

Installation Guidelines:

Scion and Triton Electric Fireplaces in Protected Outdoor Applications

Underwriters Laboratories LLC (UL) has approved SimpliFire Scion and SimpliFire Triton fireplaces for use outdoors when protected from direct water impingement, in accordance with the installation guidelines listed below. This applies to any and all outdoor rooms; including patios, decks (elevated or ground level), three-season rooms, freestanding structures, etc. This applies only to the following Scion models: SF-SCN43, SF-SCN55, SF-SCN43-BK, SF-SCN55-BK, SF-SCN78-BK; and Triton models: SF-TR50, SF-TR65, SF-TR78.

Scion  
Electric  
Fireplace  
Models:  
**SF-SCN43**  
**SF-SCN55**  
**SF-SCN43-BK**  
**SF-SCN55-BK**  
**SF-SCN78-BK**

Triton  
Electric  
Fireplace  
Models:  
**SF-TR50**  
**SF-TR65**  
**SF-TR78**

Scion/Triton  
Electric  
Fireplace

Roof Eave Overhang

B (48" Min.)

A (12" Min.)

Outdoor Flooring

C

**Formula Matrix**

A	B	C
12 in. Min.	1/2 x Opening Height 48 in. Min.	Opening Height

**Example Matrix**

Required set-back from the covered opening\*\* examples for installing a Scion Series fireplace in a covered area.

C	8 ft. opening or less	If 9 ft. opening	If 10 ft. opening
B	4 ft.	4-1/2 ft	5 ft.

\*\*Distance required from face and closest (edge(s) of the finished opening to uncovered outdoor area.

- Installation Location: For best results, install out of direct sunlight. The fireplace works best when ambient light levels are low. If the fireplace is installed in brightly lit areas or in direct sunlight, the strong reflections may diminish the flame.
- Overhang requirements must be applied to both the front and sides of the fireplace finished opening.
- Follow all product installation instructions; required clearances must be maintained with respect to the house wrap, wall finishing material, and mantels.
- Hearth & Home Technologies recommends that the chase be constructed outside the structure's weather envelope.
- Small amounts of water may still penetrate, and accumulate in the base of the fireplace opening, if not taken into consideration this can cause deterioration of construction materials, and may cause premature failure of the chase structure. When constructing the chase, the builder must provide a means of draining water from under the appliance and out of the chase structure.
- The fireplace should be installed in a location to avoid contact with salt water spray or pool chemicals.
- Changes in surface finish due to outdoor environment may occur.
- When installed in areas prone to blowing and drifting snow, it is recommended that the covered area have screen sides.
- Follow all building codes, including those addressing fireplace penetration of an exterior building envelope.
- Appliance must be wired to a GFCI protected circuit. All wiring connections to line power shall be in accordance of NECA NFPA 70.

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#### Other installation configuration examples:

- Fireplace 1: installed in a chase inside the overhang
- Fireplace 2: installed in a chase outside the overhang
- Fireplace 3: installed in a chase inside the overhang in a corner

#### Fireplace 1 and 2:

In a Structure with fireplace built into a chase on one of the open sides, openings behind the fireplace are not a concern, only to the side(s) and front. Determine shortest overhang distance “B” of an open structure side to the finished fireplace opening to determine compliance to the outdoor protected requirements.

#### Fireplace 3:

In a corner installation, depending on “C”, a solid wall/ glass would need to extend “X” distance beyond where the fireplace wall meets the overhang. To calculate “X”, first take the distance from the fireplace opening to the overhang following the fireplace wall “D” and multiply by 0.7. Take that number and subtract it from “B” to calculate “X”, the distance a wall/glass would need to extend from the fireplace wall.

$$X = B - (D \times 0.7)$$

\*See page one for calculating the required Overhang Distance “B”.

