

# RUNWAY LIGHTING

## Benefits Sheet

### F-Range, Low Profile Inset Fixtures



#### Aluminum alloy top cover

##### Advantages

- Lighter than ductile iron
- High density (low porosity)

##### Benefits

- Eases handling in the field
- Reduces potential leak paths compared to traditional ductile iron fixture designs
- Longer fixture life due to reduced fixture operating temperature

#### Trace of copper content in cover

##### Advantages

- Reduces corrosive action when attached to a galvanized surface (i.e. L-867 or L-868 base can)

##### Benefits

- Longer fixture and base can life
- Reduces need for environmentally damaging, anticorrosive compounds

#### Low-energy/long-life lamps

##### Advantages

- L-850A – 75% reduction of power consumption, 3x the lamp life
- L-850B – 75% reduction of power consumption, 3x the lamp life
- L-852 Series – 50% increase in lamp life
- ALSF – 37% reduction in power consumption, 2x the lamp life
- MALSR Threshold (green) – 7% reduction in power consumption, double the lamp life
- MALSR Approach (white) – 48% reduction in power consumption, double the lamp life

##### Benefits

- Energy, labor, and material cost savings

#### Grommet (shock) mounted optical assembly

##### Advantages

- Absorbs high frequency vibrations

##### Benefits

- True lamp life achieved

#### 100% production helium tank leak testing

##### Advantages

- Eliminates leak paths in new fixtures

##### Benefits

- No leak paths, extending fixture component life

#### FAA Style 3–Low protrusion above ground ( $\leq 0.25$ inch)

##### Advantages

- Reduces vibrations caused by aircraft landing gear
- Prevents tire damage
- Minimizes risk of snowplow damage

##### Benefits

- Increases fixture life

#### Field replaceable L-823 cord sets

##### Advantages

- Mechanically clamped to bottom cover for quick & easy replacement
- Provide watertight seal without sealing compounds or resins

##### Benefits

- Labor and material savings

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### Field replaceable prism/lens

#### *Advantages*

- Mechanically clamped to light cover for quick & easy replacement
- No optical adjustment required after replacement
- No sealing compound required
- No setting jig required
- Repeatable photometrics

#### *Benefits*

- Labor, material, and equipment savings
- Optimal photometric output

### Parts commonality across F-Range family

#### *Advantages*

- Reduces spare parts inventory

#### *Benefits*

- Material cost savings

### Pressure test fitting

#### *Advantages*

- Ability for maintenance to check air tightness after relamping/rebuilding

#### *Benefits*

- Fixture remains watertight after lamp replacement