vertically Emitting LED Duralight™

1. Assembly Connector

for LED-DL-2W / LED-DL(H)-2W / LED-ML(H)-2W / LED-DL(H)-3W



Front Connector includes:

1. Power Connector: DL-2W-A-1 / ML(H)-2W-A-1 (with attached Threaded Nut),
2. Threaded Nut: DL-2W-A-2 / ML(H)-2W-A-2,
3. Double Ended Threaded Coupler: DL-2W-A-3 / ML(H)-2W-A-3,
4. 2-Way Double Pin Connector: DL-2W-A-4 / ML(H)-2W-A-4
5. Opposing Small Nut: DL-2W-A-5 / ML(H)-2W-A-5

Splicable Connector includes:

1. Opposing Small Nut: DL-2W-A-5 / ML(H)-2W-A-5,
2. 2-Way Double Pin Connector: DL-2W-A-4 / ML(H)-2W-A-4
3. Double Ended Threaded Coupler: DL-2W-A-3 / ML(H)-2W-A-3,
4. Threaded Nut: DL-2W-A-2 / ML(H)-2W-A-2,
5. Single Ended Threaded Coupler: DL-2W-A-2 / ML(H)-2W-A-2,
6. 1-Way Female Connecting Pin: DL-2W-A-7 / ML(H)-2W-A-7

Attachable End Cap: DL-2W-A-8 / ML(H)-2W-A-8

2. Molded Connector (UL listed and GS approved)

for LED-DL-2W / LED-DL(H)-2W / LED-ML(H)-2W / LED-DL(H)-3W / LED-DL16-2W / LED-DL16(H)-2W



Front Connector includes:

1. Molded Power Connector: ML(H)-2W-GS-1 / DL-2W-GS-1 / DL16-2W-GS-1 (with core connector ML(H)-2W-GS-1-1 / DL-2W-GS-1-1 / DL16-2W-GS-1-1 molded inside) DL-3W-GS-1 (Core connector DL-3W-GS-1-1 molded inside) DL16-3W-GS-1 (Core connector DL16-3W-GS-1-1 molded inside)

Molded End Cap: ML(H)-2W-GS-2 / DL-2W-GS-2 / DL-3W-GS-2 / DL-5W-GS-2

3. Conch Connector (IP44)

for LED-DL-2W / LED-DL(H)-2W / LED-ML(H)-2W / LED-DL(H)-3W
This construction is waterproof if applied properly.



Front Connector includes:

1. Conch Power Connector: DL-2W-C-1 / ML(H)-2W-C-1
2. 2-Way Double Pin Connector: DL-2W-A-4 / ML(H)-2W-A-4
3. Conch: DL-2W-C-2 / ML(H)-2W-C-2.

Splicable Connector includes:

1. 2-Way Double Pin Connector: DL-2W-A-4 / ML(H)-2W-A-4
2. 1-Way Female Connecting Pin: DL-2W-A-7 / ML(H)-2W-A-7
3. Conch: DL-2W-C-2 / ML(H)-2W-C-2

Attachable End Cap with Hose Style Clamp.

4. New Extendable Connector

for LED-DL-2W / LED-DL(H)-2W / LED-ML(H)-2W / LED-DL(H)-3W



Front Connector Includes:

1. Female Power Connector: DL-2W-NAM-1 (with PC NUT M24: DL-2W-AM-5); DL(H)-3W-NAM-1 (with PC NUT M24: DL-3W-AM-5);
2. Male Connector which is molded on Duralight™: DL-2W-NAM-2 / DL(H)-3W-NAM-2
3. Waterproofing Seal: DL-2W-AM-6 / DL(H)-3W-AM-6

Splicing Connector Includes:

1. Female Connector molded onto the Duralight™: DL-2W-NAM-3 (with PC nut M24); DL(H)-3W-NAM-3 (with PC nut M24);
2. Male Connector molded onto the Duralight™: DL-2W-NAM-2 / DL(H)-3W-NAM-2,
3. Waterproofing Seal

Assembled Molded End Cap:

1. Female Connector which is molded onto The Duralight™: DL-2W-AM-2 / DL(H)-3W-AM-2
2. End cap DL-2W-AM-4,
3. PC Nut and Waterproof Seal.

