



Order No.	500002573
Model No.	500002573 (Ignite Evolve 50 inch)
Notes:	

## Section 10309 - Manufactured Electric Fireplaces

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Manufactured electric fireplaces
- B. Accessories

#### 1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Wood framed rough opening and enclosure

#### 1.3 REFERENCES

- A. UL - 2021
- B. CSA - C22.2 No. 46

#### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations
  - 2. Storage and handling requirements and recommendations
  - 3. Installation methods
- C. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- D. Manufacturer's warranty.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.

#### 1.6 WARRANTY

- A. 5-year limited warranty for indoor use and 1-year limited warranty for outdoor use.

### PART 2 PRODUCTS

#### 2.1 ACCEPTABLE MANUFACTURERS

- A. Pre-fabricated Electric Fireplace:
  - 1. Base: Dimplex Electric Fireplace  
Glen Dimplex Americas  
1367 Industrial Road  
Cambridge ON N3H 4W3  
1-888-346-7539  
www.dimplex.com
  - 2. Substitutions not permitted
  - 3. Requests for substitutions will be considered in accordance with provisions of Section 01600



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### 2.2 ELECTRIC FIREPLACES

#### A. General:

1. Provide all components and accessories required for a complete, functional unit
2. cULus listed, file E71416

#### B. Pre-fabricated Electric Fireplace:

##### 1. Base Product:

- a) Dimplex Ignite Evolve Linear Electric Fireplace
- b) Material Number: 50002573
- c) Regulatory model number: 6914080100

##### 2. Description: Realistic 50" linear electric fireplace

##### 3. Dimensions (with included trim):

- a) Width: 51-1/2" / 130.6 cm
- b) Height: 16-1/2" / 41.9 cm
- c) Depth: 5-3/4" / 14.6 cm

##### 4. Framing Dimensions:

- a) Width: 50-5/8" / 128.6 cm
- b) Height: 16" / 40.6 cm
- c) Depth: 3-1/2" / 9.0 cm (5-1/2" / 14.0 cm)

##### 5. Electrical:

- a) Volts: 120 V, 240 V
- b) Watts: 1500 W, 2500 W
- c) BTUs: 5118 / 8530
- d) Amps: 12.5 / 10.4

##### 6. Venting: Non-venting

##### 7. Operation: Flame only, heat only, flame and heat

##### 8. Heating: Louver-less, fan-forced circulation

##### 9. Liner: Steel

##### 10. Standard features:

- a) A new multi-layered color effect that creates a sense of depth. Color settings can be controlled independently or combined in one of seven presets
- b) Ambient Light Sensor automatically adjusts firebox light to suit the room or can be customized with a range of preset colors
- c) The multi-media bed includes acrylic crystals, tumbled glass, and driftwood logs
- d) LED flame technology
- e) Hard wire capabilities - 120V, 240V



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- f) Built-in touch controls
  - g) Built-in Timer - Set for up to 8 hours
  - h) Seamless installation and edge to edge glass
  - i) Equipped with integrated smart technology that provides maintenance and operation feedback
11. Control options:
- a) Flame Connect mobile app
  - b) Multi-function remote control
  - c) Built-in hidden controls (Standby, heat on/off, thermostat, brightness, flame theme)
12. Optional Accessories:
- a) Trim Kit - X-XLFTRIM50
  - b) Other optional accessories available

### PART 3 EXECUTION

#### 3.1 INSPECTION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Verify proper power supply and fuel source are available.

#### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

#### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and requirements of authorities having jurisdiction.
- B. Use manufacturer's guidelines for minimum clearances to combustibles, walls, and finishes.
- C. Anchor all components firmly in position for long life under hard use.
- D. Upon completion of installation, visually inspect all exposed surfaces. Touch up scratches and abrasions with touch up paint recommended by the manufacturer; make imperfections invisible to the unaided eye from a distance of 5 feet (1.5 m).
- E. To use the mobile app, install where a WiFi connection is available.

#### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

**END OF SECTION**

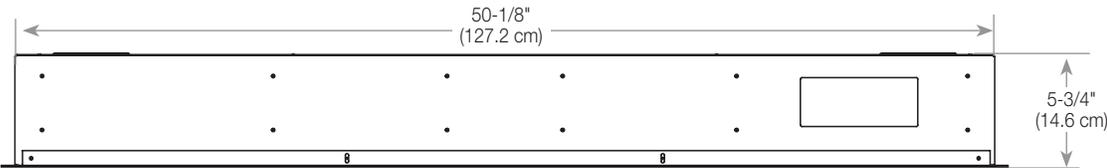


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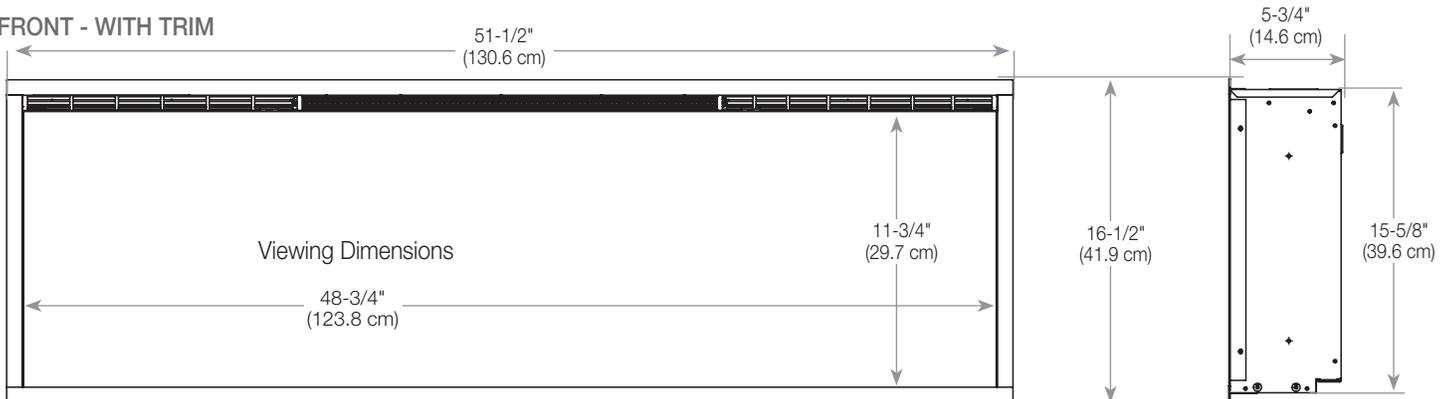
## Product Dimensions:

FRONT - NO TRIM



**Installs without trim to stone, brick and other solid finish materials; includes trim for drywall and tile surfaces.**

FRONT - WITH TRIM



## Framing / Installation:

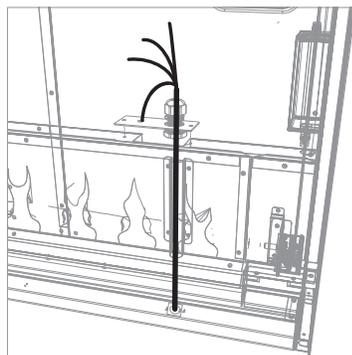
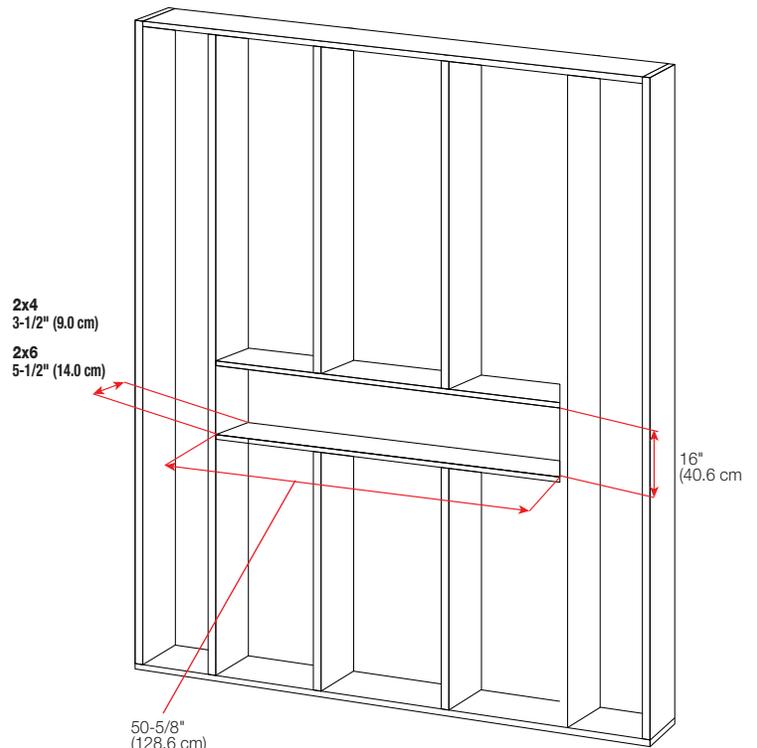
**NOTE:** Two people are required for installation.

