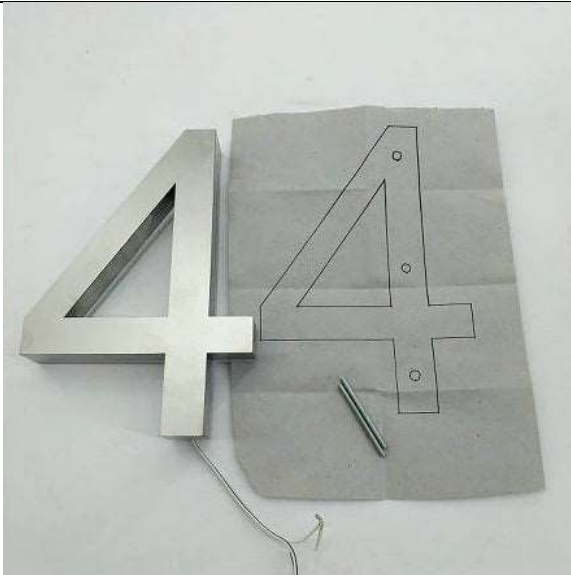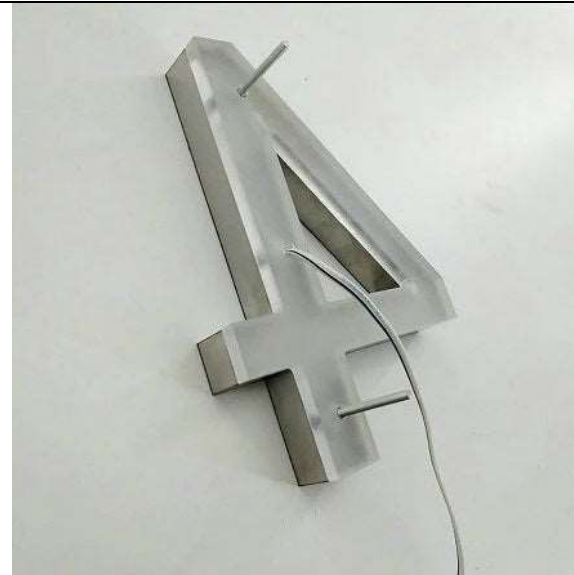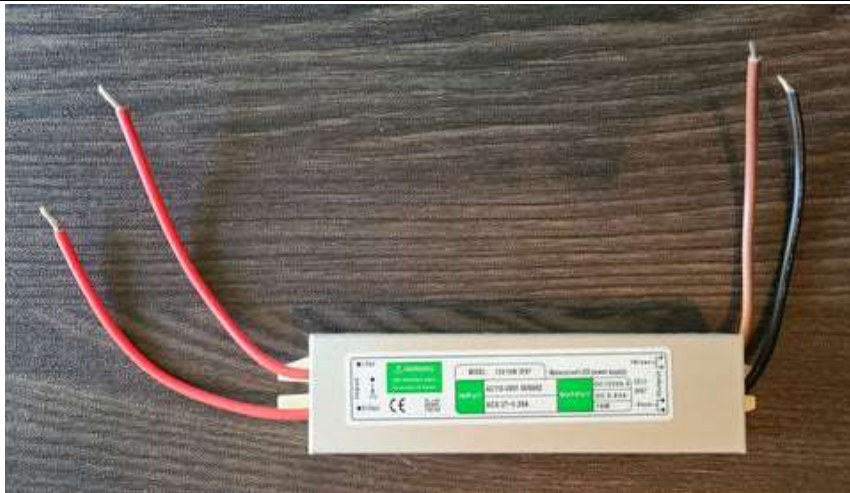# Illustrations:

Backlit number, screws, and installation template

Back of the backlit number showing screwed screws

10W LED Driver - 110V AC to 12V DC Converter Transformer

20W+ LED Driver - 110V AC to 12V DC Converter Transformer

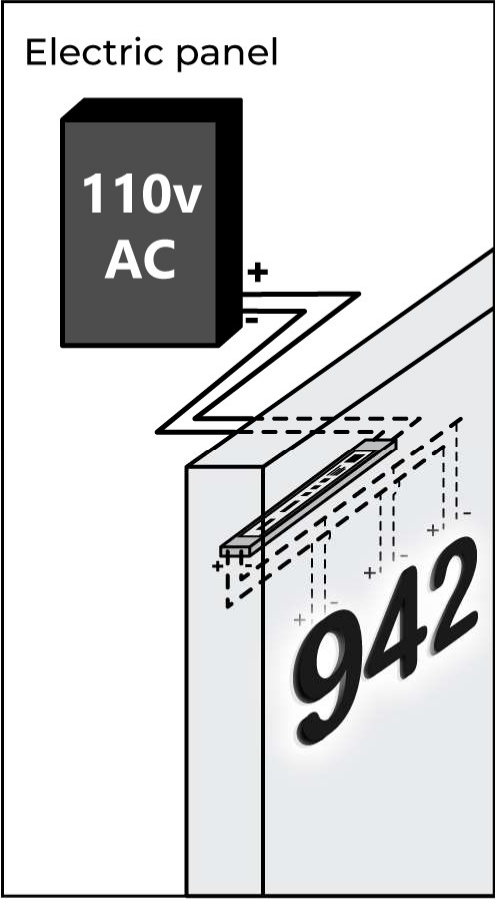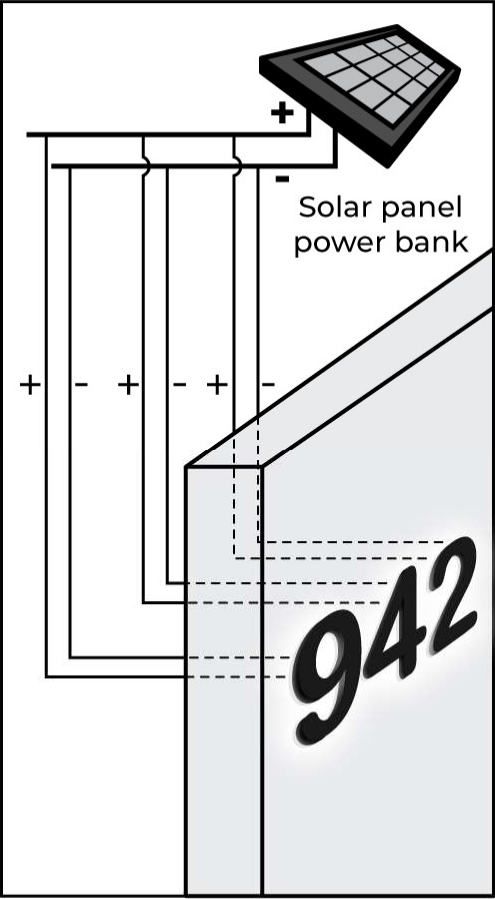# Additional accessories:

\n**Dusk to Dawn Sensor - Auto On/Off**	\n**Timer - Auto On/Off**
\n**Plug - To connect to Outlet**	\n**Dimmer**

Powering options:

Solar panel power bank

+

-

Electric panel

110v
AC

+

-

Outlet

+

-

942

942

942

What do you need for installation:

- Backlit address numbers - included
- LED Driver - 110V AC to 12V DC converter transformer - included
- Installation template - included
- Mounting screws - included
- 14AWG wire – not included
- (Optional) Plug - included if purchased
- (Optional) Timer Auto On/Off - if purchased
- (Optional) Dusk to Dawn Light Auto On/Off - if purchased
- (Optional) Dimmer - if purchased
- Painters tape - not included
- Drill - not included
- 5/32" drill bit - not included
- Level - not included
- Exterior grade epoxy - not included

Mounting instructions:

1 — Mounting screw holes / Wire hole
Tape installation template to the wall

2
Drill mounting screws and wire holes

3
Install wall anchors

4
Screw hangers bolt screws into number

5
Add silicone glue to the tips of the screws

6
Insert power wire through the wall and push numbers with screws into the installed anchors in the wall

Tools

Drill

Silicone glue

Hammer

Level

Painters tape
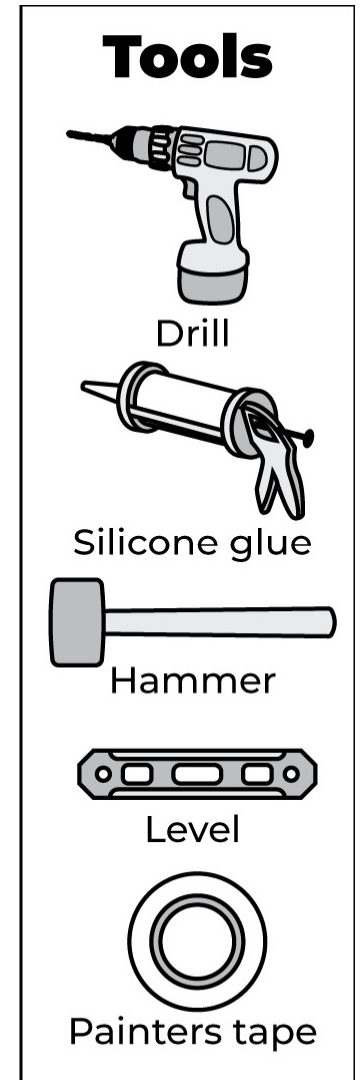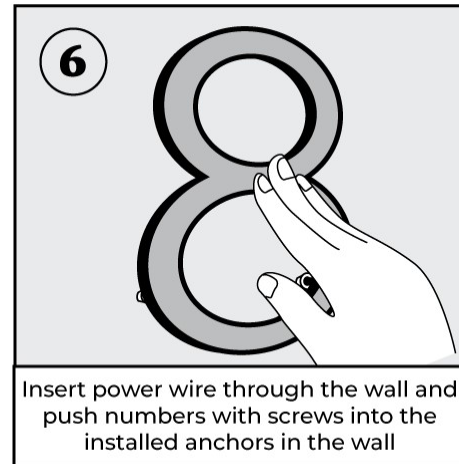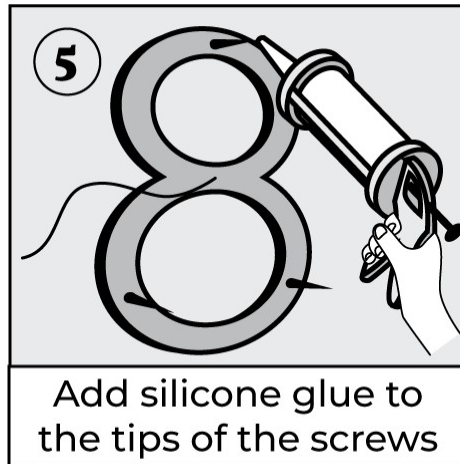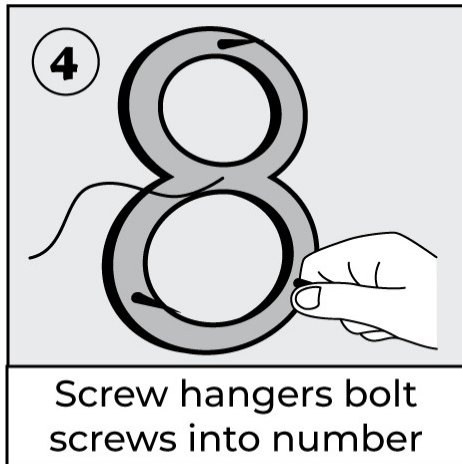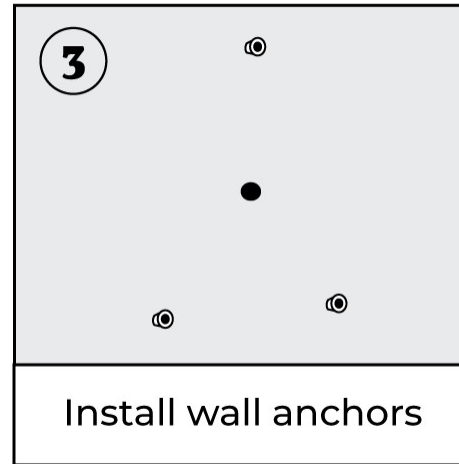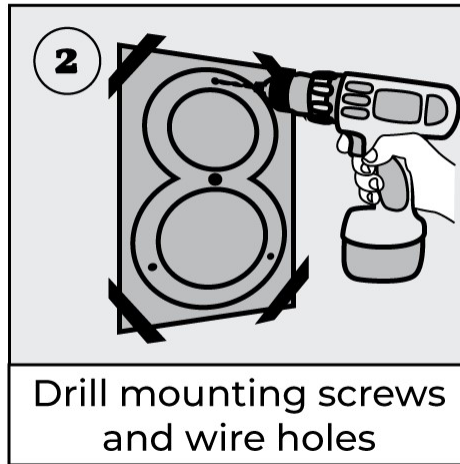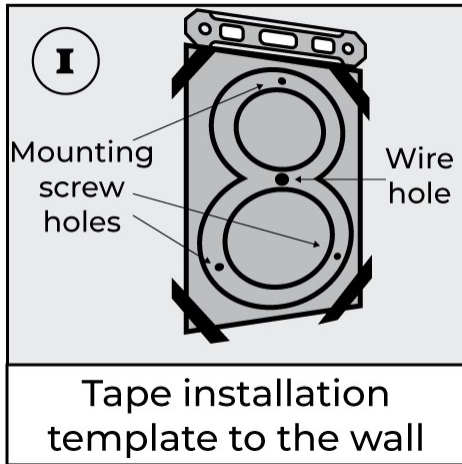
Installation instructions for the 10W LED driver option:

- Before you start the installation process, please read our caution at the bottom of this page.
- Tape the included installation template to the wall and drill holes for the screws and the wires at the designated marks on the template using a 5/32" drill bit.
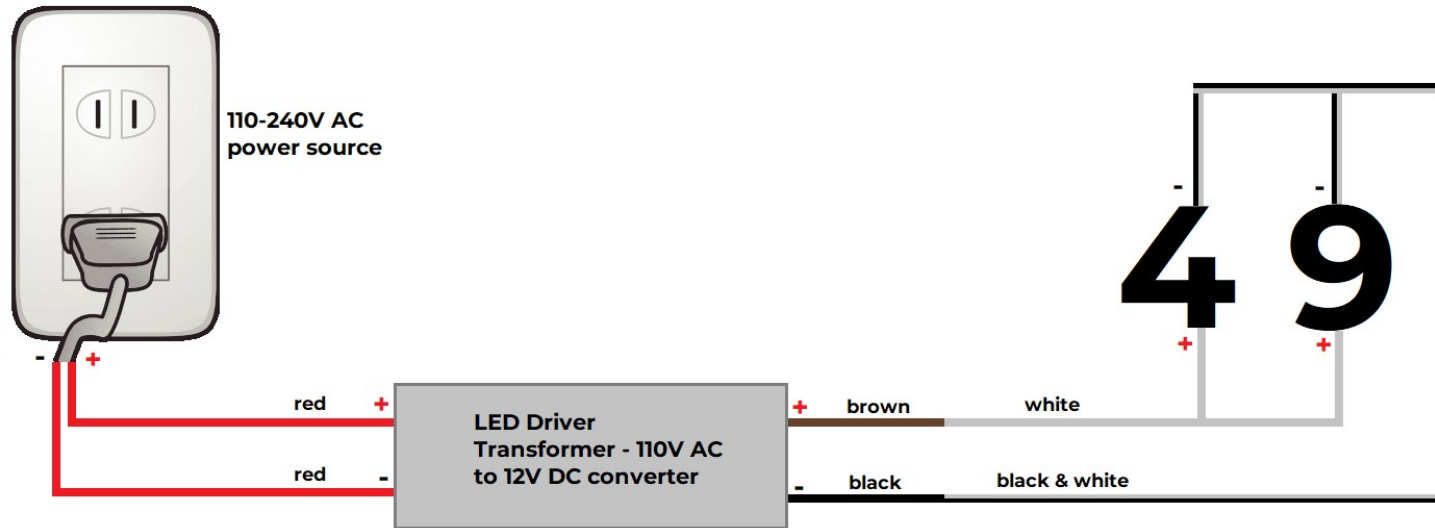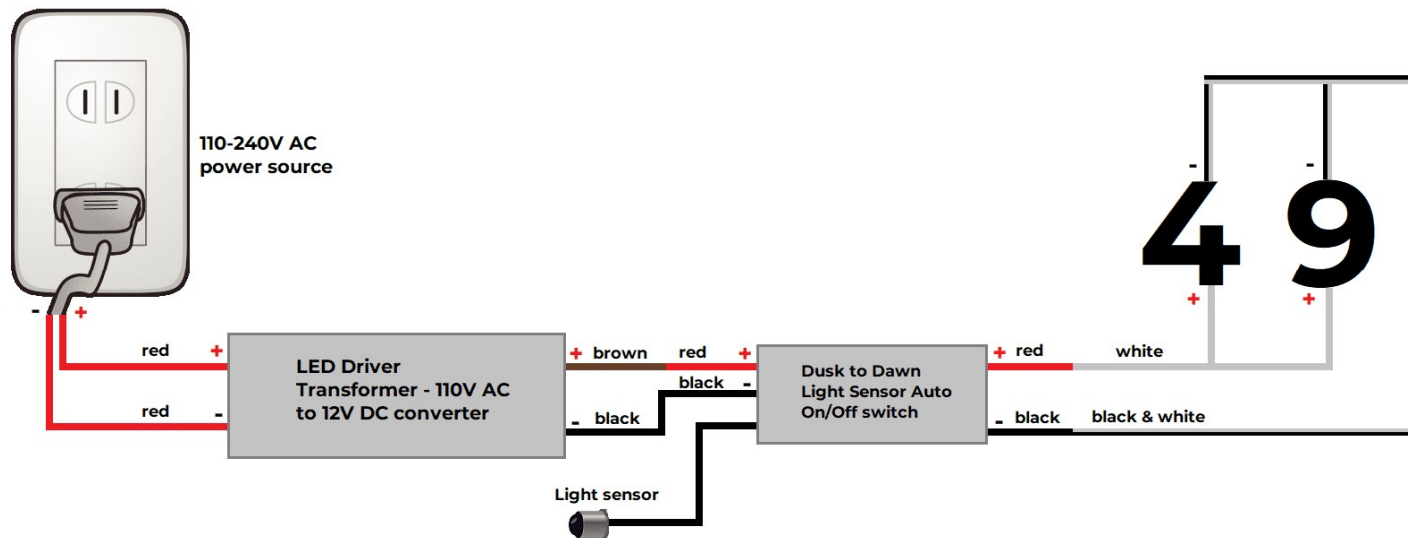- Screw the screws into the holes on the back of the backlit numbers.
- Add some epoxy to the other end of the screws at the back of the backlit numbers.
- Remove the installation template and mount the backlit numbers on the wall by aligning the screws to the holes you drilled in the wall and pushing the screws into the holes.
- (Skip this step and move to either the next step or the one after if you purchased either the dusk to dawn light sensor or the timer). Connect all the positive **(white)** wires of the numbers to the positive **(brown)** wire on the DC side of LED driver and connect all the negative **(black & white)** wires of the numbers to the negative **(black)** wire on the DC side of the LED driver. Skip the next two steps if you didn't purchase the timer or the light sensor.
- Optional (only if ordered light sensor):

