



# LSF1 Series – LED Soffit Luminaire

For recessed exterior lighting applications

**GREEN** Technology

The Leotek LSF1 Soffit Luminaire offers a full cutoff, recessed, exterior lighting solution engineered around energy-efficient LED sources. The form minimizes visual clutter under the eaves, while providing the required thermal management to ensure optimal LED performance.

### High Visibility Illumination

- Extraordinarily uniform illumination
- High CRI, white light enhances visual acuity

### Life Cycle Economies

- High LED efficiency reduces energy cost
- 50,000-hour life reduces maintenance
- Instant-start LEDs are compatible with inverters and battery back-up emergency lighting systems available.

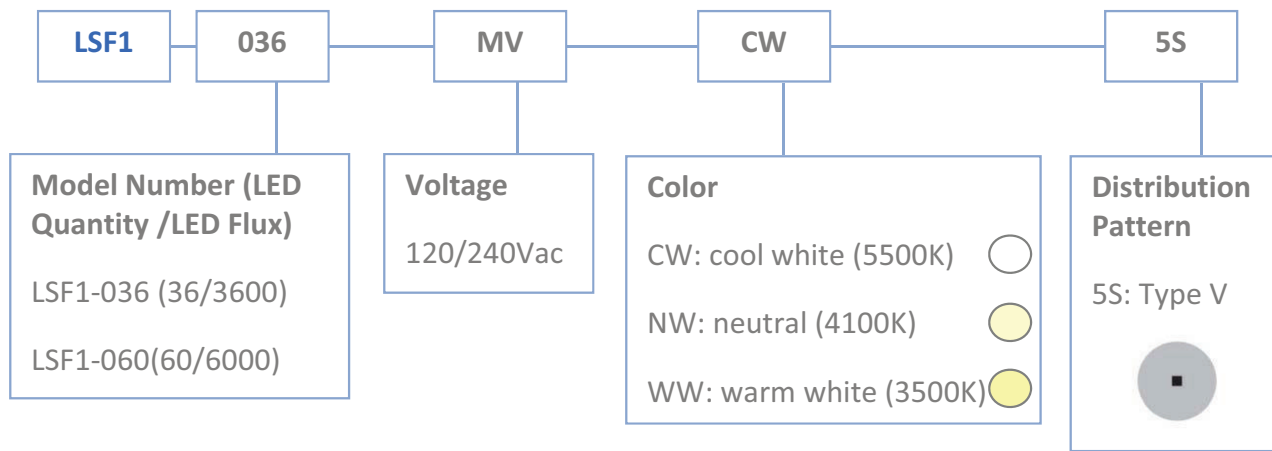
### Sustainable Design

- Energy savings reduce greenhouse gases
- 100% mercury and lead free
- In addition to the "full-cutoff" optics, the LSF1 luminaire reduces spill light into adjacent properties, thereby significantly reducing the contribution to urban sky glow.



## Ordering Options and Technical Data

Example: LSF1-036-MV-CW-5S



Leotek Series	Power Consumption	Lumen Output/Lumen Per Watt Efficacy
LSF1-036	40	2650/66
LSF1-060	68	4500/66

# LSF1 Luminaire Specifications

**Application:** Protected plenum or soffit areas. Face frame installs flush to ceiling material. Ideal for metal ceilings.

**Light-Engine Housing:** Die cast aluminum housing with heat dissipating fins.

**Optical Chamber:** Aluminum face-frame, silicone gaskets. Full cutoff distribution, Type V.

**Light Emitting Diodes:** Hi-flux/Hi-power white LEDs produce a minimum of 100 lumens per watt and 70% of initial intensity at 50,000 hours of life. They have a correlated color temperature of 5500 and a CRI of 70. LEDs are 100% mercury and lead free.

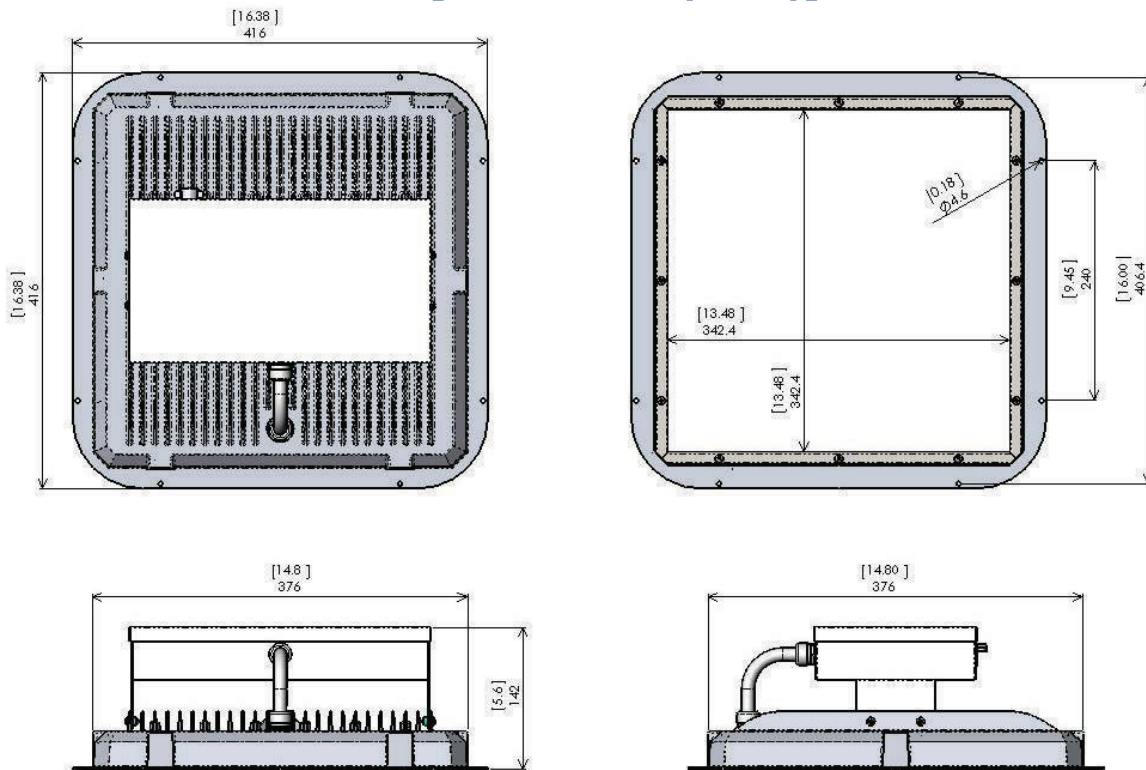
**Electrical:** Power supply features a Power Factor of .99 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Transient voltage complies with ANSI C62.41 Cat. A. Power supply produces a maximum drive current of 325ma to optimize LED efficiency and life. Splice compartment.

**Finish:** White polyester powder –coated face frame.

**Listings/Ratings/Warranties:** Luminaires are listed by certified testing laboratory for use in wet locations in the United States and Canada. Five-year limited warranty is standard on all components.

**Photometry:** IES Type V short, Full Cutoff distribution. All luminaires are photometrically tested by certified independent testing laboratories in accordance with IESNA LM-79 testing procedures. LM80 tests and In-Situ tests available on request.

## Mechanical Dimensions [units: mm (inch)]



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