5. Easy Connector

for LED-DL-2W / LED-DL(H)-2W / LED-ML(H)-2W / LED-DL(H)-3W / LED-DL16-2W / LED-DL16(H)-2W / LED-DL16(H)-3W



Front Connector Includes:

1. Female Power Connector: ML(H)-2W-CA-1 / DL-2W-CA-1 / DL16-2W-CA-1 / DL(H)-3W-CA-1 / DL16(H)-3W-CA-1
2. 2-Way Double Pin Connector: ML(H)-2W-A-4 / DL-2W-A-4 / DL16-2W-A-4 / DL(H)-3W-A-4 / DL16(H)-3W-A-4
3. Heat Shrink Tube

Splicable Connector Includes:

1. 2-Way Double Pin Connector: ML(H)-2W-A-9 / DL-2W-A-9 / DL16-2W-A-9 / DL(H)-3W-A-9 / DL16(H)-3W-A-9,
2. PVC Tube: ML(H)-2W-CA-2 / DL-2W-CA-2 / DL16-2W-CA-2
3. Heat Shrink Tube

Attachable End Cap: ML(H)-2W-A-8 / DL-2W-A-8 / DL16-2W-A-8

6. Quick Connector

This construction is not waterproof. However, the length of the rope light can be adjusted and it is suitable for commercial projects.



Front Connector Includes

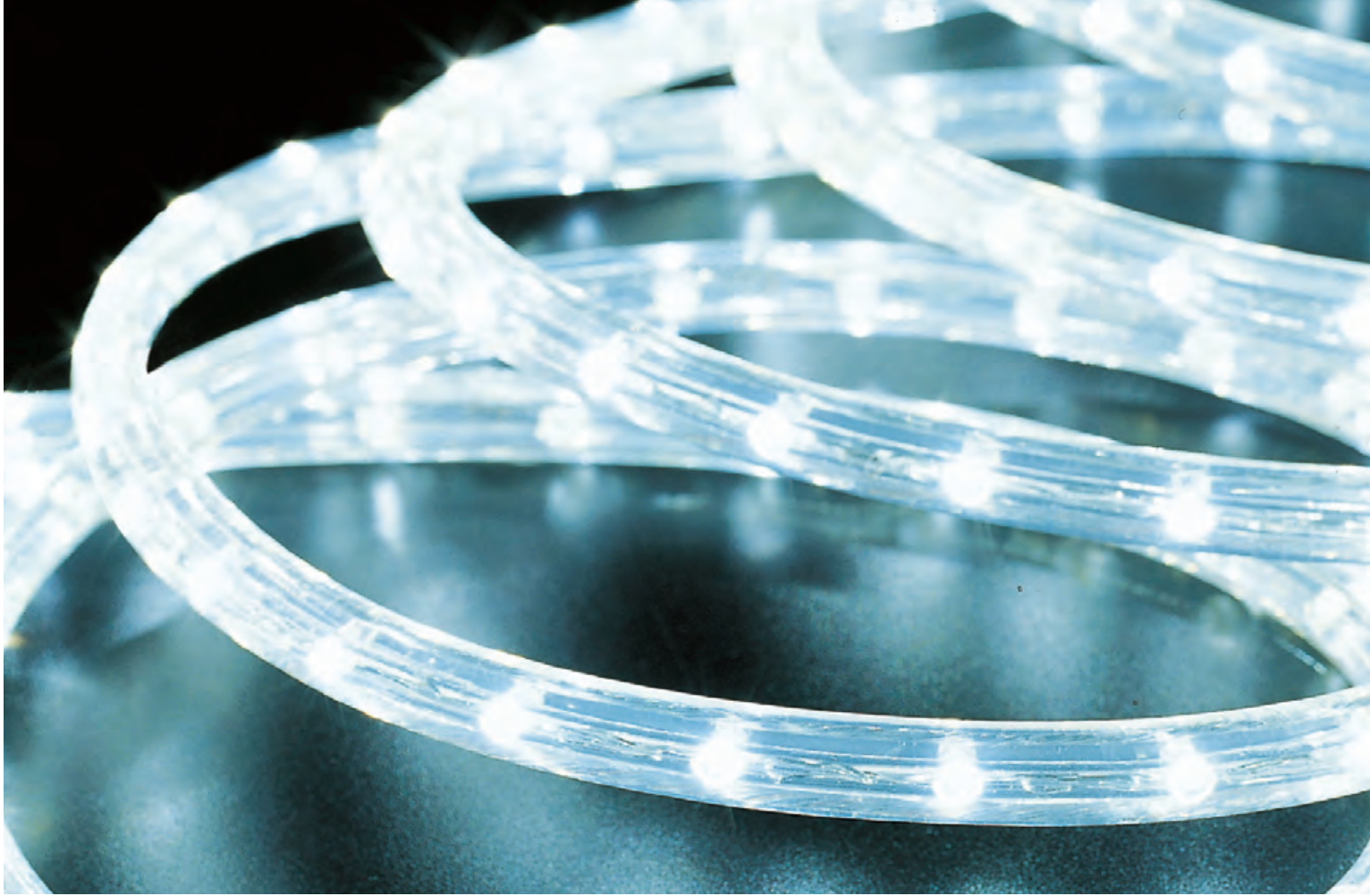
1. Power Connector: ML(H)-2W-A-1 / DL-2W-A-1 / DL16-2W-A-1 / DL(H)-3W-A-1 / DL16(H)-3W-A-1 (Threaded Nut attached),
2. Threaded Nut
3. Front Connector: ML(H)-2W-G-1 / DL-2W-G-1 / DL16-2W-G-1 / DL(H)-3W-G-1 / DL16(H)-3W-G-1
4. Opposing Small Nut: ML(H)-2W-A-5 / DL-2W-A-5 / DL16-2W-A-5 / DL(H)-3W-A-5 / DL16(H)-3W-A-5

