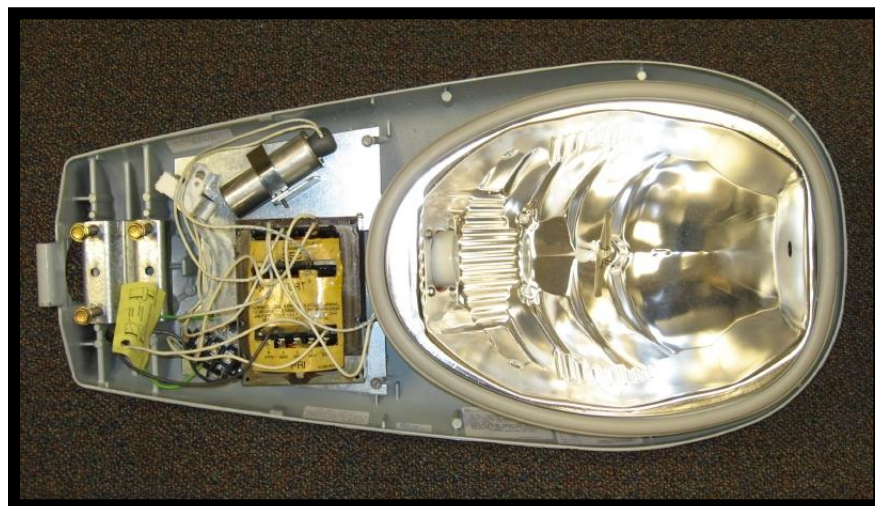


Luminaires and Photo Cells

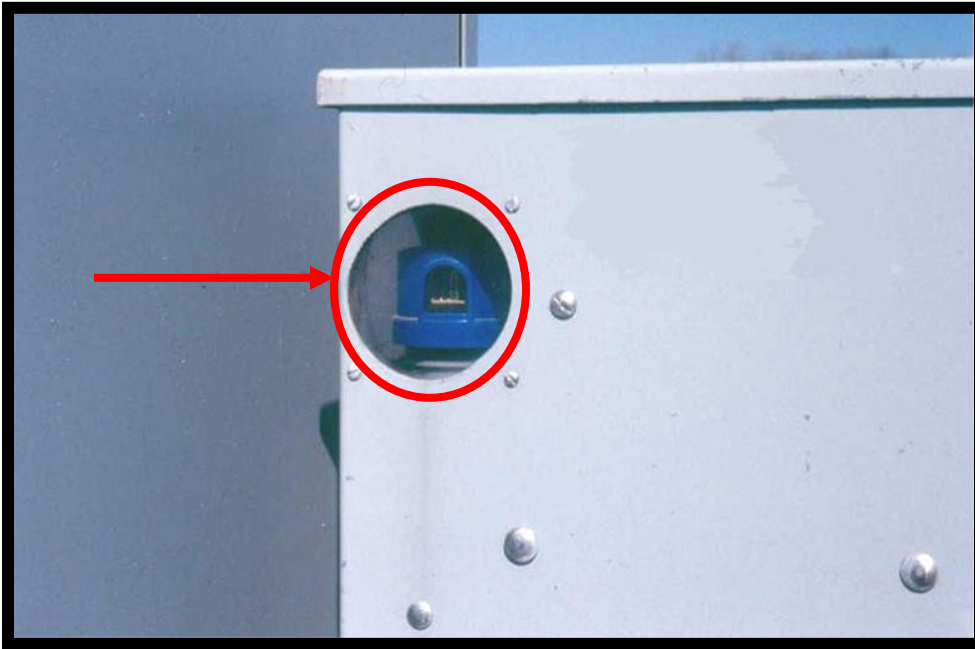


Luminaires are mounted on signal poles to provide intersection illumination. They are standard horizontal-burning roadway type luminaires. The wattage of the luminaires is listed in the Contract Documents.

Luminaires shall operate with 120 volts AC and have an integral Magnetic Regulator (Mag - Reg) ballast, pre-wired in the factory with a terminal block for field connections. Lamps must be high-pressure sodium with a mogul base unless otherwise specified in the Contract documents. The housing must be adaptable to the nominal 2-inch (50 mm) diameter slipfitter on the end of the luminaire mast arm. The Mn/DOT approved luminaires and lamps are listed on the Mn/DOT Approved Products List (APL) for Lighting.



