LUME SURROUND 1

Installation, operation & maintenance

GFRC surround with LUME-MS1 smoke-less wood-burning insert



INSERT MODEL: LUME-MS1

SURROUND MODEL: _____

The LUME Surround 1 combines a GFRC enclosure with a LUME-MS1 stainless steel wood-burning insert. This manual covers positioning the surround and installing the insert without freestanding legs. Read all instructions before installation and use.

DO NOT DISCARD. These instructions contain important operating and maintenance information. Leave with the homeowner.

IF YOU CANNOT READ OR UNDERSTAND THESE INSTALLATION INSTRUCTIONS, DO NOT ATTEMPT TO INSTALL OR OPERATE THIS APPLIANCE.

WARNING: FOR OUTDOOR USE ONLY.

WARNING: Do not leave unattended during use.

WARNING: Fuels used in wood-burning appliances, and the products of combustion of such fuels, can expose you to chemicals including carbon black, which is known to the state of California to cause birth defects or other reproductive harm. For more information go to www.p65Warnings.ca.gov.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury, property damage, or loss of life. Read the instructions provided with this appliance.

Components & dimensions



LUME SURROUND 1
GFRC enclosure

LUME-MS1
Stainless steel insert

INSTALL WITHOUT LEGS

SURROUND 1 ENCLOSURE	DIMENSION
Overall width	42 inches
Overall height	18 inches
Base width	20 inches
Interior opening	23 1/2 inches
Catalog enclosure weight	250 lbs.
LUME-MS1 INSERT	**DIMENSION**
Rim outer diameter	26 inches
Rim inner diameter	20 inches
Outer liner diameter	23 5/16 inches

Included with the Surround 1 package: stainless steel lid LID-LUME-MS-A.
Optional weather cover: COV-SUR1.

Handling: The GFRC enclosure is heavy. Use suitable lifting equipment and sufficient assistance. Do not lift the enclosure by the insert or stainless steel rim.

Install the LUME-MS1 insert

1. Position the surround

Place the GFRC enclosure on a level, flat, stable, non-combustible surface. Use outdoors only. Do not install in a building, garage, or enclosed area, or near or under overhanging trees and shrubs.

2. Prepare the insert

Do not install the freestanding legs. If legs are already attached, remove them before fitting the insert. Wear gloves; stainless steel edges may be sharp.

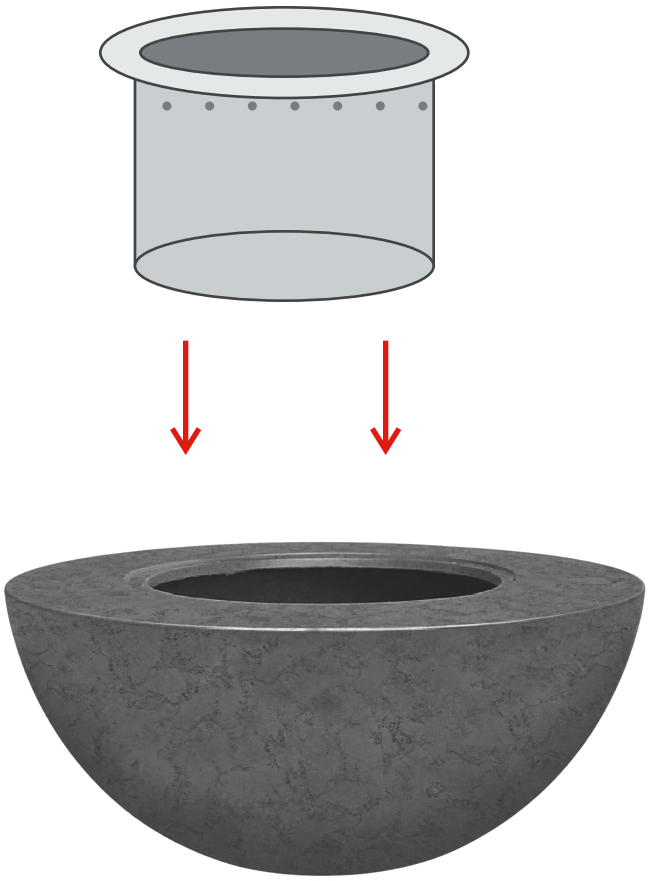
3. Lower into the opening

With the insert cold and empty, align the LUME-MS1 over the surround opening and lower it vertically into place. Keep fingers clear of the rim and opening. Do not force the insert.

4. Check before use

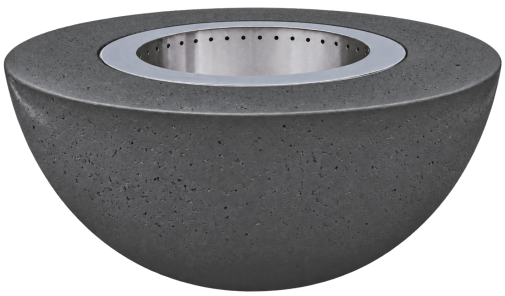
Confirm that the insert sits level and securely, with its rim seated evenly. Keep the surround ventilation opening and the insert air holes unobstructed. Do not use if the insert rocks, binds, or does not seat correctly.

LUME-MS1 - NO LEGS



LOWER INTO SURROUND 1

Illustration only; not to scale.