Splicable Connector Includes

1. Splicing Butt Connector: ML(H)-2W-G-2 / DL-2W-G-2 / DL16-2W-G-2 / DL(H)-3W-G-2 / DL16(H)-3W-G-2
2. Small Fastening Nut: ML(H)-2W-A-5 / DL-2W-A-5 / DL16-2W-A-5 / DL(H)-3W-A-5 / DL16(H)-3W-A-5

Attachable End Cap

ML(H)-2W-A-8 / DL-2W-A-8 / DL16-2W-A-8 / DL(H)-3W-A-8 / DL16(H)-3W-A-8

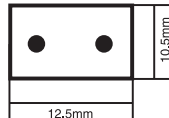


* Clayton Bay Hotel, Hiroshima, Japan

LED Duralight™ 2WRTVE (2-wire Rectangular Vertically Emitting)

LED Duralight™ 2WRTVE is a single color LED linear rope light solution that is offered in a variety of colors and power supply options. The physical housing of this product is rectangular and the LEDs are situated to emit the light vertically through the clear PVC housing.

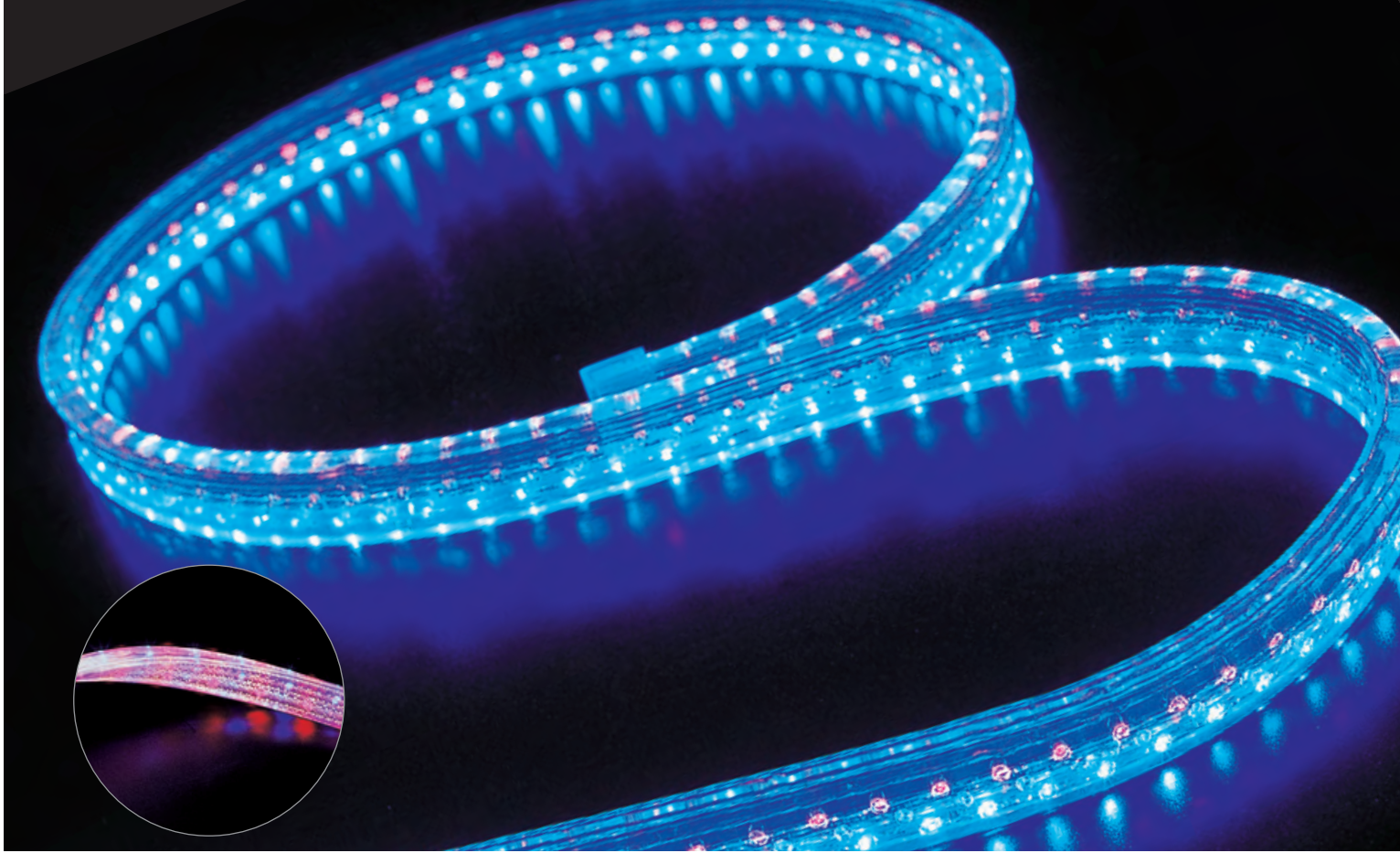
Specifications

Cross Section	Item NO.	Length in Roll	LED Spacing	LED Qty.	Unit Length	Watt per meter or foot	No. of LED per unit
 10.5x12.5 mm	LED-MFL-2W-30-240V	10m	27.7mm	360pcs	3.3m (R,Y,O)	1.44W/m	120pcs
	LED-MFL-2W-150-240V	50m		1800pcs	2m (B,W,G)	2.4W/m	72pcs
	LED-MFL-2W-300-240V	100m		3600pcs			
	LED-MFL-2W-30-120V	30Ft	25.4mm	360pcs	5Ft (R,Y,O)	0.48W/Ft	60pcs