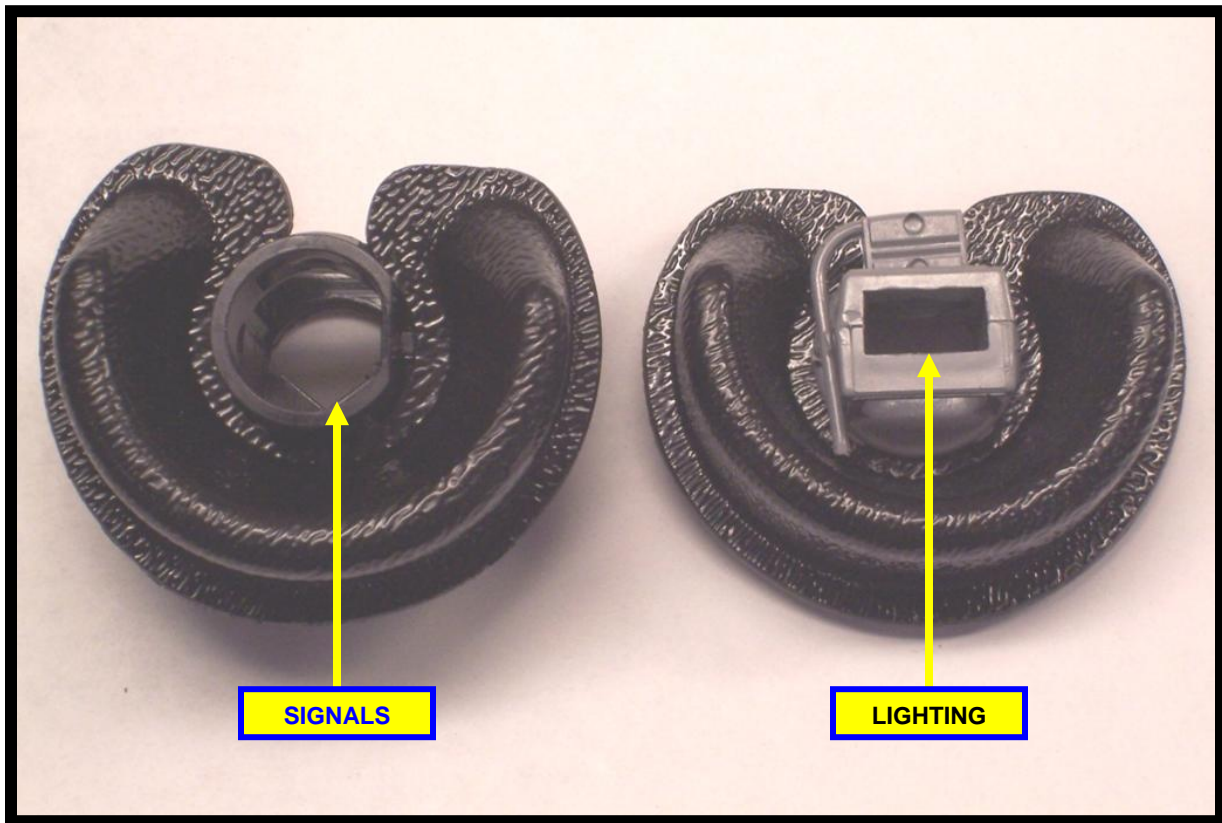
If required by the Contract Documents, the luminaires must have a ANSI C136.10 standard 3-terminal twist-lock type photoelectric control mounting receptacle and a ANSI Multivolt (colored **Blue**) photocontrol. The photoelectric control must be a Mn/DOT approved Photo Cell as listed on the Mn/DOT Approved Products List (APL) for Lighting.



On new Mn/DOT signal system and roadway lighting Contracts, Mn/DOT approved photo cells are required to be in the signal and lighting service cabinet and not on luminaires.

Mn/DOT approved Photo Cells are on the Mn/DOT Approved Products List (APL) for Lighting.

Luminaire Wire Holders



Signal system luminaires require Mn/DOT approved luminaire wire holders that accommodate a round 3 conductor #14 AWG cable that runs from the signal service cabinet to the luminaire atop the signal pole continuous without splices.

Roadway lighting system luminaires require a Mn/DOT approved luminaire wire holder that accommodates a flat 12-2 UF cable with a ground that runs from the luminaire base to the luminaire atop the lighting unit.

Mn/DOT approved wire holders are on the Mn/DOT Approved Products List (APL) for Signals or Lighting.