213.250.6069
info@opticarts.com
www.opticarts.com

Please read entire guide prior to starting installation.

c ETL us LISTED
Intertek

FLEX NITELIGHT™ INSTALLATION GUIDE

NOTES

1. All installations must be executed in accordance with local codes.

2. The installing contractor assumes all liability for the safety and code compliance of the installation.

3. Optic Arts is not liable for any damages caused by improper wiring, circuit overloading, power surges, poor system design or layout, negligence or other conditions.
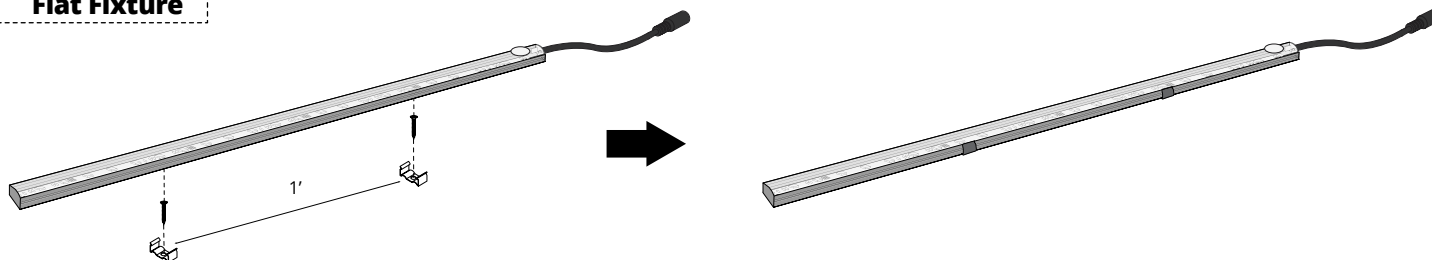
CAUTION: TO PREVENT THE RISK OF FIRE, DO NOT INSTALL CLOSER THAN 3 INCHES TO CABINET WALL OR IN A COMPARTMENT SMALLER THAN 12 INCHES BY 12 INCHES.

ATTENTION: POUR ÉVITER TOUT RISQUE D'INCENDIE, NE PAS INSTALLER À PLUS DE 3 POUCES DU MUR DU CABINET OU DANS UN COMPARTIMENT INFÉRIEUR À 12 POUCES.
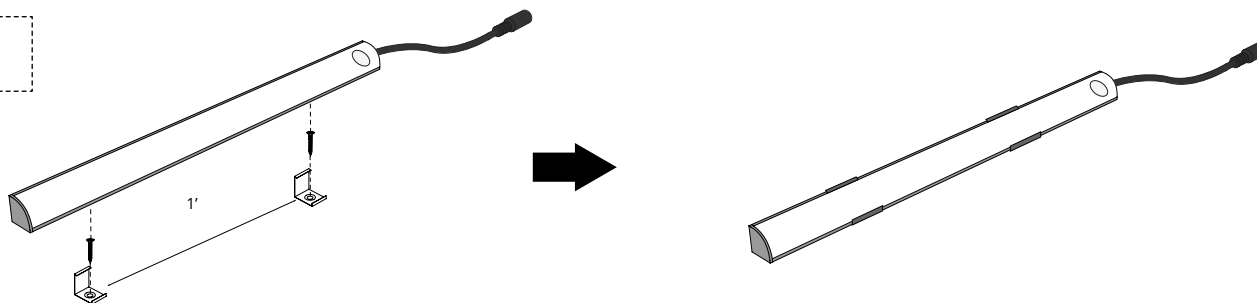
BUILT-IN MOTION SENSOR INSTALLATION

1.

Flat Fixture

1'

