

# City of Boise Public Works Street Light Requirements

January 2, 2018

## Conductor

All conductors in Cabinets, Junction Boxes, and Conduits shall be AWG # 6 copper  
AWG # 10 conductors shall only be used inside light poles



- Neutral wire shall be **white** NEC 200.6
- The ISPWC does not allow phase tape to be used
- NEC states the Grounding wire shall be **green**

## Circuits

- Lighting circuits are 30A 2P **NOT** 120V for meter cabinets
- "A" phase is Black
- "B" phase is Red
- Receptacle conductors are Blue & White

## Bonding

- NEC 250 -148 Continuity and Attachment of Equipment Grounding Conductors to Boxes & their cover with the use of a # 6 compression lug.
- Light pole, Pole Base, and Fixture shall be connected to the Grounding Wire



## Cabinets

- Ground rod should be bonded with the grounding bar
- The neutral bar shall be bonded with the grounding bar at point of service
- 2" conduit should feed all cabinets on the line side (Idaho Power side)
- 2" conduits for all load side for Historical Poles or downtown
- 1" conduits are acceptable for subdivisions or small commercial projects on load side, ask the Street Lighting Technician if in doubt (Tom) 208-440-2320
- Must have a test switch in **all** cabinets
- Must have photo cell designed by the cabinet maker installed in cabinet, **NO EXCEPTIONS**
- **No** timers in meter cabinets
- City of Boise Planning and Development Services Electrical Inspector (208-608-7070) must inspect all cabinets before a final inspection by Public Works
- Must have Electrical permit for new service

## Wire Connectors

The only acceptable wire connectors for all underground installations for street lights:



NSI ISPBS2/0	1 IN / 1 OUT
NSI ISPB2/0-2	2 PORT
NSI ISPB2/0-3	3 PORT
NSI ISPB2/0-4	4 PORT
NSI ISPB02/0	1 IN / 2 OUT

### **POLARIS™ EDGE**

Pre-Insulated Connectors  
For Street Lighting.



HOMAC USL 30

## Historical poles

- Must have GFCI receptacles with TayMac Metal Bubble cover (MX5280S) with outer finish color RAL6009 or similar.
- Must have Banner Arm, Eye Bolt
- See Drawing BC SD-8 & BC SD-9

## Inspections

- Call Public Works Inspections at 208-608-7549 to schedule inspections
- Contractor must be onsite for all inspections
- Arc Fault current shall be labeled at Pole and/or cabinet

## Website

Cityofboise.org → Public Works → Development Permits or Requirements → Street Lights

**Please contact Tom with any questions.**

**208-608-7526**

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