  - ➢ Connect all the positive wires **(white)** of the numbers to the positive **(red)** wire on the OUT side (the side that has two wires) of the light sensor.
  - ➢ Connect all the negative wires **(black & white)** of the numbers to the negative **(black)** wire on the OUT side (the side that has two wires) of the light sensor.
  - ➢ Connect the positive **(red)** wire on the IN side (the side that has three wires) of the light sensor to the positive **(brown)** wire on the DC side of the LED driver.
  - ➢ Connect the negative **(black)** wire on the IN side (the side that has three wires) of the light sensor to the negative **(black)** wire on the DC side of the LED driver.

- Optional (only if ordered timer):

  - ➢ Connect all the positive wires **(white)** of the numbers to the right side of the switch terminal of the timer.
  - ➢ Connect all the negative wires **(black & white)** of the numbers to the negative side of the power terminal on the timer.
  - ➢ Connect all the negative wires **(black & white)** of the numbers to negative **(black)** wire on the DC side of the LED driver.
  - ➢ Connect the positive wire **(brown)** on the DC side of the LED driver to the left side of the switch terminal of the timer.
  - ➢ Connect the positive wire **(brown)** on the DC side of the LED driver to the positive side of the power terminal of the timer.

- Connect the positive **(red)** wire on the AC side of the LED driver to the positive wire of the AC power source and connect the negative **(red)** wire on the AC side of the LED driver to the negative wire of the AC power source.

Wiring diagram 1 (plug in and without timer or light sensor):

110-240V AC
power source

red +

red -

**LED Driver
Transformer - 110V AC
to 12V DC converter**

+ brown   white

- black   black & white

- -

4 9

+ +

Wiring diagram 2 (plug in and with light sensor):

110-240V AC
power source

red +

red -

**LED Driver
Transformer - 110V AC
to 12V DC converter**

+ brown   red +

- black   black -

**Dusk to Dawn
Light Sensor Auto
On/Off switch**

+ red   white

- black   black & white

Light sensor

- -

4 9

+ +

Wiring diagram 3 (plug in and with timer):

Installation instructions for the 20W or higher LED driver option:

- Before you start the installation process, please read our caution at the bottom of this page.
- Tape the included installation template to the wall and drill holes for the screws and the wires at the designated marks on the template using a 5/32" drill bit.
- Screw the screws into the holes on the back of the backlit numbers.
- Add some epoxy to the other end of the screws at the back of the backlit numbers.
- Remove the installation template and mount the backlit numbers on the wall by aligning the screws to the holes you drilled in the wall and pushing the screws into the holes.
- (Skip this step and move to either the next step or the one after if you purchased either the dusk to dawn light sensor or the timer). Connect all the positive **(white)** wires of the numbers to the positive **(brown)** wire on the DC side of LED driver and connect all the negative **(black & white)** wires of the numbers to the negative **(blue)** wire on the DC side of the LED driver. Skip the next two steps if you didn't purchase the timer or the light sensor.
- Optional (only if ordered light sensor):

  - ➤ Connect all the positive wires **(white)** of the numbers to the positive **(red)** wire on the OUT side (the side that has two wires) of the light sensor.
  - ➤ Connect all the negative wires **(black & white)** of the numbers to the negative **(black)** wire on the OUT side (the side that has two wires) of the light sensor.
  - ➤ Connect the positive **(red)** wire on the IN side (the side that has three wires) of the light sensor to the positive **(brown)** wire on the DC side of the LED driver.
  - ➤ Connect the negative **(black)** wire on the IN side (the side that has three wires) of the light sensor to the negative **(blue)** wire on the DC side of the LED driver.

- Optional (only if ordered timer):

  - ➤ Connect all the positive wires **(white)** of the numbers to the right side of the switch terminal of the timer.
  - ➤ Connect all the negative wires **(black & white)** of the numbers to the negative side of the power terminal on the timer.
  - ➤ Connect all the negative wires **(black & white)** of the numbers to negative **(blue)** wire on the DC side of the LED driver.
  - ➤ Connect the positive wire **(brown)** on the DC side of the LED driver to the left side of the switch terminal of the timer.
  - ➤ Connect the positive wire **(brown)** on the DC side of the LED driver to the positive side of the power terminal of the timer.

