

# www.neo-neon.com

### LED NEON FLEX LARGE SIZE INSTALLATION INFO SHEET



### THE MOST VERSATILE AND SIMPLE LIGHTING SYSTEM YOU WILL EVER USE

LED Neon Flex is a green friendly safe low voltage DIY easy to install lineal long life lighting system that can be simply bent and cut to whatever your design requires for both indoors and out!

Perfect for lighting ceiling coves, floor coves, feature walls, back lighting Perspex or glass, outlining buildings & awnings, step lighting, Bars, Pubs, Restaurants, Homes, Hotels, Night Clubs, Casinos, Film and Stage sets, Music Festivals, Concerts, signs and of course a great replacement for traditional neon!

Available in the colours of red, green, yellow, blue, orange, pink, warm white, and cool white.

Also available in a RGB Colour Changing - Log on to www.neo-neon.com for RGB info sheet.



#### LETS GET STARTED STEP 1 - PLAN YOUR JOB

Good preplanning at your LED Neon Hex job at the start, makes for a very easy job down the track. The next couple of pages will help guide you through each step, this info sheet will also help you with what transformers cobles and LED Neon Flex accessories you will need. So lets get started! There are many reference photos and ideas available on our web site

www.neo-neon.com



#### STEP 2 - PICK THE RIGHT TRANSFORMER FOR YOUR JOB



voltage work should only be Do not run more led neon than recommended as it will shorten the life of the led and may damage the transformer. led neon flex runs on a safe
extra low voltage of 24 volt dc led drivers are
specially made transformers converting 240
volts ac to a clean constant 24 volt dc, the
constant power protects the led giving the led
neon a much longer life, there are different
types of led drivers
depending on the application and lengths of

depending on the application and lengths of led neon, any 24 volt dc led driver will run the led neon flex, please see below toble which one will suit your job the best, we also have ip67 (weatherproof) led drivers available, led driver transformer details and downloadable pdf's for each model available at

www.neo-neon.com



PICK THE SWITCHING POWER SUPPLY TO SUIT YOUR JOB

Tick the switching to were soft in to soft to charge						
Led Neon Colour Large Size 24 Volt Dc	Max Length Of One Continuous Piece	24 Volt Dc 30 Watt Transformer Total Length You Can Run	24 Volt Dc 60 Watt Transformer Total Length You Can Run	24 Volt Dc 100 Watt Transformer Total Length You Can Run	24 Volt Dc 150 Watt Transformer Total Length You Can Run	LED NEON FLEX VVATTS PER METER
WARM WHITE	20 METERS	4.2 METERS	8.5 METERS	11.4 METERS	14.2 METERS	6.3W
COOL WHITE	20 METERS	4.2 METERS	8.5 METERS	11.4 METERS	14.2 METERS	6.3W
RED	20 METERS	5.6 METERS	11.4 METERS	19 METERS	/	4.7W
PINK	20 METERS	4.2 METERS	8.5 METERS	14.2 METERS	20 METERS	6.3W
GREEN	20 METERS	4.2 METERS	8.5 METERS	14.2 METERS	20 METERS	6.3W
YELLOW	20 METERS	5.6 METERS	11.4 METERS	19 METERS	/	4.7W
ORANGE	20 METERS	5.6 METERS	11.4 METERS	19 METERS	/	4.7W
BLUE		4.2 METERS	8.5 METERS	14.2 METERS	20 METERS	6.3W



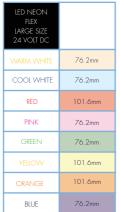


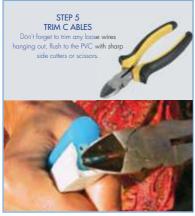
#### STEP 3 - PREPARE THE LED NEON

Prepare the LED Neon Flex by starting to unrall the LED from the rall, the LED Neon Flex is sold by the meter or in 50 meters rolls.











#### STEP 6 - WORK OUT YOUR LED NEON FLEX CABLE OPTIONS AND CONFIGURATIONS

Please note polarity is important with LED, please see the belo

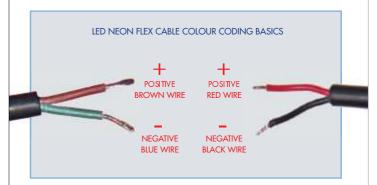
diagrams.
Use cables and plugs supplied by Firefly or if you are making up your

own runs of cable you will require two core low voltage cable to run own runs of cable you will require two core low voltage cable to run from the LED Driver to the LED Neon Flex .

Do not run more than 1.5 meters of low volt cable from the transformer to the LED Neon due to voltage drop out.

Use only thick low voltage cable as supplied by Firefly Lighting or the highest quality low voltage garden lighting cable to prevent voltage drop out.





# www.neo-neon.com

#### LED NEON FLEX CABLE OPTIONS

#### POWER PLUG CABLE with one IED Neon Fl

Cable with one LED Neon Flex connector plug.



#### JUMPER CABLE

Cable with one LED Neon Flex connector plug at each end so you can use these cables to 'daisy chain' LED Neon Flex or you can cut these leads up and use as power plugs.



