



Order No.	500004172
Model No.	CDFI500-PRO-RGB

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 2-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.	500004172
Model No.	CDFI500-PRO-RGB

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. UL or CSA listed.

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

##### 1. Base Product:

- a) Dimplex Electric Fireplace, includes:
- b) Material Number: 500004172
- c) Regulatory model number: 6914240200

##### 2. Description: Optimyst Pro Cassette with RGB, 20" Water vapor flame effect

##### 3. Dimensions:

###### w/ Media Plate

- a) Width: 20-1/8" / 50.8 cm
- b) Height: 9-1/2" / 24.1 cm
- c) Depth: 12" / 30.5 cm

###### w/ Logset

- d) Width: 20-1/8" / 50.8 cm
- e) Height: 15-1/4" / 38.7 cm
- f) Depth: 14" / 35.5 cm

##### 4. Framing Dimensions:

###### w/ Media Plate

- a) Width: 20-3/8" / 51.8 cm
- b) Height: 9-1/2" / 24.1 cm
- c) Depth: 12-1/4" / 31.1 cm

###### w/ Logset

- d) Width: 20-3/8" / 51.8 cm
- e) Height: 9-1/2" / 24.1 cm
- f) Depth: 14-1/4" / 36.2 cm

*\*note: multiple units can be installed in a linear configuration*

##### 5. Electrical:

- a) Volts: 120 V
- b) Watts: 230 W
- c) Amps: 1.9

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

**CAUTION:** When determining a location for the Optimyst Pro Cassette, ensure that the unit will not be susceptible to drafts, vents, ceiling fans and other air currents. Similar to a candle, large movements of air will affect the unit's ability to create and maintain the flame effect.



Order No.	500004172
Model No.	CDFI500-PRO-RGB

Notes:

## Section 10309 - Manufactured Electric Fireplaces

7. Operation: Flame only, (no heat)
8. Heating: N/A
9. Standard features:
  - a) Patented 3D flame effect produced by RGB LED lights and fine mist
  - b) Optional plumbing connection for continuous water supply
  - c) Overflow sensor to automatically shutting off water supply to prevent leaks
  - d) Adjustable flame volume control
  - e) Safe, cool-touch surfaces, ideal for residential and commercial applications
  - f) Multiple units can be connected together in series
10. Control options:
  - a) Direct wired to 120V circuit
  - b) Optional plug kit available
  - c) Multi-functional remote
  - d) Bluetooth receiver with manual controls
  - e) Built-in controls
11. Optional Accessories:
  - a) Plumb kit for continuous water supply - CDFIPLUMB-KIT
  - b) Plug kit – CDFI-PLUGKIT
  - c) Air Intake Grille - X-00275
  - d) 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.



Order No.	500004172
Model No.	CDFI500-PRO-RGB

Notes:

## Section 10309 - Manufactured Electric Fireplaces

### 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**

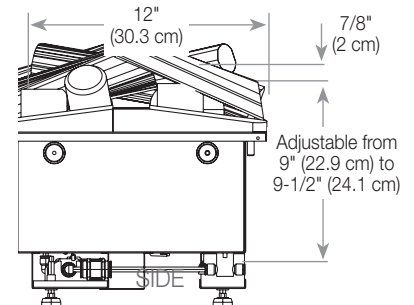
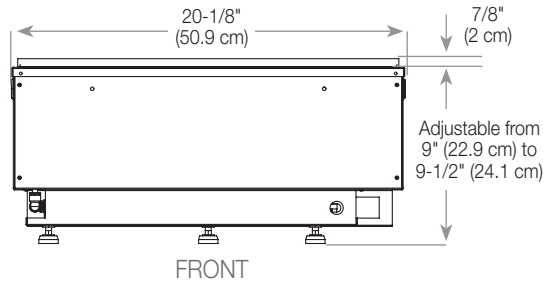
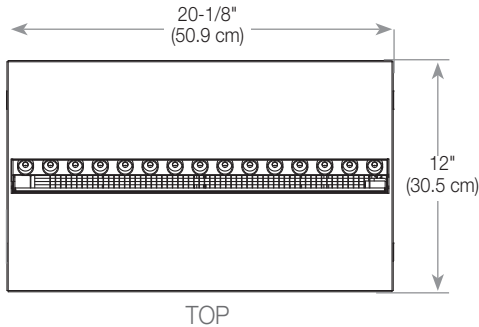


