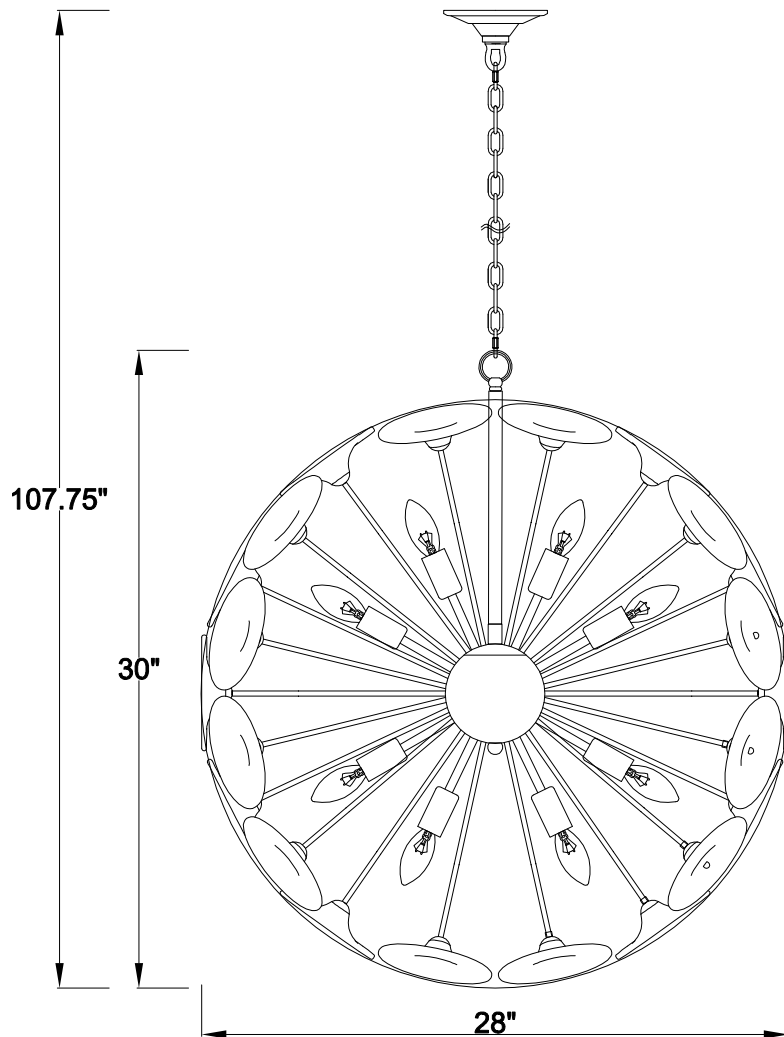


# CRYSTORAMA

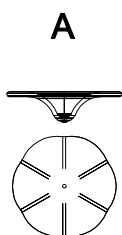


LIGHTING THE WAY FOR SIXTY YEARS

## ASSEMBLY INSTRUCTION MODEL #ESM-4009-AG-GR



### DETAILED ILLUSTRATION



Please note: The glass should not be cleaned by an abrasive cleaner to prevent the glass from being scratched.



All electrical components must be installed by a licensed electrician in accordance with the National Electric Code and the appropriate local electrical codes.



You will need 12-Candelabra Base Bulb

40 Watts Recommended 60 Watts Max

USE LED BULBS FOR EXTENDED USE

This fixture is Dry rated

### How to Install

1. Slide one check ring over the coupler on top of frame. Screw the threaded pipe into the coupler and slide the metal tube over the threaded pipe. Slide another check ring over the top of metal tube and secure with fixture loop.
2. Decide the preferred hanging height and choose the correct length of chain needed.
3. Follow the safety cable installation instruction on next page and choose the correct mounting hardware based on the outlet box rating you have.
4. Raise the fixture up to the ceiling and do the wire connection. Secure the canopy over the outlet box using the collar ring.
5. Screw the small rods onto the frame then install the glass as illustrated and secure it with the glass ball nut.

