



# Introducing Evolaire™ Hadco's LED Street and Area Luminaire

Learn more about Hadco's Street and Area LED at [HadcoLED.com](http://HadcoLED.com).

**PHILIPS**  
**HADCO**  
sense and simplicity

# Sustainable Performance



## Lightspread Technology

The core of Lightspread Technology is the unique 6-position articulating head that is standard on each Hadco luminaire.



OptiAC



The articulating head allows for precise positioning of the coverage area and all but eliminates hot spots and waste of light due to overlap or random spillage. The field of illumination is uniform and light intensity is nearly the same at a distance of 2.25 times the height of the lamppost as it is directly beneath the source.

OptiAC power conversion technology ensures that every possible unit of energy is transformed into light.

The OptiAC converter provides a conversion efficiency of 96% with a power factor of .98 and very low total harmonic distortion (<10%). The unique age compensating algorithm ensures that photometric output is uniform over the long life of the fixture (minimal lumen depreciation).



OptiAC goes a step further by automatically adapting to electrical inputs varying from 85 to 300 VAC.

## LED Specifications

- Power factor: 98%.
- System efficiency: 96%.
- LED aging compensation over 20 years.
- Light Loss Factor (LLF): 0.95.
- Midnight dimming and motion sensing for added savings.
- Temperature compensation and protection.
- Die-cast and extruded aluminum construction.
- 70W to 200W HPS equivalent.
- 33W to 100W of energy used (<50% of comparable HID).
- 5mm low power, lighting grade LED devices, consume less than 1/10th of a watt each.
- Specialized aluminum core circuit board.
- Clear acrylic lens.
- Type II and III distribution patterns.
- 3500K & 5000K color temperature (CCT).
- >80° color rendering index (CRI).
- Approximately 100,000\* hours of operational life (70,000 for "X" models).
- 5 year extended warranty.
- Operating temperature range -60°C to +45°C.
- Smart Select™ electronic driver. 85 to 300 VAC input; 50-60Hz; auto-sensing.
- CSA and CE listed, IP66 rated.

\* at 25°C ambient temperature.

To get full specification sheets and ordering guide information go to [www.hadco.com](http://www.hadco.com).