



Order No.	500005122
Model No.	ESN100 (Vital Essence 100 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. Provide the manufacturer's 1-year limited warranty on electrical components.

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.



Order No.	500005122
Model No.	ESN100 (Vital Essence 100 inch)

Notes:

Section 10309 - Manufactured Electric Fireplaces

2.2 ELECTRIC FIREPLACES

A. General:

1. Provide all components and accessories required for a complete, functional unit.
2. cETLus listed, control number 4002964

B. Pre-fabricated Electric Fireplace:

1. Base Product:

- a) Dimplex Vital Essence Linear Electric Fireplace
- b) Material Number: 500005122
- c) Regulatory model number: ESN100

2. Description: Realistic 100" linear electric fireplace

3. Dimensions (with accessory trim):

- a) Width: 101-3/8" / 257.6 cm
- b) Height: 16-1/2" / 41.9 cm
- c) Depth: 5-3/4" / 14.8 cm

4. Framing Dimensions:

- a) Width: 100-5/8" / 255.7 cm
- b) Height: 16" / 40.6 cm
- c) Depth: 3-1/2" / 9.0 cm (partially recessed); 5-1/2" / 14.0 cm (fully recessed)

5. Weight:

- a) Product Weight: 103 lbs / 47 kg
- b) Packaged Weight: 130 lbs / 59 kg

6. Electrical:

- a) Volts: 120 V
- b) Watts: 1500 W
- c) BTUs: 5118
- d) Amps: 12.5

7. Venting: Non-venting

8. Operation: Flame only, flame and heat

9. Heating: Louver-less, fan-forced circulation

10. Liner: Steel

11. Standard features:

- a) A new multi-layered color effect creates a sense of depth with 13 different flame color settings and seven different media theme colors.
- b) Flame speed cycles available as minimum (F1), medium (F2), and maximum (F3), and flame brightness available as low, medium or high.



Order No.	500005122
Model No.	ESN100 (Vital Essence 100 inch)
Notes:	

Section 10309 - Manufactured Electric Fireplaces

- c) The multi-media bed includes tumbled glass
 - d) LED flame technology
 - e) Hard wire capabilities - 120V
 - f) Built-in touch controls
 - g) Built-in Timer - Set for up to 8 hours
 - h) Seamless installation and edge to edge glass
12. Control options:
- a) Glen Dimplex Connect app connectivity
 - b) Multi-function remote control
 - c) Built-in hidden controls (Standby, heat mode, temperature, flame color, media color, connectivity)
13. Optional Accessories:
- a) Trim Kit, for 2x4 construction Material No. X-XLFTRIM74
 - b) Realistic log set Material No. 500005655

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



Order No.

500005122

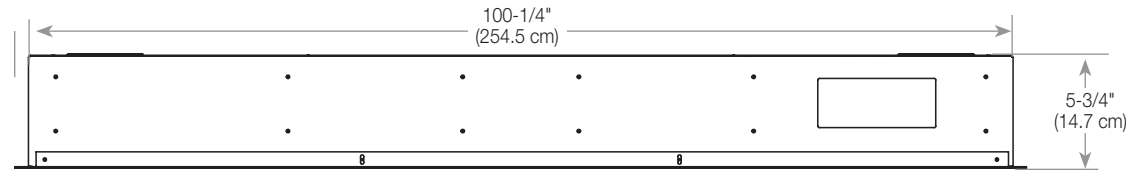
Model No.

ESN100 (Vital Essence 100 inch)

Notes:

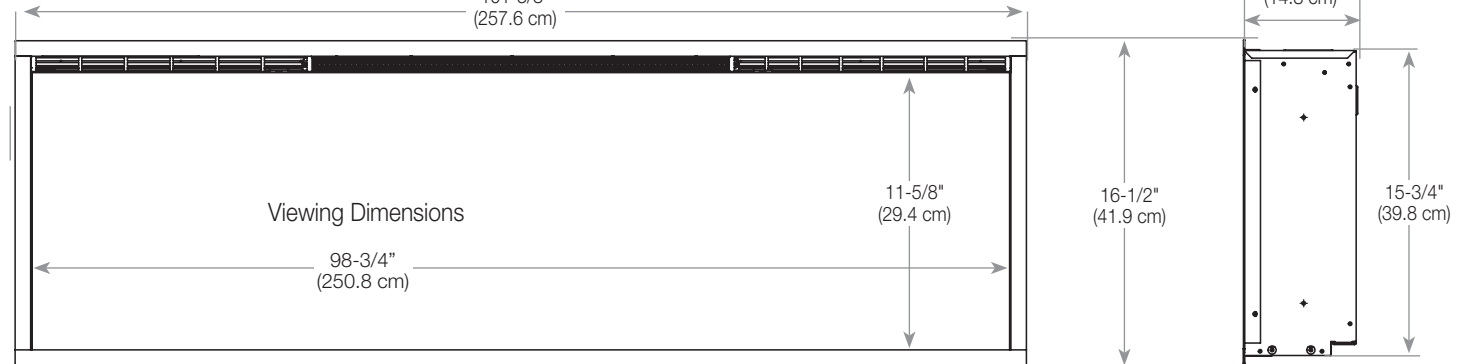
Product Dimensions:

TOP - 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:

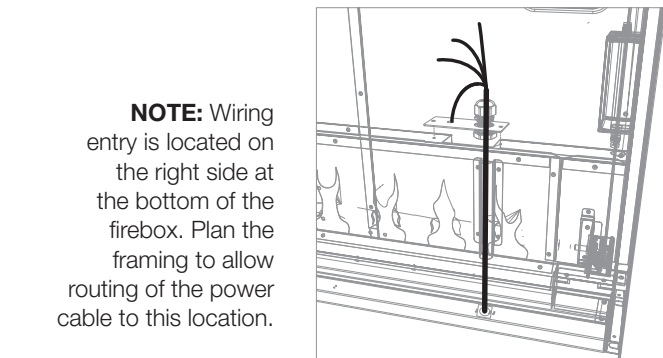
NOTE: Two people are required for installation.

Prepare a wall with a framed opening, following the dimensions shown at right. The fireplace can either be installed partially recessed (2"x4" frame) or fully recessed (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 X-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.