1.1 Install one clip per foot and snap fixture into clips.

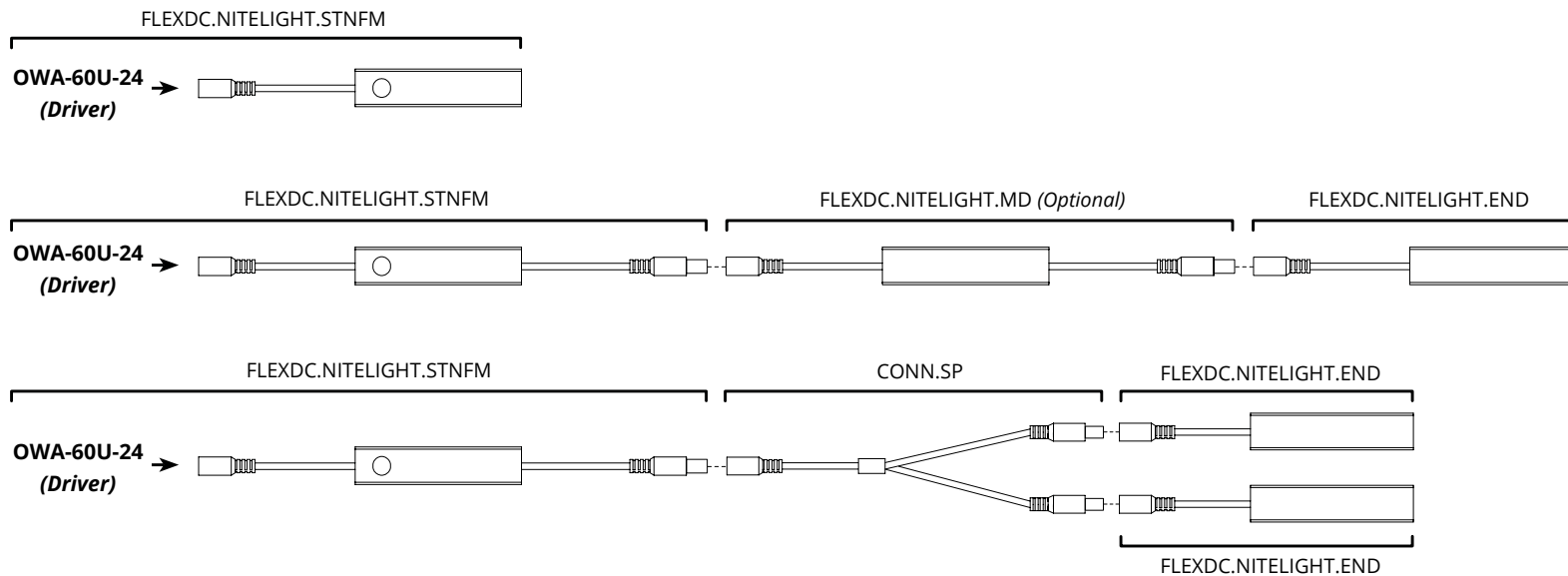*Join channels end to end if aligning multiple channels for longer runs*

Corner Fixture

1'

213.250.6069
info@opticarts.com
www.opticarts.com

FLEX NITELIGHT™ INSTALLATION GUIDE

BUILT-IN MOTION SENSOR INSTALLATION

2.

WIRING DIAGRAM (BUILT-IN MOTION SENSOR)

FLEXDC.NITELIGHT.STNFM

OWA-60U-24
(Driver)

FLEXDC.NITELIGHT.STNFM   FLEXDC.NITELIGHT.MD *(Optional)*   FLEXDC.NITELIGHT.END

OWA-60U-24
(Driver)

FLEXDC.NITELIGHT.STNFM   CONN.SP   FLEXDC.NITELIGHT.END
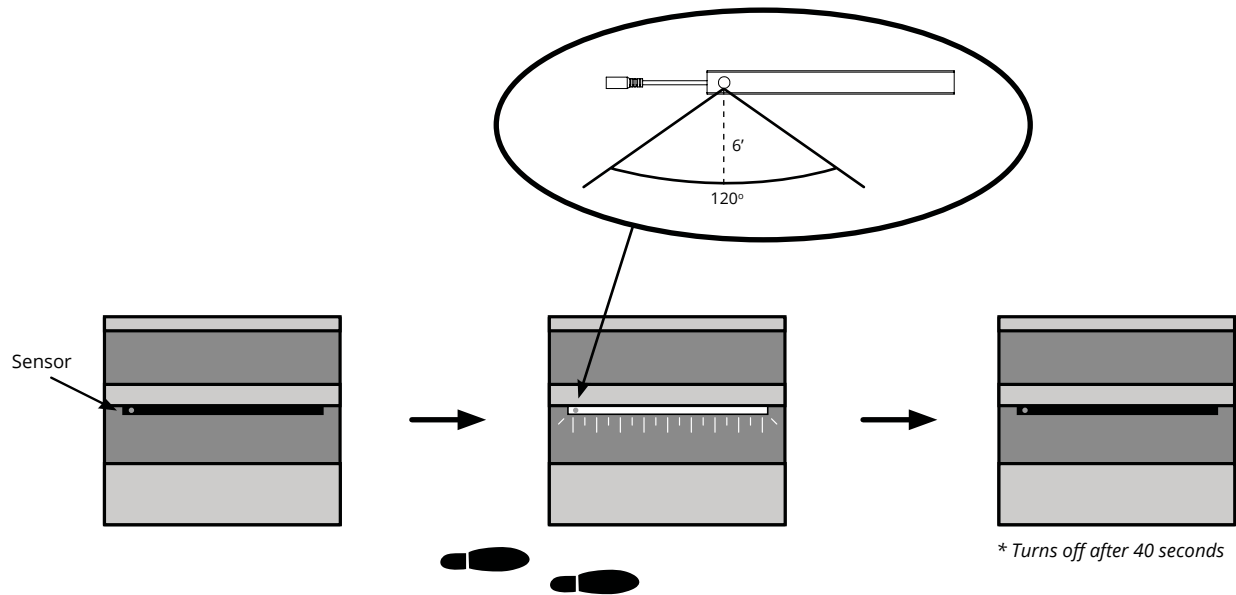
OWA-60U-24
(Driver)