Order No. 500004172  
Model No. CDFI500-PRO

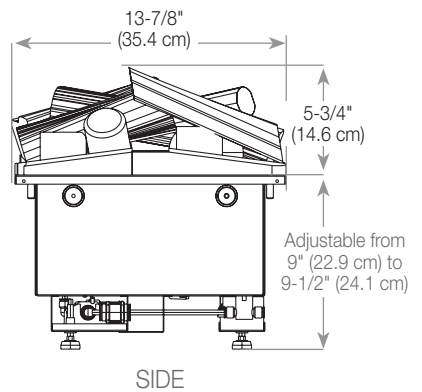
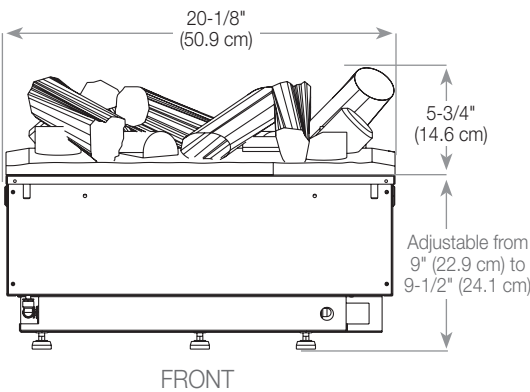
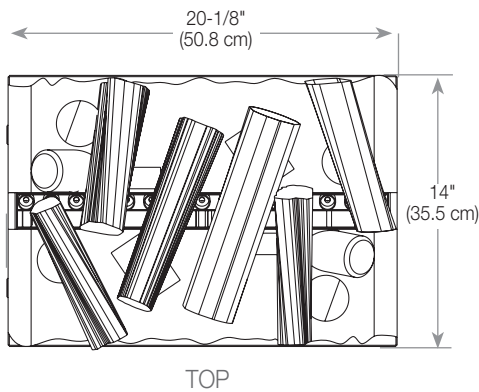
Notes:

## Product Dimensions:

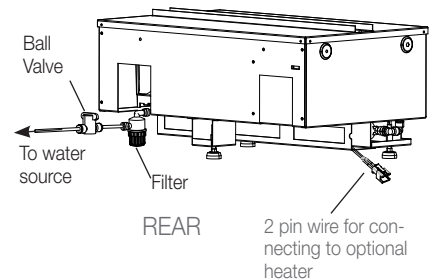
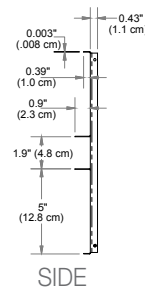
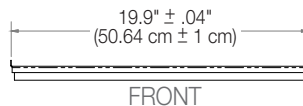
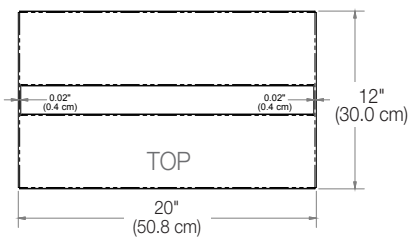
### MEDIA PLATE



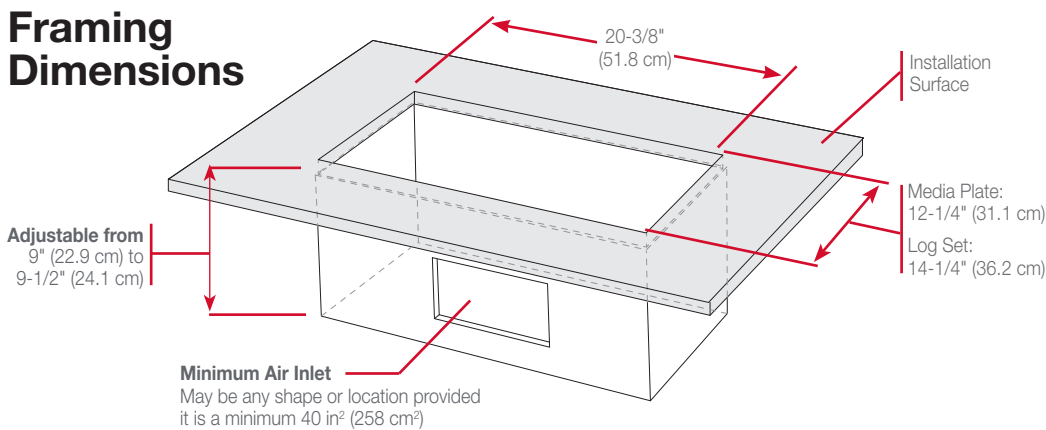
### LOG SET



### MEDIA TRAY



## Framing Dimensions



**Caution:** When determining a location for the Optimyst® cassette, ensure that the unit will not be susceptible to drafts, vents, ceiling fans and other air currents. Similar to a candle, large movements of air will affect the unit's ability to create and maintain the flame effect.

### Bluetooth Receiver

Must be connected for operation. Can be recessed inside the wall or installed for remote control accessibility.



Remote Control