### Installation of Safety Cable

1. Pass the long threaded pipe on the hickey through the center of outlet box. Attach it to the ceiling joist and secure it with washer and hex nuts.
2. Feed wires and safety cable up through chain and the hole of screw collar loop. Have the wires and safety cable exit through the side of hickey.
3. Feed safety cable through the cable lock and coil it around the hickey twice. Then feed the cable through the lock again and tighten it with lock screw.
4. Continue to run safety cable through the top of outlet box and secure it to the ceiling joist.

### Glass Sets

- A. 80Sets. (1)120-130mm

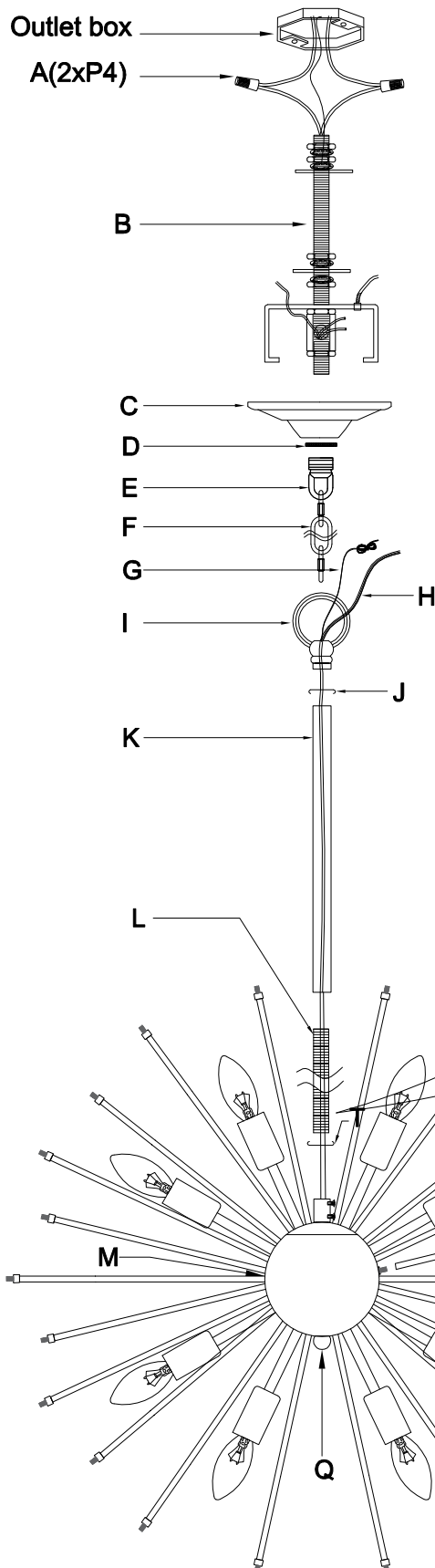
**WARNING:** This product can expose you to Lead, which is known to the State of California to cause cancer and/or birth defects or reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# CRYSTORAMA



LIGHTING THE WAY FOR SIXTY YEARS

**PART NUMBER MODEL #ESM-4009-AG-GR**



## Part Number

### Part Numbers

For 50lbs rated outlet box

- (1)-Long threaded rod
- (1)-Hickey
- (1)-Short threaded pip
- (3)-Metal washer
- (7)-Hex nut

For 100lbs rated outlet box

- (1)-Thread pipe
- (1)-Mounting strap
- (1)-Coupling with set screws
- (1)-Hex nut

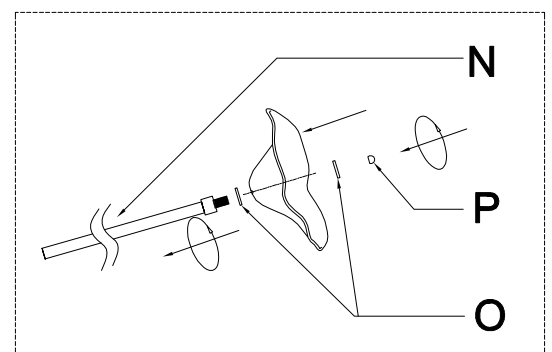
- A. (2)-Wire Connector
- B. (1)-Mounting Hardware
- C. (1)-Canopy; w5" x h1.25" (XFB4009AGCAN5IN)
- D. (1)-Collar Ring
- E. (1)-Collar Loop
- F. (1)-Chain; 72", 5.5mm (XFB4009AGCHA5.5MM)
- G. (1)-Steel Wire
- H. (1)-Ground Wire
- I. (1)-Fixture Loop
- J. (2)-Check Ring
- K. (1)-Metal Tube; 11", 19MM thickness
- L. (1)-Threaded Pipe; 12", 16MM thickness
- M. (1)-Frame
- N. (80)-Small rod; 9.25", 5.6MM thickness
- O. (160)-Washer
- P. (80)-Glass Ball Nut (XFB4006AGGBANUT)
- Q. (1)-Finial(XFB4006AGFINIAL)

