

# Luminous Glass Tree

*Creative Paradise Inc.*



## Featured Molds:

LF233 Large Christmas Tree  
GM267 Large Conical Drape  
GM268 Triangle Slump  
LBGM267 Half Lamp Base  
FLBGM267 Full Lamp Base

# Creating the Casting:

## Materials:

- LF233 Large Christmas Tree
- GM267 Conical Drape (Luminary)
- **OR** -
- GM268 Triangle Slump (Dish)
- LBGM267 Lamp Base (Single Tree)
- **OR** -
- FLBGM267 Full Lamp Base (Two)
- COE96 Glass (See Below)
- Suitable Glass Separator/ZYP
- Frit Placement Tools
- Acrylic Paint or Ceramic Glaze for Lamp Base (If Making Luminary)
- Liquid Gold or Metallic Paint Pen (Optional for Decoration)

## Suggested Glass:

- F1 Powder Frits:
  - Hydrangea Opal
  - Lilac Opal
  - White Opal
- F2 Fine Frit:
  - Lilac Opal
  - Teal Green Trans.
  - (F3 Medium also works)
- F3 Medium Frits:
  - Light Green Trans.
  - Clear
  - (F5 Coarse also works)

Begin by treating all non lamp-base molds with suitable glass separator. We recommend spray-on ZYP. **Always wear a mask when applying spray-on separator or using powder frits.**

**Example 1:**  
Luminary using  
GM267



**Image 1:**



Begin by adding F1 Hydrangea Opal, F1 Lilac Opal, and F1 White into alternating ornaments. Press the frit down gently into each ornament with a clean finger, though take care not to disturb the separator.

**Image 2:**



Add F1 Hydrangea Opal around the outer border of the star topper.

**Image 3:**



Fill the rest of the star with F2 Lilac Opal.

**Image 4:**



Add F2 or F3 Teal Green Transparent to the low details of the tree.

**Image 5:**



Back the tree with F3 Light Green Trans. until about 1/4" full.

**Image 6:**



Add F3 or F5 Clear until full. If using fill weights, this is about 465 grams in total.

Transfer the filled mold to a level shelf in the kiln and fire using the suggested schedule in **Table 1** or your own preferred full fuse.

**Table 1: Full Fuse \***

| Seg. | Rate | Temp (°C) | Hold |
|------|------|-----------|------|
| 1    | 167  | 621       | 45   |
| 2    | 83   | 743       | 20   |
| 3    | 222  | 796       | 10   |
| 4    | Full | 510**     | 60   |
| 5    | 56   | 427       | 05   |

\*\* If using COE90, adjust this to 482°C

\* Before firing, it's important to know your kiln. For more on that, [click here for our Important Firing Notes!](#)

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## Draping or Slumping:

**Image 7:**



Once the glass has fused and cooled, remove it from the mold and clean off any residual separator. The clean tree can now either be draped to stand as a luminary or slumped to use as a dish. If using liquid gold to add decoration, add it at this point so that it can mature in the following firing.

**Images 8-10** to the right detail the draping process. For slumping, refer to the box with **Example 2** below.

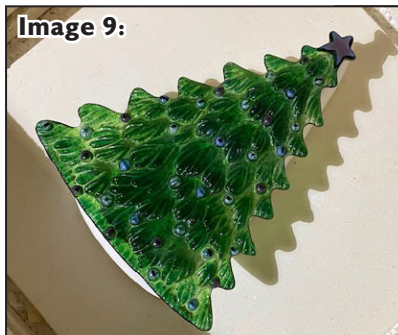
**Image 8:**



Center the tree on the GM267 so that the center ornament at the base is aligned with the mold's center mark.

Make sure the star is also aligned with the top of the mold, and that there is a gap of at least 1/8" (~0.32 cm) between the edge of the glass and edge of the mold.

**Image 9:**



**Image 10:**



Transfer the mold to a level shelf in the kiln. Make sure the glass and mold are still properly aligned, then fire using the suggested schedule in **Table 2** or your own favorite draping schedule. If using paint pen to decorate, wait until glass has completely cooled.

**Table 2: Drape \***

| Seg. | Rate | Temp (°C) | Hold |
|------|------|-----------|------|
| 1    | 153  | 691       | 15   |
| 2    | Full | 510**     | 90   |

\*\* If using COE90, adjust this to 482°C

**Table 3: Slump \***

| Seg. | Rate | Temp (°F) | Hold |
|------|------|-----------|------|
| 1    | 139  | 677       | 10   |
| 2    | Full | 510**     | 90   |

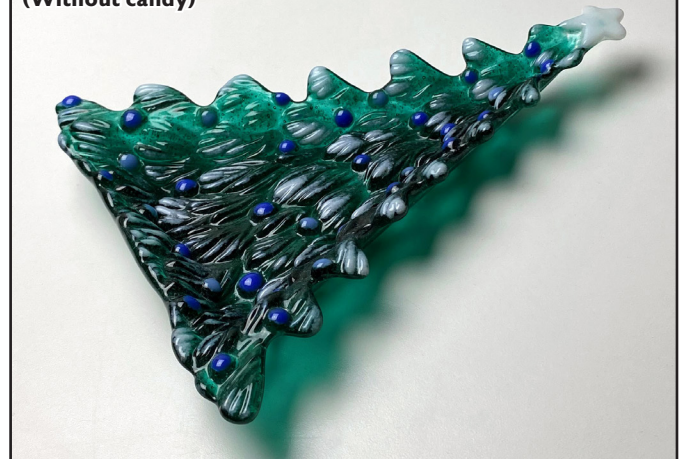
\*\* If using COE90, adjust this to 482°C

\* Before firing, it's important to know your kiln to see if you need to adjust our suggested schedules for your use. For tips on how to do that, [please click here for our Important Firing Notes!](#)

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**Example 2:**  
(Without candy)



To slump, center the cleaned (and decorated, if using liquid gold) casting atop the GM268 Slump on a level shelf in the kiln. Fire using the suggested schedule in **Table 3** or your own preferred slumping schedule.

If using paint pen to decorate, wait until glass has fully cooled before doing so.

# Finishing and Displaying the Luminary:

Both the LBGM267 and FLBGM267 Lamp Bases are made from Cone 04 fired earthenware and can be decorated in a variety of ways, including with ceramic glaze.

For more details on using, decorating, and assembling lamp base kits, refer [to our Lamp Base Basics guide here](#).

**Image 11:**



The base featured in **Example 1** on **Page 1** was decorated using acrylic paints and drybrushing.

**Image 12:**



Begin by coating the base with the desired color of acrylic. Allow it ample to completely dry before continuing.

**Image 13:**



**Image 14:**



Use a dry brush to stipple water-based metallic paint all over the base. Allow the base to dry before adding the included hardware.

**Image 14:**



To seat the bulb, insert the metal socket through the bottom hole of the base and out through the top. The wing clips of the socket should hold it firmly in place, and the top of the socket should be level with the top of the base. Screw in the bulb.

Once the draped glass has cooled, place it on the lip around the outside of the base. If using the FLBGM267 Lamp Base, two glass pieces are needed for the full base (**Example 3**). If the glass isn't quite even, a small bit of epoxy or hot glue can be used to adhere it.

**Example 3:**



**Example 4:**



As long as all the glass is fusible and compatible, any shades work for filling the LF233 Large Christmas Tree. And though transparent glass as a base is best for creating a luminary, opaque glass works great for the ornaments (**Example 4**).

Ornaments can also be decorated with liquid gold or paint pen, which can be used to add other embellishments as well like **Example 5** (displayed on its own in front of a tea light).

**Example 5:**



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