

S. C. ELECTRIC COOPERATIVES'

100 WATT HPS LIGHTING HEAD SPECIFICATIONS

This specification is for a 100 watt high-pressure sodium lighting head to replace an existing head mounted on a mast arm.

The luminaire housing shall be die-cast aluminum. Housing shall meet all EEI-NEMA dimension standards. The luminaire housing shall have slipfitter mounting for use with 1 1/4"-2 3/8" pipe size mast arm and shall have a single-bolt leveling device operating in conjunction with slipfitter mounting screws. Housing shall have means of attaching a reflector with two toggle latches.

The photocontrol receptacle contacts shall be phosphor bronze coated.

A 180 joule (minimum) MOV lightning arrester shall be installed.

The starter board socket shall be encapsulated, plug-in type and easily removed by a lineworker wearing insulating rubber gloves. If specified by the purchaser, the starter board socket shall accommodate the ANSI-NEMA standard starter.

The ballast shall be high-pressure sodium 120V AC reactor type rated 100 watts.

The lamp socket shall be mogul base and have nickel-plated brass contacts. The center contact shall be spring-loaded. The socket base shall be fully insulated.

The terminals shall have pressure connectors to accommodate wire sizes as large as #8 AWG.

This lighting assembly shall have a five (5) year manufacturer's warranty.

RCD 8/22/07 (revised)