**PART BAG I : Includes Parts A**

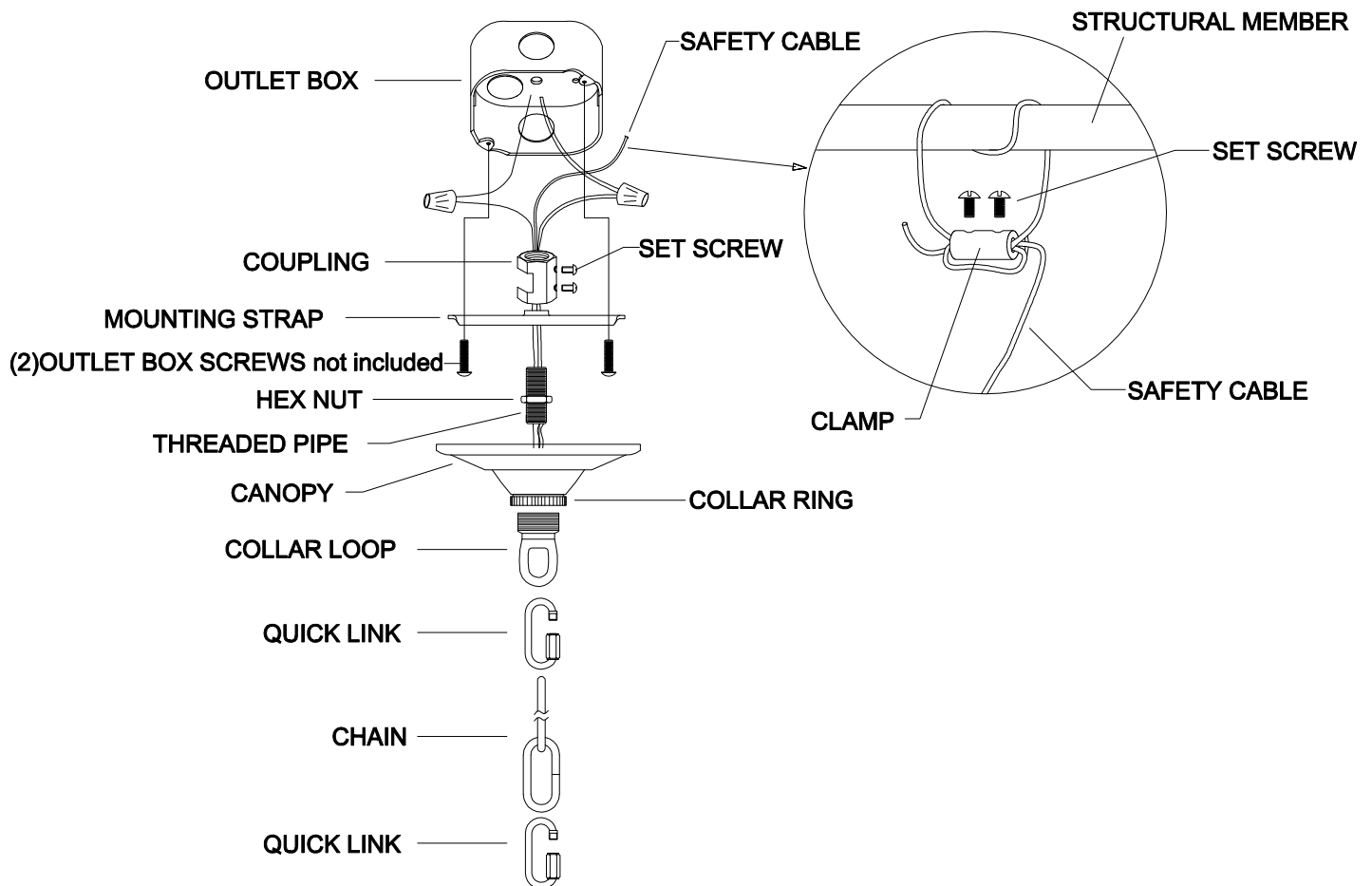
**PART BAG II : Includes Parts B,D,E**

Before screwing the threaded pipe, please loosen the set screws on the side of the coupling, tighten it when the threaded pipe is screwed all the way down.

