



Light Emitting Diode Luminaire

Originator: D Scott

Date: 3/13/2017

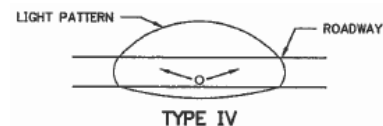
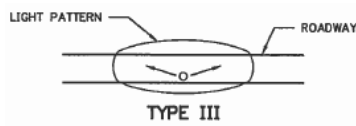
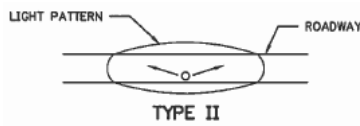
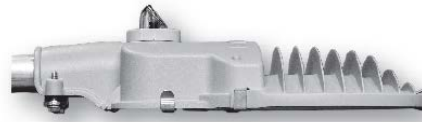
Approval: Stds Committee

Date: 9/6/2022

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Rev: added dark sky compliance

Stds Committee Approved



Application: General roadway lighting luminaires for intersection and highways as well as luminaires for underpasses, bridges, parking lots, and rural locations.

Specification:

- All components (LED, driver, photocell, etc.) must be rated 100,000-hour lifetime rating.
- 7 pin photocell receptacle, 360° with LED rated long-life photocell packaged in box with light.
- Rated for ambient temperature from -40C to +50C.
- Light trespass shield from all sides must be available option.
- Corrosion resistant housing; enclosure constructed with cast aluminum, including door. Hinges and bolts can be aluminum, 300 series stainless steel, or silicone bronze.
- 2,700k - 3000k light color.
- Operating voltage range 120v-277v.
- BUG requirements: backlight max 2, up light 0, glare max 2 for 50 watt or less.
- Dark Sky compliant.
- Discrete LED chips required, COB or high-density module unacceptable.
- Minimum efficacy 110 lumens per watt.
- Test reports required: LM79, LM80, TM21, UL Listed, DLC Listed, Driver Spec Sheet.

Packaging and Marking: Each Item shall be individually packaged to prevent damage. The container shall be convenient for handling and storage. Manufacturer's name or symbol and catalog number shall be on each part or (and) its packaging.

Approved Manufacturers: Leotek, Phillips, Eaton, and AEL

PUD IDENTIFICATION	
Stock Description	Stock No.
2500-3500 Lumens Type 2: Residential, Rural	024533
2500-3500 Lumens Type 4: Residential, Rural, Area light	024532
4000-6000 Lumens Type 2: Road, Collector	024531
8500-10000 Lumens Type 3: Arterial Road	024530