Prepare a wall with a framed opening, following the dimensions shown in Figure 3. The fireplace can either be installed partially-recessed (2"x4" frame) or flush-mounted (2"x6" frame).

**CAUTION:** Decorative finishing material (such as brick) should be limited to 1/2" (13 mm) overhang to ensure adequate flow of heated air out of the firebox area.

**CAUTION:** This fireplace is NOT load-bearing. Ensure the opening for the fireplace is framed in such a way that the weight of the building materials will not create pressure on the top of the fireplace.

**NOTE:** For 2"x4" construction where the unit will be partially recessed, it is recommended to use XLFRIM kit (sold separately) to accommodate the protruding portion of the fireplace.



**NOTE:** Wiring entry is located on the right side at the bottom of the firebox. Plan the framing to allow routing of the power cable to this location.

## Framing / Installation:

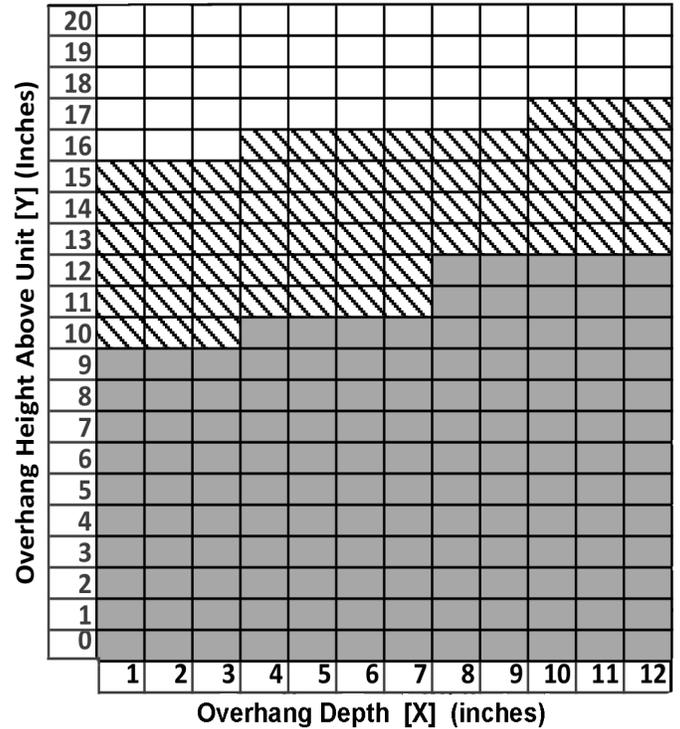
### Installation Recommendations for Overhanging Objects

For overhanging temperature-sensitive objects, such as a television, a mantel, or artwork, always follow the recommendations provided by its manufacturer for installation over a heater.

Figure 1 provides the overhang clearance recommendations for the fireplace. Areas above the fireplace are marked as follows:

- Solid gray box (■) is subject to temperatures greater than 65°C (149° F).
- Hatched box (▨) is subject to temperatures greater than 40°C (104° F).
- Clear box (□) is subject to temperatures less than 40°C (104° F).

Figure 1



### Outdoor Installation

This electric fireplace is suitable for installation in outdoor areas, sheltered by an overhang to protect against direct water ingress. Installation on ground-fault protected circuit is recommended. All electrical connections and routings shall be in accordance with local building code requirements.

To maintain warranty coverage, the overhang must follow this rule:

- Maximum Height  $\leq 3 \times$  Projection Length, where:
- Maximum Height is measured vertically from the bottom of the fireplace to the bottom edge of the overhang
- Projection Length is measured from the exposed face of the fireplace to the parallel edge of the overhang
- For example, if the overhang is 9 feet above the bottom of the fireplace, it must extend a least 3 feet outwards on all sides

Figure 2