FLEXDC.NITELIGHT.END
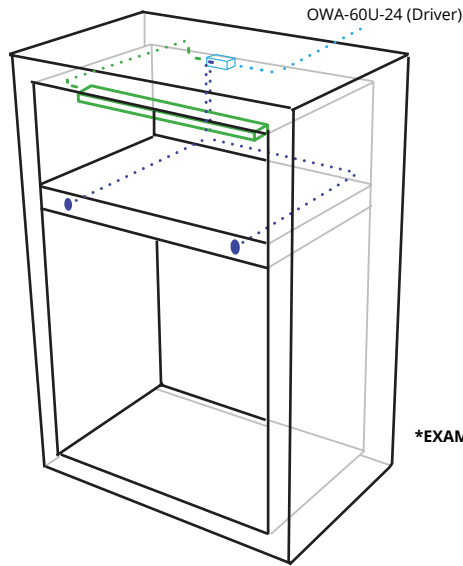
FLEX NITELIGHT™ INSTALLATION GUIDE

BUILT-IN MOTION SENSOR INSTALLATION

3.

3.1 To test system's functionality, wave hand in front of sensor to ensure that the fixture(s) will turn on.

6'

120°

Sensor

* Turns off after 40 seconds

FLEX NITELIGHT™ INSTALLATION GUIDE
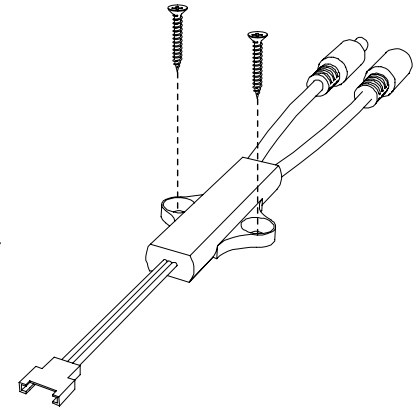
OWA-60U-24 (Driver)

*EXAMPLE OF FINISHED WIRED CLOSET

EXTERNAL MOTION SENSOR INSTALLATION

1.

1.1 Locate a mounting surface for the External Sensor Unit and driver.

1.2 Install onto surface.

2.

0.05"
(1.27mm)

Ø0.38"
(9.75mm)

Ø 0.59"
(15.10mm)

Ø 0.55"
(13.90mm)

0.49"
(12.50mm)