Add an extra plastic washer to secure the glass if one is not enough.



**\*\*\*ATTENTION-If the use of the Mounting Bracket is the installation method being done, you will need an outlet box (not supplied) rated for 100lbs or more\*\*\***

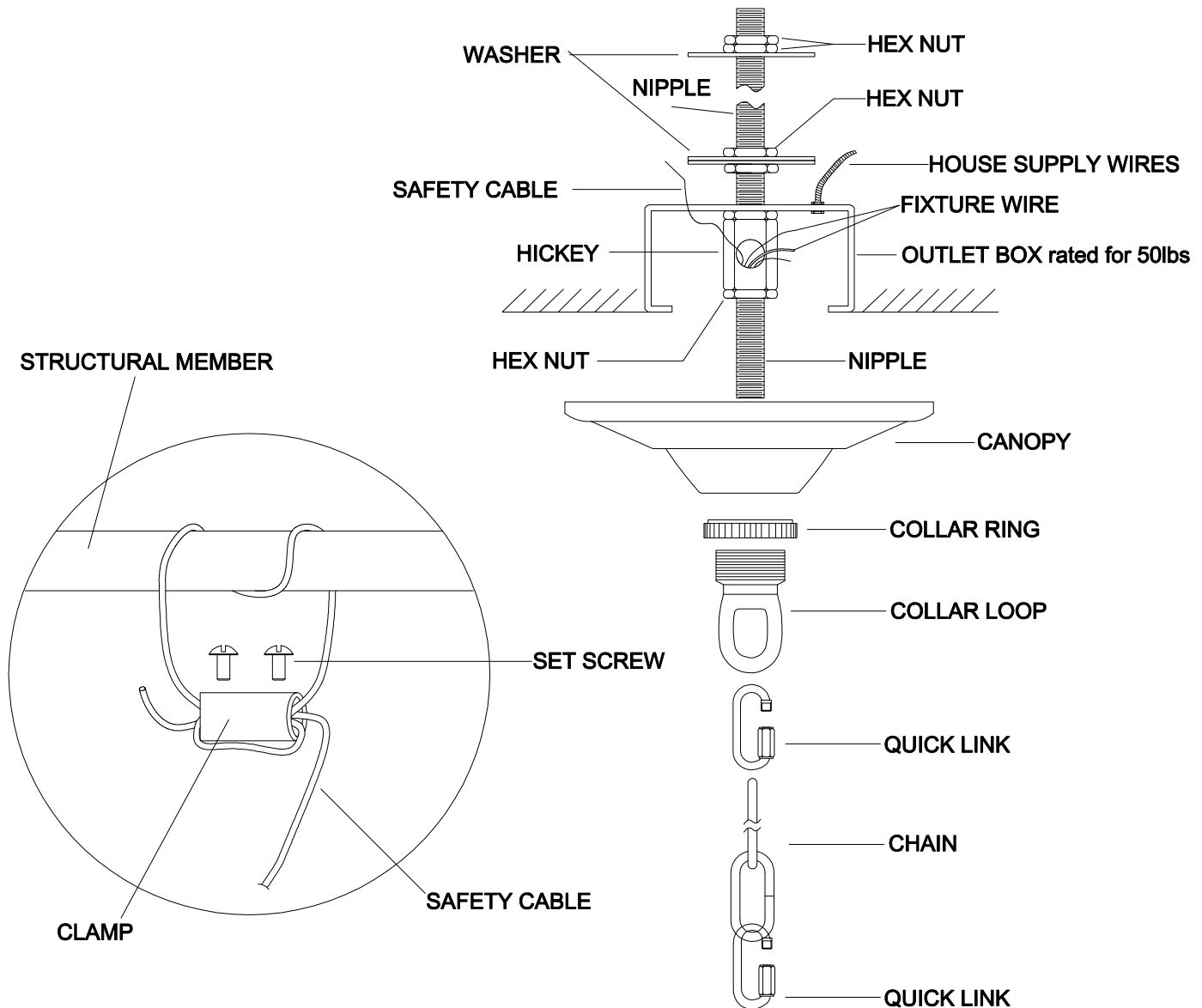


**NOTE:NEC CODE (314.24) requires that ceiling outlet boxes in the United States support up to 50 lbs. This fixture exceeds 50 lbs. and must be installed using an outlet box approved for up to 100 lbs. or independently of the existing outlet box. Installation hardware and instructions are provided for both.**

