



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



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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: 1,500 W
- c) BTUs: 5,118
- 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.



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- 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



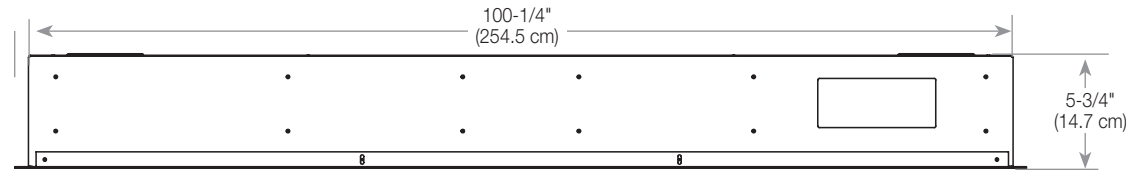
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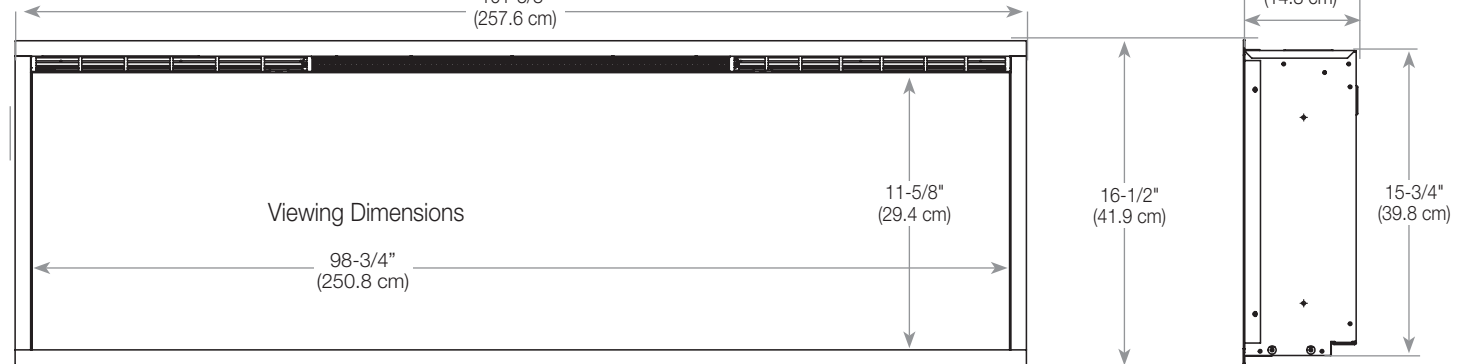
Product Dimensions:

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:

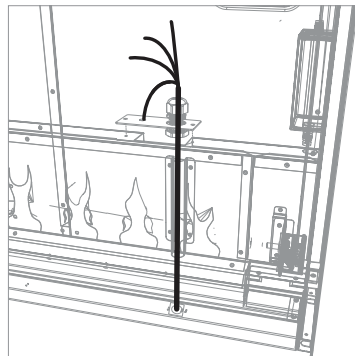
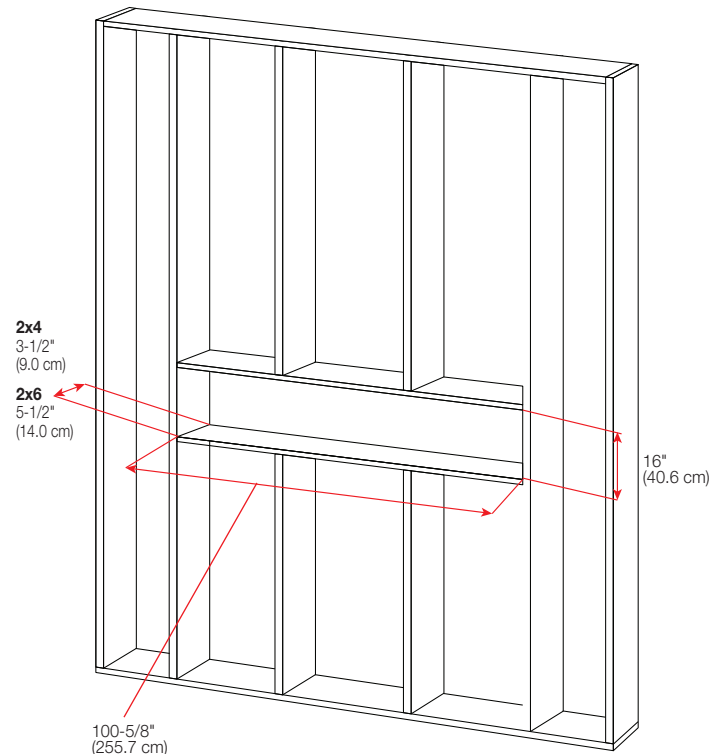
NOTE: Two people are required for installation.

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-XLFTRIM 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.