	LED-MFL-2W-150-120V	150Ft		1800pcs	3Ft (B,W,G)	0.8W/Ft	36pcs
	LED-MFL-2W-300-120V	300Ft		3600pcs			
	LED-MFL-2W-30-100V	30Ft		360pcs	5Ft (R,Y,O)	0.4W/Ft	60pcs
	LED-MFL-2W-150-100V	150Ft		1800pcs	3Ft (B,W,G)	0.67W/Ft	36pcs
	LED-MFL-2W-300-100V	300Ft		3600pcs			
	LED-MFL-2W-300-24V	100m	27.7mm	3600pcs	0.33m (R,Y,O)	1.44W/m	12pcs
LED-MFL-2W-300-12V	300Ft	25.4mm	0.17m (B,W,G)		2.88W/m	6pcs	
			0.5Ft (R,Y,O)		0.48W/Ft	6pcs	
			0.25Ft (B,W,G)		0.96W/Ft	3pcs	



13.5x15.5 mm	LED-FL-2W-10-240V	10m	27.7mm	360pcs	3.3m (R,Y,O)	1.44W/m	120pcs
LED-FL-2W-50-240V	50m	1800pcs	2m (B,W,G)	2.4W/m	72pcs		
LED-FL-2W-100-240V	100m	3600pcs					
LED-FL-2W-30-120V	30Ft	25.4mm	360pcs	5Ft (R,Y,O)	0.48W/Ft	60pcs	
LED-FL-2W-150-120V	150Ft	1800pcs	3Ft (B,W,G)	0.8W/Ft	36pcs		
LED-FL-2W-300-120V	300Ft	3600pcs					
LED-FL-2W-30-100V	30Ft	360pcs	5Ft (R,Y,O)	0.4W/Ft	60pcs		
LED-FL-2W-150-100V	150Ft	1800pcs	3Ft (B,W,G)	0.67W/Ft	36pcs		
LED-FL-2W-300-100V	300Ft	3600pcs					
LED-FL-2W-100-24V	100m	27.7mm	3600pcs	0.33m (R,Y,O)	1.44W/m	12pcs	
LED-FL-2W-300-12V	300Ft	25.4mm	0.17m (B,W,G)	2.88W/m	6pcs		
0.5Ft (R,Y,O)	0.48W/Ft	6pcs					
0.25Ft (B,W,G)	0.96W/Ft	3pcs					