**MOUNTING TO A 100 lb. MAX. APPROVED OUTLET BOX.**

1. Feed the Support cable from the fixture through the outlet box. Drill 3/16" diameter hole in outlet box if no other holes are available. Wrap safety cable around the structural member and pull cable taut. Secure cable with the clamp and (2) set screws provided.
2. Screw the threaded rod into the coupling until the threaded rod is flush with top of the coupling. Secure in place by tightening the sets screw.
3. Pass the threaded pipe through the mounting strap.
4. Thread screw collar loop onto the threaded rod until the threaded rod is flush with hole on lower side of screw collar loop.
5. Secure screw collar loop in place by tightening the hex nut.
6. Assemble the mounting strap to outlet box using screws provided with outlet box.
7. Use one quick link to connect fixture loop and the bottom of chain. Slide the screw collar ring over the upper end of the chain, through the (Finished side down). Then use another quick link to connect collar loop and the top of chain.
8. Lace the fixture wires, ground wires and safety cable through the chain and screw collar loop. Proceed to attach the **FIXTURE GROUND WIRE** to **HOUSE GROUND WIRE** using wire connector. Using wire connectors, connect the **HOUSE WHITE WIRE** to the **FIXTURE SUPPLY WIRE (WHITE OR RIBBED SIDE)**; connect the **HOUSE BLACK (or RED) WIRE** to the **FIXTURE SUPPLY WIRE (BLACK or SMOOTH SIDE)**. Wrap all connectors with approved electrical tape.
9. Push the **CANOPY** upward over the **OUTLET BOX**. Be sure that all wires are carefully tucked into the **OUTLET BOX** cavity. Secure canopy against ceiling by threading **CANOPY LOCK RING** onto the **CANOPY LOOP**. Tighten until snug.

# SAFETY CABLE INSTALLATION INSTRUCTIONS



## IMPORTANT:

FOR A SAFE AND SECURE INSTALLATION, THESE FIXTURES MUST BE INSTALLED BY MEANS OF SUPPORTS THAT ARE INDEPENDENT OF THE OUTLET BOX.

## SUGGESTED INSTALLATION:

1. Provide a 1/4 IPS pipe with one end securely mounted to a beam or a structural member. The other end should protrude through the center of the outlet, as shown.
2. Assemble the screw collar loop, nipple, hex nuts and hickey to center 1/4 IPS support pipe and adjust overall length to allow the collar ring to hold the canopy flush to the ceiling. When the adjustments have been completed secure the hex nut, as shown.
3. Use one quick link to connect fixture loop and the bottom of chain. Slide the screw collar ring over the upper end of the chain, through the (Finished side down). Then use another quick link to connect collar loop and the top of chain.
4. Lace the fixture wires, ground wires and safety cable through the chain and screw collar loop, exiting through the side of HICKEY. Proceed to attach the FIXTURE GROUND WIRE to HOUSE GROUND WIRE using wire connector. Using wire connectors, connect the HOUSE WHITE WIRE to the FIXTURE SUPPLY WIRE (WHITE OR RIBBED SIDE); connect the HOUSE BLACK (or RED) WIRE to the FIXTURE SUPPLY WIRE (BLACK or SMOOTH SIDE). Wrap all connectors with approved electrical tape. Wrap safety cable around outlet box brace and pull cable taut. Secure cable with the clamp and (2) set screws provided, as shown.
5. Push the CANOPY upward over the OUTLET BOX. Be sure that all wires are carefully tucked into the OUTLET BOX cavity. Secure canopy against ceiling by threading CANOPY LOCK RING onto the CANOPY LOOP. Tighten until snug.