

## Headlamps, LED Type



### 1. Scope

This standard covers the requirements for LED (light emitting diode) -type headlamps. This standard applies to Seattle City Light (SCL) Stock No. 014694.

### 2. Application

Headlamps can be strapped to the head or helmet with an elasticized strap or mounting clips.

### 3. Requirements

Headlamps shall have the following attributes:

- Professional grade, suitable for general purpose application in a utility environment.
- IP68 rated for water and dust resistance
- Light source: high performance neutral white LED
- Lumens:
  - Flood: 70 and 400 lumens
  - Spot: 30, 150, 500 and 1600 lumens
- Battery configuration: rechargeable 21700 lithium-ion battery
- Charging kit and cables
- Battery run time: 100 hours, nominal
- Hardhat compatible
- Multi-position adjustable
- Glove-friendly switch for spot beam, flood beam, or both beams simultaneously

Standard Coordinator  
Ponet Neuanourinh

Standards Engineering Supervisor  
Brett Hanson

Division Director  
Bob Risch

#### 4. Packaging

Product shall be packaged to prevent damage during shipping, handling, storage.

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Manufacturer catalog number
- Product description
- Quantity
- SCL stock number

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number
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#### 5. Issuance

Stock Unit: EA

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#### 6. Approved Manufacturers

<b>Manufacturer</b>	<b>Description</b>	<b>Catalog No.</b>
Fenix Lighting	Headlamp, Rechargeable	HM70R

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#### 7. Sources

**Neuansourinh, Ponet**; SCL Standards Engineer, originator, and subject matter expert for 7659.24

**[www.fenixlighting.com](http://www.fenixlighting.com)**