Example:

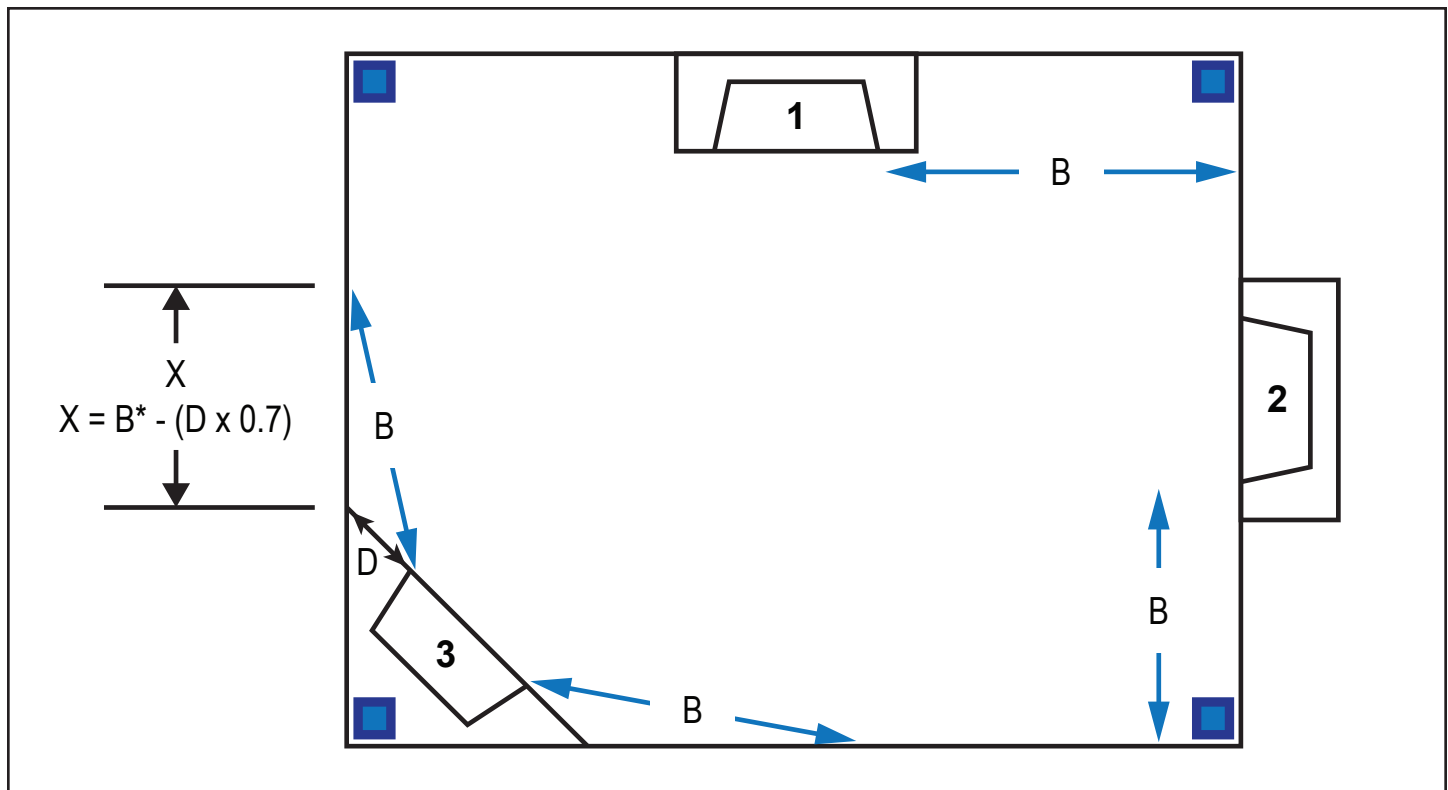
Opening height “C” = 8 ft.

Required Overhang “B” = 4 ft.

Fireplace opening to Overhang “D” = 1.5 ft.

Calculation:

$$X = 4 - (1.5 \times 0.7)$$



SimpliFire, a brand of Hearth & Home Technologies  
7571 215<sup>th</sup> Street West, Lakeville, MN 55044

Please contact your SimpliFire dealer with any questions or concerns.  
For the location of your nearest SimpliFire dealer, please visit [www.simplifire.com](http://www.simplifire.com).