Do not light the fire until installation is complete. Never leave combustible material on the surround or insert.

Fuel, maintenance & safety

SUGGESTED FUEL

Selecting the right wood will depend on preference for comfort, aroma, and visual image. If you want constant heat output and a short flame with glowing coals, hardwood such as hickory, oak, or beech are recommended. If short hot fire for damp weather, select a softer wood such as redwood, fir, or white pine.

WOOD CHARACTERISTICS

OAK
Very dense, Hot burning, Should season at least once a year.

MAPLE
Difficult to split, efficient, hot burning, Should season at least once a year.

CHERRY
Burns at medium heat, sweet burning aroma, sparks a lot - doesn't produce lots of smoke.

BIRCH
Burns very quickly, bright - hot burning, good firestarter.

PINE
High sap content, burns messy, don’t use as exclusive firewood.

ELM
Very dense - hardwood, difficult to split, does not smell great as it burns.

CHESTNUT
Burns and splits easily, burns at a low heat, sparks a lot, heavy smoke.

*For best results, do not overfill the bonfire (LUME) with logs that cover or extend above the top air holes.

CARE & MAINTENANCE

Clean out ashes every 2-3 Burns or when ash covers lower holes to maintain airflow for a smokeless fire. When you are finished enjoying your fire, do not extinguish the fire with water. Let the fire extinguish on its own.

During winter months in cold climates and various seasons of operation the fire feature may be affected by weather conditions. It is recommended to use a cover/lid overtop of your fire pit opening to protect it from humid/rainy weather conditions when not in use. Heavy rains/downpours can affect the operation of the LUME if not covered.

Stainless steel materials used in the construction of your LUME are highly rust-resistant, however, chlorine in the air from swimming pools or the salt from sea air may cause rust to appear and even create some pitting if left on the product.

Cleaning the Stainless Steel In extreme environments, apply a rust inhibitor which leaves a microscopic protective layer on the unit.

REQUIREMENTS:

1. These fire features are designed for outdoor use only. Not approved for any indoor use. The LUME should NEVER be used in a building, garage, or any other enclosed area. Avoid using near or under overhanging trees and shrubs. 2. Never leave any other combustible material on the fire feature. This could cause unsafe operation and damage to the component that will not be covered under our warranty. 3. To Maintain appropriate airflow, clean out ashes every 2-3 burns or when ash covers lower holes.

SAFETY WARNINGS

1. Never leave the Fire Pit unattended during operation. 2. Clothing or other flammable materials should not be placed on or near the appliance. 3. Due to the Stainless Steel construction of the LUME, there is potential for sharp edges. It is recommended to use gloves for installation. 4. The LUME is designed for outdoor use only. Not approved for any indoor use or enclosed areas. 5. Improper installation, adjustment, alteration, service, or maintenance may result in property damage, injury, or death.

Safe operation, warranty & support

SEQUENCE OF OPERATION

Choosing Fuel - Dry, seasoned, split hardwoods cut to less than 24” in length. 16-18” being the optimal length.

Recommended wood placement - For best performance firewood should be concentrated to the outer edges of the firepit and over a bed of coals.

Lighting - Kindling stacked around crumpled newspaper is an easy method for a 1 match fire. Once the kindling is burning slowly add increasingly larger diameter pieces of wood.

Feeding flames - When adding logs to the fire as it burns down there will be additional smoke.

Burn out - Allow fire to burn out on its own. Avoid snuffing with the lid or extinguishing with water.

DISCLAIMER: LUME is a Smoke-less wood burning fire pit. The term Smoke-less means reduced smoke as compared with a typical fire pit. The design allows it to be catalytic. By introducing heated air to the top of the fire where it mixes with the unburned fuel (smoke) and allows it to burn a second time. This process does take time to begin. It relies on the outer walls being very hot to create convection to move the air. From the ignition of your fire, it will take between 15-30 minutes. You may see fire projecting from the series of holes around the top.

SAFETY WARNINGS (CONTINUED)

6. LUME was designed for wood fuel – using other fuels is not recommended and may produce more smoke as the design will not function properly. 7. After a period of non-use, check the unit for signs of damage or buildup. 8. The use of a spark screen is required by most states to reduce the number of embers leaving the fire pit while in use.

WARNING: This appliance is HOT when operated and can cause severe burns if contacted. Use Protective gear such as oven gloves or pot holders when in contact.

LUME-MS1 INSERT LIMITED LIFETIME WARRANTY

Limited lifetime coverage for manufacturing and material defects for the original purchaser.

Three years from the date of purchase for material damage caused by rust-through or burn-through.

Surface rust, finishes, normal wear, misuse, and improper maintenance are excluded.

Replacement of a covered unit at no charge, excluding shipping, handling, and other associated fees.

GFRC ENCLOSURE - 3-YEAR WARRANTY

The warranty covers manufacturing defects or structural failure. Small stress cracks and surface crazing are a natural occurrence in GFRC products and are not covered within this warranty. Discoloration over time is a natural process and is not covered by this warranty.

TECHNICAL SERVICE & SUPPORT

260.355.5577

8:00 am to 5:00 pm PST

Firegear Outdoors

1600 Riverfork Drive
Huntington, IN 46750

firegearoutdoors.com

Check our website for the latest manual updates and warranty information.