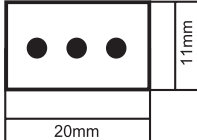
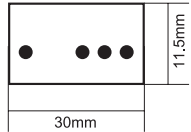
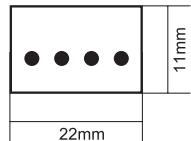
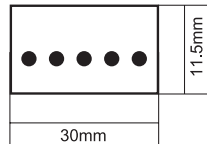
Available Colors: Red, Yellow, Yellow Green, Blue, Green, Cool White, Orange



LED Duralight™ 3/4/5WRTVE (3/4/5-wire Rectangular Vertically Emitting)

LED Duralight™ 3/4/5WRTVE is a single color LED linear rope light solution that is offered in a variety of colors and power supply options. The physical housing of this product is rectangular and the LEDs are situated to emit the light to both sides directly with some diffuse light vertically through the clear PVC housing. The third wires enables the addition of a second color and enables chasing or as some people refer to it as flowing effect. Color chasing is realized using a simple 3/4/5 wire Duralight™ controller.

Specifications

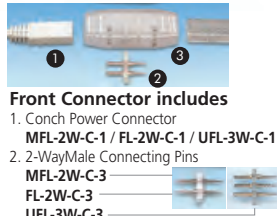
Cross Section	Item NO.	Length in Roll	LED Spacing	LED Qty.	Unit Length	Watt per meter or foot	No. of LED per unit
 11x20 mm 	UFL-LED-FL-3W-90-240V	90m	12.5mm	7200pcs	1.8m (RG)	5.3W/m	144pcs
	UFL-LED-FL-3W-90-120V				3m (R,Y,O)	3.2W/m	240pcs
					1.8m (B,W,G)	5.3W/m	144pcs
	UFL-LED-FL-3W-90-100V				0.9m (RGB)	1.62W/Ft	72pcs
					1.5m (R,Y,O)	0.98W/Ft	120pcs
	UFL-LED-FL-3W-90-24V				0.9m (B,W,G)	1.62W/Ft	72pcs
					0.9m (RGB)	1.34W/Ft	72pcs
UFL-LED-FL-3W-90-12V	0.3m (RGB)	4.8W/m	24pcs				
	0.3m (R,Y)	3.2W/m	24pcs				
	0.15m (B,W,G)	6.4W/m	24pcs				
	0.15m (RG)	1.46W/Ft	12pcs				
	0.15m (R,Y,O)	0.98W/Ft	12pcs				
	75mm (B,W,G)	1.95W/Ft	6pcs				
	 11.5x30 mm	UFL-LED-FL-4W-RGB-240V	54m	12.5mm	4320pcs	2.7m	5.3W/m
UFL-LED-FL-4W-RGB-120V		1.35m				5.3W/m	108pcs
		UFL-LED-FL-4W-RGB-100V				1.35m	4.4W/m
UFL-LED-FL-4W-RGB-24V		0.45m				5.3W/m	36pcs
UFL-LED-FL-4W-RGB-12V		90m	0.225m	5.3W/m	18pcs		
 11x22 mm	UFL-LED-FL-11x22-4W-RGB-240V	54m	9.26mm	5832pcs	1m	1.44W/m	108pcs
	UFL-LED-FL-11x22-4W-RGB-120V					7.2W/m	
	UFL-LED-FL-11x22-4W-RGB-100V					6W/m	
	UFL-LED-FL-11x22-4W-RGB-24V				0.33m	7.2W/m	36pcs
	UFL-LED-FL-11x22-4W-RGB-12V	90m	0.167m	7.2W/m	18pcs		
 11.5x30 mm	UFL-LED-FL-5W-RGYB-240V	54m	6.94mm	7776pcs	2m	9.6W/m	288pcs
	UFL-LED-FL-5W-RGYB-120V				1m	9.6W/m	144pcs
					UFL-LED-FL-5W-RGYB-100V	1m	8W/m
	UFL-LED-FL-5W-RGYB-24V				0.33m	8.64W/m	48pcs
	UFL-LED-FL-5W-RGYB-12V	90m	0.167m	8.64W/m	24pcs		

Connection and Accessories

Connection Systems for all 2, 3, 4/5 Wire Rectangular Vertically Emitting LED Duralight™

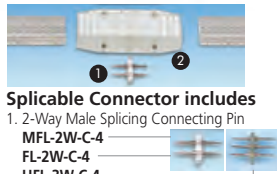
1. Conch Connector (GS approved)

for: LED-MFL-2W / LED-FL-2W / LED-FL-3W



Front Connector includes

- Conch Power Connector
MFL-2W-C-1 / FL-2W-C-1 / UFL-3W-C-1
- 2-Way Male Connecting Pins
MFL-2W-C-3
FL-2W-C-3
UFL-3W-C-3
- Conch: **MFL-2W-C-2/FL-2W-C-2/UFL-3W-C-2**



Splicable Connector includes

- 2-Way Male Splicing Connecting Pin
MFL-2W-C-4
FL-2W-C-4
UFL-3W-C-4
- Conch Screw and Nut
MFL-2W-C-2 / FL-2W-C-2 / UFL-3W-C-2



Attachable End Cap
MFL-2W-G-5
FL-2W-G-5
UFL-3W-G-5

Note This construction is waterproof after you connectors and splices with silicone adhesive. The length of the rope light can be adjusted and it is suitable for commercial projects.