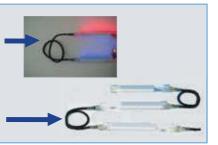
#### LED NEON FLEX AC/DC CONVERTERS

This cable you can connect directs to the LED Neon Flex and run the LEDoff 24 volt AC.



#### DAISY CHAINING LED NEON FLEX

You can 'daisy chain' the LED Neon if required by using Firefly LED Neon flex jumper cables available in 1 meter lengths. Note: Please check table on page 2 for the max continuous run of your colour of LED Neon, as you can only run that amount in the 'daisy chain' style.



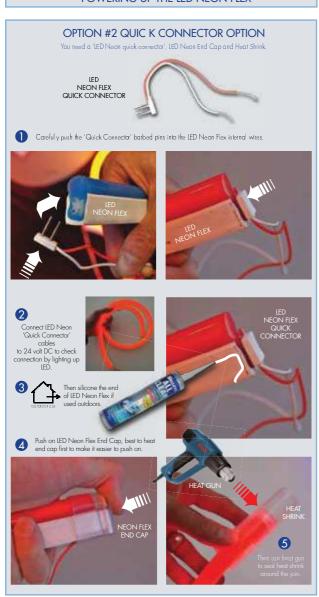


#### STEP 7 - POWERING UP THE LED NEON FLEX



## www.neo-neon.com

#### POWERING UP THE LED NEON FLEX



#### STEP 8-SEALING THE END OF THE LED NEON FLEX





#### **LED Neon Flex<sup>TM</sup>** Series

#### **Connection** and **Accessories**

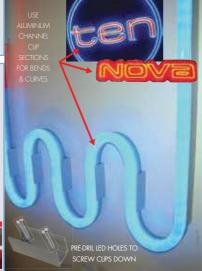
## www.neo-neon.com

#### STEP 9 - ATTAC HING THE LED NEON FLEX BY INSTALLING THE LED TRACK









#### STEP 10 - INSTALLING THE LED NEON FLEX TO TRACK

Once the aluminum track is in place start to install the LED Neon Flex.









DIRECTIONS, THIS WILL CAUSE LUMPS IN THE LED.





CAREFULLY
PUSH THE
LED NEON INTO
THE TRACK
STARTING FROM
ONE END.

#### **LED Neon Flex<sup>TM</sup>** Series

#### **Connection** and **Accessories**





### HIGH RISE BUILDING INSTALLATION NOTE

Note: If you are doing long vertical runs for example up a high rise building please see additional information on Firefly's website www.neo-neon.com and download the Installing long vertical runs of LED Neon Flex' PDF



#### **BRIDGES INSTALLATION NOTE**

Note: If you are installing the product upside down for example under a bridge please download the 'Installing LED Neon Flex upside down' PDF.



## LED Meon-Flex



#### STEP 11 - TEST INSTALLATION

Finally check all sections, may have to wait until dark if a sunny day.

### STEP 12 - SET UP TIMERS & ELECTRONIC SWITCHING IF REQUIRED

Set timers / electronic switches / CBUS / Dynalite etc to turn LED Neon Flex on and off.





Refer to Firefly's

ARCHITECTURAL LIGHTING

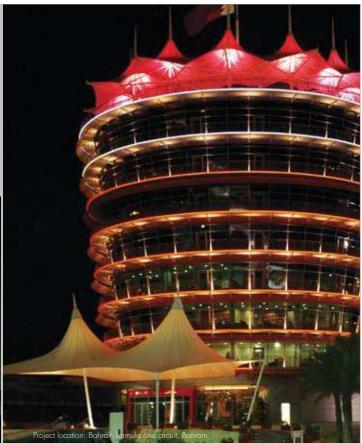
TIMER TIMES PDF for

suggested switching times to program timers at www.neo-neon.com

STEP 13 SWITCH ON & ENJOY!

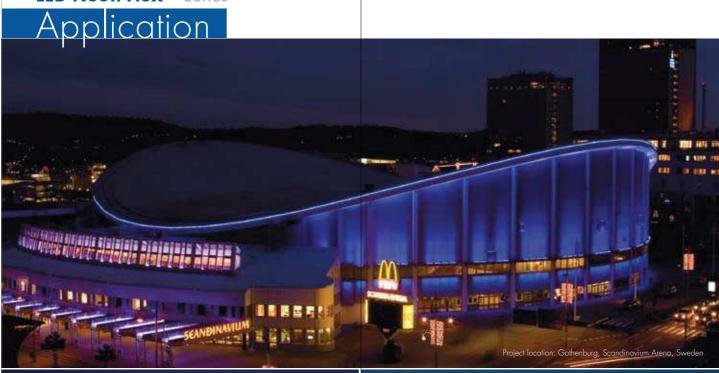
## Application







LED Neon Flex<sup>TM</sup> Series







## Application

Courtesy of Firefly Lighting, Neo-Neon's distributor of Neon Flex in QLD, NT, Australia.