- Connect the positive **(brown)** wire on the AC side of the LED driver to the positive wire of the AC power source, connect the negative **(blue)** wire on the AC side o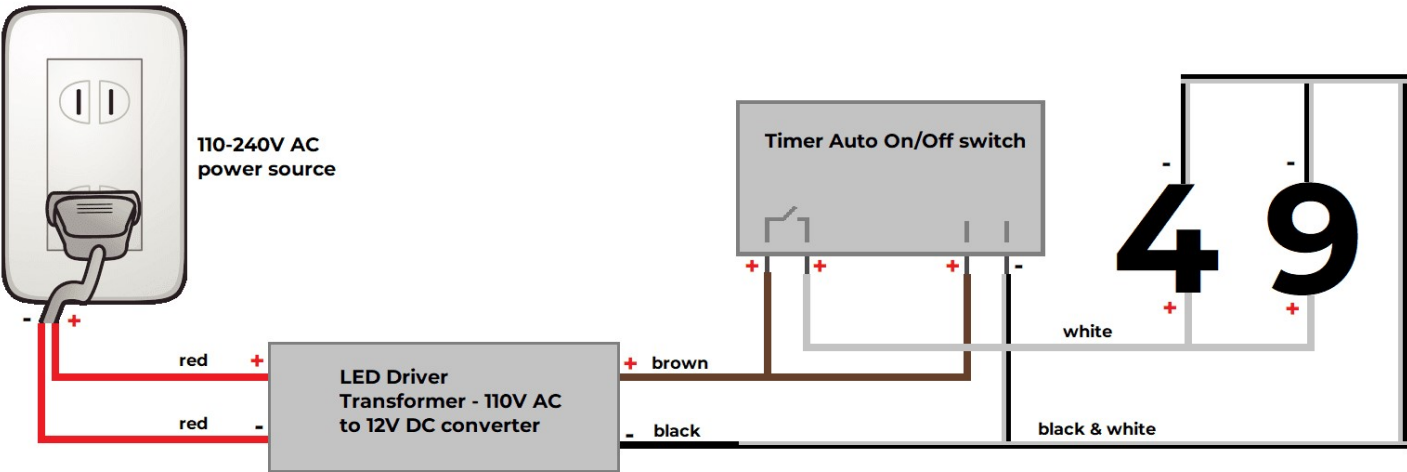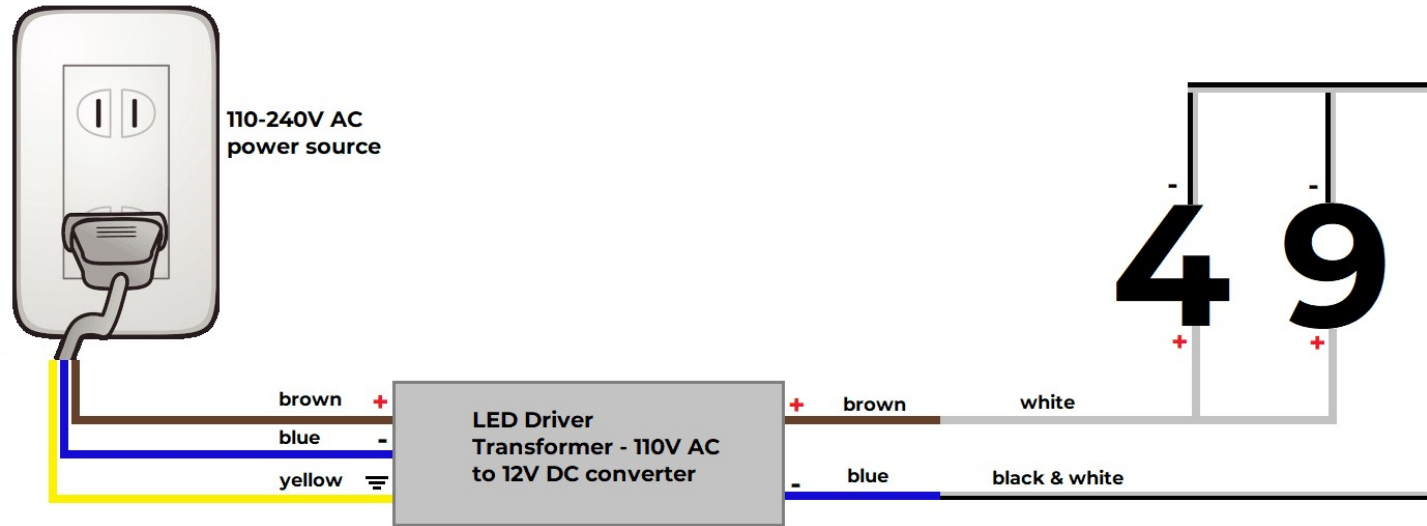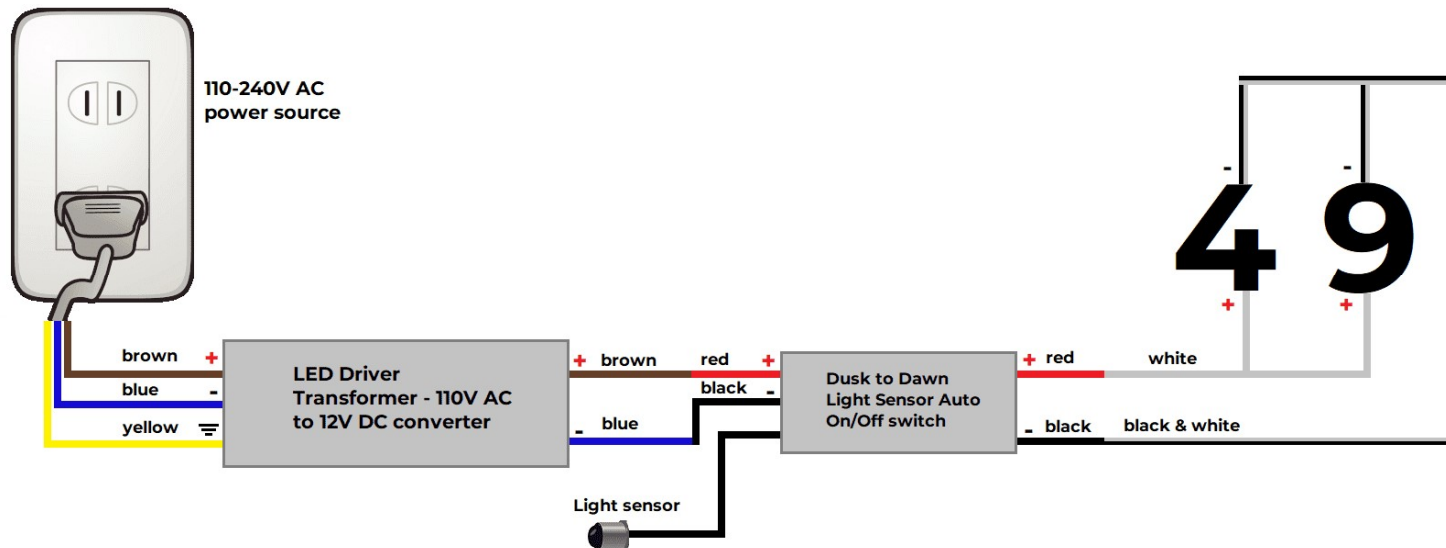f the LED driver to the negative wire of the AC power source, and connect the ground **(yellow)** wire on the AC side of the LED driver to the ground wire of the AC power source.
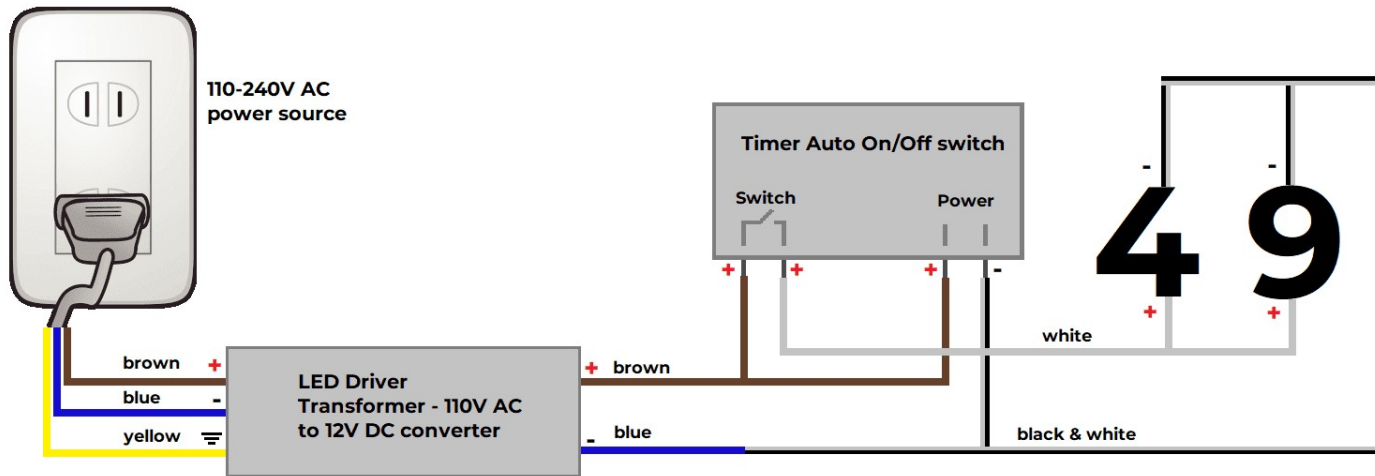
Wiring diagram 1 (plug in and without timer or light sensor):

110-240V AC
power source

brown +

blue −

yellow ⏚

LED Driver
Transformer - 110V AC
to 12V DC converter

+ brown

− blue

white

black & white

Wiring diagram 2 (plug in and with light sensor):

110-240V AC
power source

brown +

blue −

yellow ⏚

LED Driver
Transformer - 110V AC
to 12V DC converter

+ brown   red +

− blue   black −

Dusk to Dawn
Light Sensor Auto
On/Off switch

+ red

− black

white

black & white

Light sensor

Wiring diagram 3 (plug in and with timer):

CAUTION:

Installation instructions and wiring diagrams are for reference only. Wiring and installation should be done be a certified electrician after verifying the right connection diagrams, ratings, safety regulations, and electrical code.

The backlit address numbers are 12V DC which means they cannot be connected directly to any AC power source. You will need to connect them to the LED Driver (110V AC to 12V DC) first (make sure to connect them to the correct side of the LED Driver) and then connect the LED driver to the 110V AC power source.

Safety Note: Connecting the backlit address numbers directly to an AC power source (e.g. 110V-240V AC panel, 110V-240V AC outlet, etc.) without the 110V to 12V AC to DC converter (LED Driver) is very dangerous, not safe, and should not be done under any circumstances.