2. New Extendable Connector (UL listed and GS approved)

only for LED-MFL-2W



Front Connector Includes

- Female Power Connector:
MFL-2W-NAM-1 (with PC NUT M24: DL-2W-EAM-5),
- Male Connector Molded onto the Duralight™:
MFL-2W-NAM-2,
- Waterproof Seal: **DL-2W-NAM-6**.



Splicable Connector Includes

- Female Connector Molded onto the Duralight™:
MFL-2W-NAM-3(with PC nut M24),
- Male Connector Molded onto the Duralight™:
MFL-2W-NAM-2,
- Waterproof Seal: **DL-2W-NAM-6**.



Screw End Cap

- Male Connector molded onto the Duralight™: **MFL-2W-AM-3**,
- End Cap with screw thread **DL-2W-AM-4**,
- PC Nut and Waterproof Seal.

Note: This construction is waterproof after you connectors and splices with silicone adhesive. However, the length of the rope light cannot be adjusted.

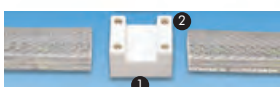
3. Quick Connector

only for LED-MFL-2W



Front Connector Includes

- Power Connector
MFL-2W-G-1 (with hook cover MFL-2W-G-3),
- Front Connector: **MFL-2W-G-2**,
- Self Tapping Screws



Splicable Connector Includes

- Splicing Connector: **MFL-2W-G-4**,
- Self Tapping Screws

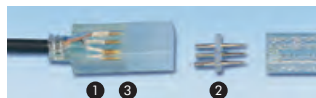


Attachable End Cap
MFL-2W-G-5

Note This construction is not waterproof. However, the length of the rope light can be adjusted and it is suitable for commercial projects.

4. Easy Connector

for LED-FL-3W / LED-FL-4W / LED-FL-5W / LED-FL-11X22-4W



Front Connector includes

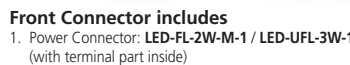
- Female Power Connector
LED-UFL-3W-CA-1
LED-UFL-4W-RGB-CA-1
LED-FL-4W-RGB-CA-1
LED-FL-5W-RGB-CA-1
- Male Connecting Pin
LED-UFL-3W-CA-2
LED-UFL-4W-RGB-CA-2
LED-FL-4W-RGB-CA-2
LED-FL-5W-RGB-CA-2
- Heat Shrink Tube



Attachable End Cap
LED-UFL-3W-CA-5
LED-UFL-4W-RGB-CA-5
LED-FL-4W-RGB-CA-5

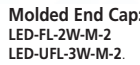
5. Molded Connector (UL listed and GS approved)

for LED-FL-2W / LED-UFL-3W / LED-MFL-2W / LED-FL-11X22-4W / LED-FL-4W / LED-FL-5W



Front Connector includes

- Power Connector: **LED-FL-2W-M-1 / LED-UFL-3W-1**
(with terminal part inside)



Molded End Cap:
LED-FL-2W-M-2
LED-UFL-3W-M-2

Note This construction is waterproof after you connectors and splices with silicone adhesive. However, the length of the rope light cannot be adjusted.

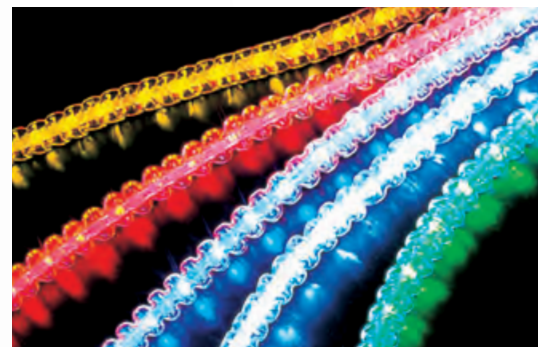


* Clayton Bay Hotel, Hiroshima, Japan

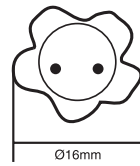


LED Duralight™ Festive

LED Duralight™ Festive is a single color LED linear rope light solution that is offered in a variety of colors and power supply options. The physical housing of this product consists of semi-star shaped cross section profile and from the side appears like a succession of pods. The name festive comes from the fact the shape appears as a string of illuminated beads that you might see in a festival or party atmosphere. The LEDs are situated to emit the light vertically through the clear PVC housing.