2.1 Specify location of sensor and drill a wiring hole between 0.49" and 0.64" in diameter.

2.2 Drill a secondary 0.64" diameter hole at least 0.69" deep to accommodate sensor body.

2.3 Feed wire lead through hole and press sensor in.

2.4 Repeat for each sensor.

213.250.6069
info@opticarts.com
www.opticarts.com

FLEX NITELIGHT™ INSTALLATION GUIDE

EXTERNAL MOTION SENSOR INSTALLATION
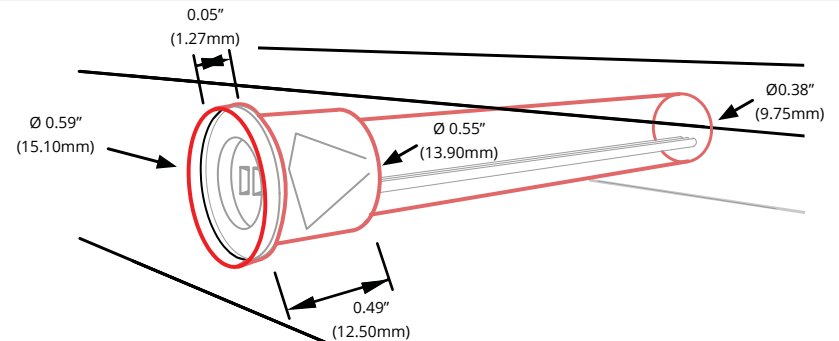
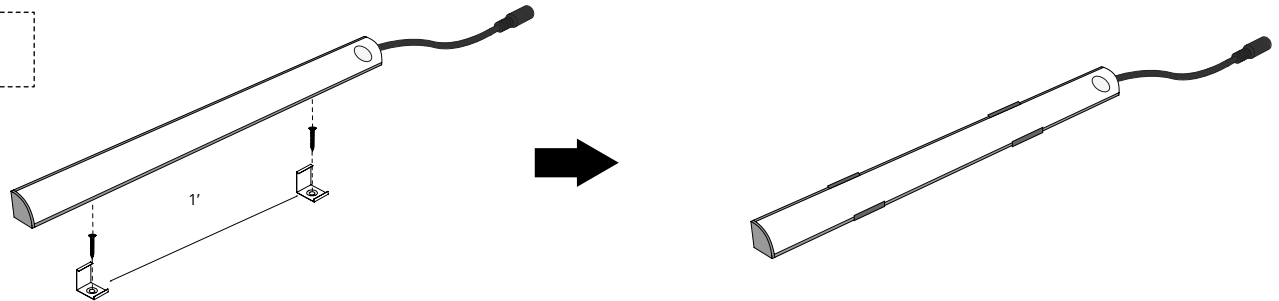## BUILT-IN MOTION SENSOR INSTALLATION

3.

Flat Fixture
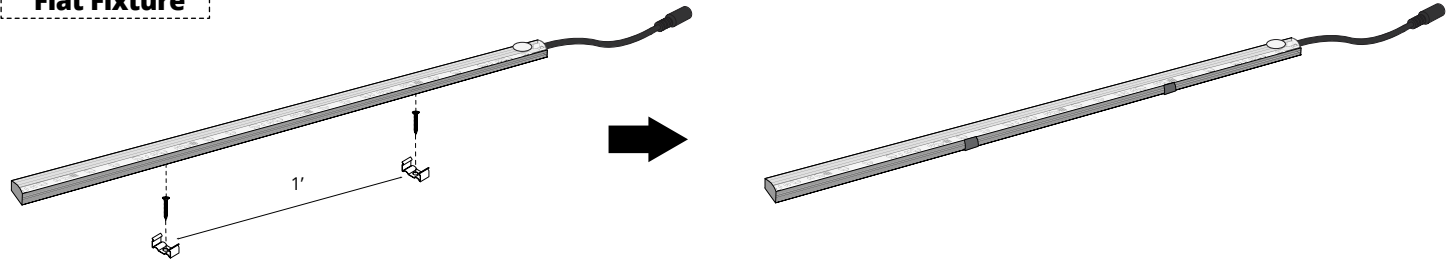
1'

1.1 Install one clip per foot and snap fixture into clips.

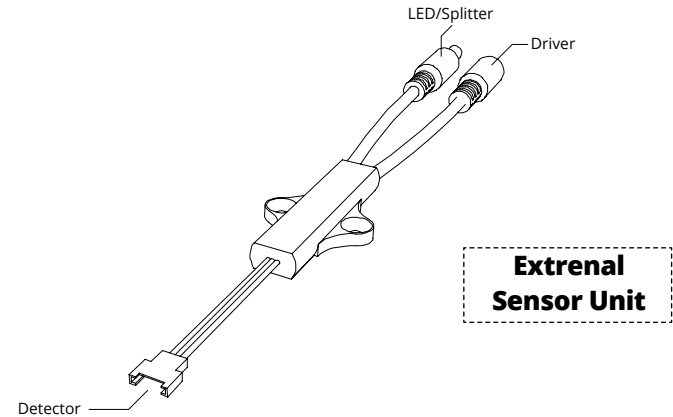**Join channels end to end if aligning multiple channels for longer runs*

Corner Fixture

1'

213.250.6069
info@opticarts.com
www.opticarts.com

FLEX NITELIGHT™ INSTALLATION GUIDE

EXTERNAL MOTION SENSOR INSTALLATION

4.

