



# KINTRONIC LABS

an ISO 9001 registered company

## Tower Lighting Isolation Devices

To permit lighting system operation on base insulated AM towers



### Lighting Chokes

Optional painted aluminum weatherproof housing

Standard chokes available in 2, 3, or 4 wire

Bypass mica capacitors at both ends of each winding

Standard 12, 10 or 8 AWG windings available for 15, 25 or 35 AMP rating

### Approximate Choke Dimensions

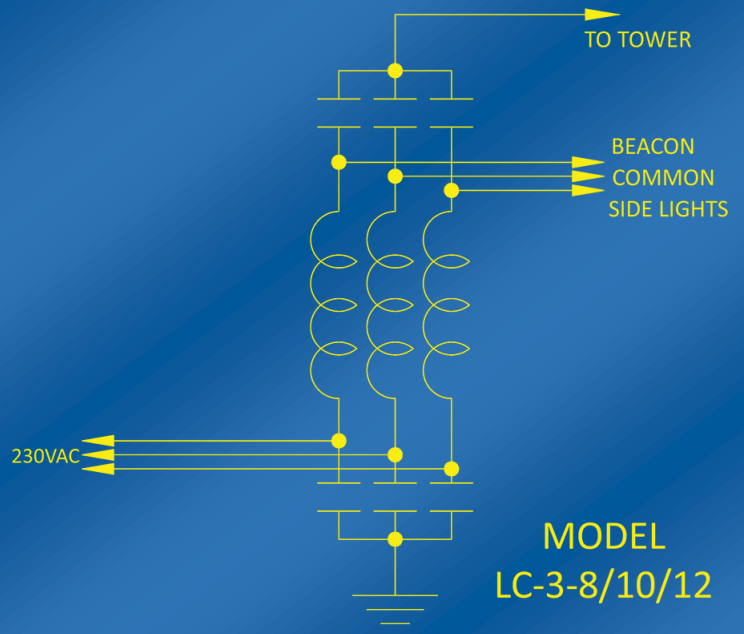
14" L x 4" O.D.

### Dimensions with Capacitors and Support bars

18" L x 6" W x 9" H

### Optional Choke Housing Dimensions

14" W x 14" D x 24" H



Standard 3-wire lighting choke schematic



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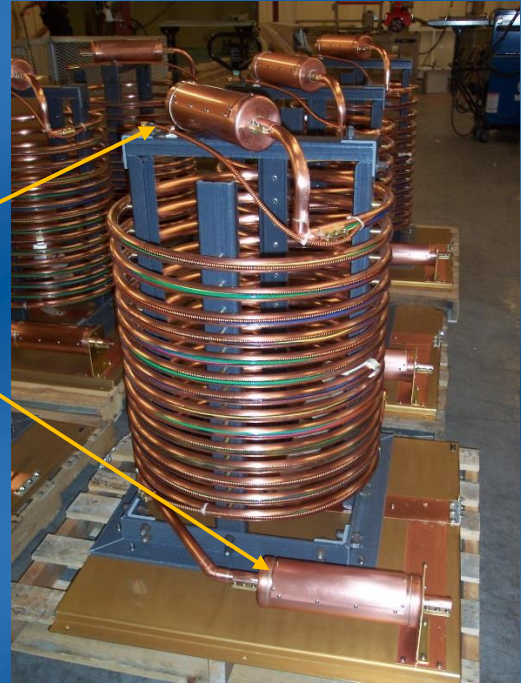
## Slotted Isocoil

Inductive slotted winding of copper tube enables ease of servicing and reconfiguration of internal conductors

Internal conductors terminated at both ends of winding with copper junction boxes containing barrier strips with bypass capacitors on each conductor

Copper winding is conservatively designed for the maximum AM peak voltage and current that will be present with full carrier transmitter power + 125% MOD

Optional anti-resonant variable vacuum capacitors are included for AM tower high-impedance designs



## Unslotted Isocoil

- Inductor copper winding with insulated DC/AC conductors internal to the winding
- Designed for lower volume space requirements than the slotted inductors
- Terminated at both ends with a copper junction box with internal barrier strip and bypass capacitors for each conductor
- Serves as a robust static drain choke for the AM tower
- Can be used as a separate tuning component in the matching network for the AM tower
- Designed for the worst case AM peak voltage and current
- Optional anti-resonant variable vacuum capacitors are included for AM high impedance tower designs