Specifications

Cross Section	Item NO.	Length in Roll	LED Spacing	LED Qty.	Unit Length	Watt per meter or foot	No. of LED per unit
 Ø16mm	LED-FDL-2W-100-240V	100m	27.7mm	3600pcs	3.3m (R,Y,O)	1.44W/m	120pcs
	LED-FDL-2W-300-120V	300Ft	1"		2m (B,W,G)	2.4W/m	72pcs
	LED-FDL-2W-300-100V				5Ft (R,Y,O)	0.48W/Ft	60pcs
					3Ft (B,W,G)	0.8W/Ft	36pcs
					5Ft (R,Y,O)	0.4W/Ft	60pcs
					3Ft (B,W,G)	0.67W/Ft	36pcs
	LED-FDL-2W-100-24V	100m	27.7mm		0.33m (R,Y,O)	1.44W/m	12pcs
	LED-FDL-2W-300-12V	300Ft	1"		0.17m (B,W,G)	2.88W/m	6pcs
					0.5Ft (R,Y,O)	0.48W/Ft	6pcs
					0.25Ft (B,W,G)	0.96W/Ft	3pcs

Available Colors Red, Yellow, Yellow Green, Blue, Green, Cool White, Orange

Connection Systems LED Duralight™ Festive New Extendable Connector



Front Connector includes
 1. Female Power Connector.
DL-2W-NAM-1 (with PC NUT M24: DL-2W-AM-5),
 2. Male connector which is molded onto the Duralight™
DL-2W-NAM-2,
 3. Waterproof seal: **DL-2W-AM-6**



Splicable Connector includes
 1. Female Connector which is molded onto the Duralight™
DL-2W-NAM-3 (with PC nut M24),
 2. Male Connector molded onto the Duralight™
DL-2W-NAM-2,
 3. Waterproof Seal



Assembled Molded End cap
 1. Female Connector which is molded onto the Duralight™
DL-2W-AM-2,
 2. End Cap **DL-2W-AM-4**,
 3. PC Nut and waterproof seal.



* Private Villa, Repulse Bay, Hong Kong, P.R. China



LED Rigid Linear Square

LED Rigid Linear Square single color and RGB were designed to provide lighting designers with a rigid linear LED solution for indoor applications in areas that require additional protections. These areas application include but is not limited to heavy foot traffic areas such as stair toe kicks, bar foot rests, and under cabinet cove illumination.

LED Rigid Linear Square is easy to install, and virtually indestructible over an ultra-long life-span of product! LED Rigid Linear Square are low voltage energy savings products that incorporate the very latest in LED technology. LED Rigid Linear Square is available in single colors such as WLED (White), Red, Green, Blue, Yellow, and Orange with the Ø3 LED or optional SMD 1206 single color LED. The RGB Type of LED Rigid Linear Square offers (RGB) full color 1206 SMD LED's.



Features and Benefits

- Ultra Bright Ø3 LED (Single Color: WLED white, red, green, blue, yellow and orange)
- SMD 1206 Single Color Option
- SMD 1206 RGB 16.7M True 24-Bit Linear Color Control (RGB Type) using the SL-410L-24V controller.
- Virtually Indestructible Housing Design
- Energy Saving
- Extreme Long Life
- Low Voltage
- Easy to Install