LED/Splitter
Driver

Extrenal Sensor Unit

Detector

4.1 Attach all wire leads to sensor per diagram.

4.2 Ensure all sensors are covered by the cabinet door or similar prior to power on the system. This is necessary for proper sensor calibration.

WIRING DIAGRAM (EXTERNAL MOTION SENSOR)

FLEXDC.NITELIGHT.STNFDX

D3
D2
D1

External
Sensor Unit

OWA-60U-24 *(Driver)*

Sensor

FLEXDC.NITELIGHT.STNFDX   FLEXDC.NITELIGHT.MD *(Optional)*   FLEXDC.NITELIGHT.END

D3
D2
D1

OWA-60U-24 *(Driver)*

FLEXDC.NITELIGHT.STDX

CONN.SP

D3
D2
D1

OWA-60U-24 *(Driver)*

FLEXDC.NITELIGHT.END

213.250.6069
info@opticarts.com
www.opticarts.com
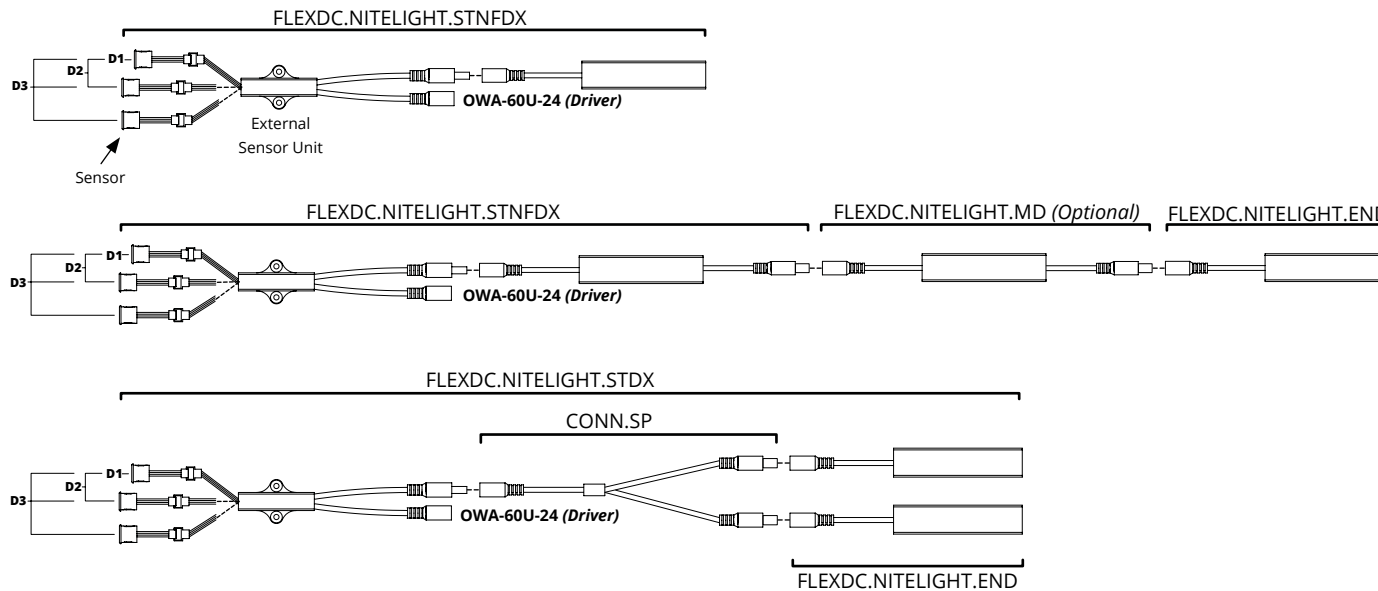
FLEX NITELIGHT™ INSTALLATION GUIDE

EXTERNAL MOTION SENSOR INSTALLATION

5.
Door Mode: To test system functionality, open door to check if the fixture(s) will turn on. If closet has more than one door, open each door individually to check if each sensor is working correctly. When doors are open, the fixture will automically turn on. If all doors are closed, the fixture will automatically turn off.

Sensor