Ø3 single color LED

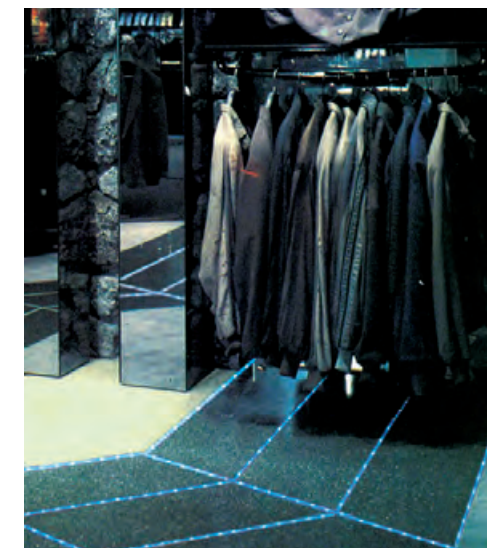


SMD 1206 RGB LED

Specifications

Item No.	LT(S)-0.5-1F-12V LT(S)-0.5-2F-12V LT(S)-0.5-3F-12V			LT(S)-1-1F-12V LT(S)-1-2F-12V LT(S)-1-3F-12V			LT(S)-2-1F-12V LT(S)-2-2F-12V LT(S)-2-3F-12V			LT(S)-3-1F-12V LT(S)-3-2F-12V LT(S)-3-3F-12V			LT(S)-RGB-1-1F-24V LT(S)-RGB-1-2F-24V LT(S)-RGB-1-3F-24V		
Color	Single Color (R, G, B, Y, YG, O)												RGB		
Bulbs Spacing	0.5"			1"			2"			3"			1"		
Length of Tube	1'	2'	3'	1'	2'	3'	1'	2'	3'	1'	2'	3'	1'	2'	3'
LED Qty. (pcs)	24	48	72	12	24	36	6	12	18	4	8	12	12x3	24x3	36x3
Watts of Tube (W)	1.92	3.84	5.76	0.96	1.92	2.88	0.48	0.96	1.44	0.48	0.96	1.44	2.88	5.76	8.64
Max No.of Loading Tube	10Ft			20Ft			40Ft			40Ft			15Ft	14Ft	15Ft
Watts per Unit	0.24W												1.44W		

Note: SMD 1206 Single Color LED is available, please contact Neo-Neon sales executive for more information about it.





* Neo-Neon Showroom, Jiangmen, P.R.China

Now available in WLED Cool White, Warm, and Ultra Warm White Color
Correlated Temperatures ranging from 2000 to 10,000K!

LED Rotary Shelf Light

LED Rotary Shelf Light is a single color energy saving long life rigid linear solution. LED Rotary Shelf lights incorporate the very latest in super bright Ø3 LED technology. LED Rotary Shelf lights come in two shapes, Square and Semi-Circular. Additionally you can choose from fixed lengths or extendable. The extendable version enables you to connect multiple sections together if the application calls for that.

Constructed of a central PCB with mounted LEDs encased in a aluminum track and clear PC cap the LED Rotary Shelf light is compact, lightweight and designed for a variety of applications. Many customers around the world apply the LED Rotary Shelf light as under cabinets lighting, tradeshow displays, product displays, cove accents, and many more.

The easy to affix plastic mounting system enables the rotation of the fixture to adjust projection angle to the desired area or illumination. LED Rotary Shelf Lights come in many popular LED colors such as WLED Cool White, Warm White, Ultra-Warm White, Red, Green, Blue, Yellow, Yellow Green, and Orange.

Features and Benefits

- Ultra Bright Ø3 LED (Single Color)
- Wide Variety of LED Colors (CCT bases 2,000 to 10,000K), Red, Green, Blue, Yellow, Yellow Green, Orange.
- 2 Styles of Aluminum Fixture Profile and Clear PC Aperture
- Comes with rotatable mounting hardware
- Energy Saving
- Extreme Long Life
- Low Voltage
- Easy to Install



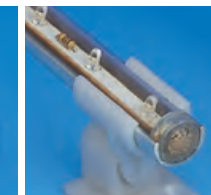
Square
Extendable type



Semicircle
Extendable type



Square type
Inextendable type



Semicircle type
Inextendable type



Specifications

Item No.	LED RSL-12-24V-Z-EX		LED RSL-12-24V-Z-EX-S		LED RSL-12-24V-Z		LED RSL-12-24V-Z-S		LED RS1W-3-0.35A
	LED RSL-24-24V-Z-EX		LED RSL-24-24V-Z-EX-S		LED RSL-24-24V-Z		LED RSL-24-24V-Z-S		
	LED RSL-3624V-Z-EX		LED RSL-3624V-Z-EX-S		LED RSL-3624V-Z		LED RSL-3624V-Z-S		
	LED RSL-48-24V-Z-EX		LED RSL-48-24V-Z-EX-S		LED RSL-48-24V-Z		LED RSL-48-24V-Z-S		
Color	Cool White, Warm White, Ultra Warm White, R, G, B, Y, YG, O								
Bulbs Spacing	1"								10cm
Length	12"	24"	36"	48"	12"	18"	30"	40cm	
LED Qty. (pcs)	12	24	36	48	12	18	30	3	
Power Consumption (W)	0.96	1.92	2.88	3.84	0.96	1.44	2.4	3	
Voltage	24V DC								

Part Number Definitions:

"Z" – Color (Place desired color symbol here to choose the color of LED)

"EX" – Extendable

"S" – Semi-Circular Housing

