



Introducing a breakthrough
in LED street light systems:
The **DuraStreet**[®] Series LED Light Engine.



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The smart solution. The right fit.[™]

The DuraStreet® Series LED Light Engine

Built to Perform. Built to Last.

- Types 2/3 and Type 5 Square roadway distributions
- Fully tested to IES LM-79 and ETL/UL standards
- Over 100,000 hours L70 product life under typical operating conditions, verified by 3rd party LM-80 testing
- Dark Sky Association approved
- Compliant with Energy Star outdoor lighting criteria
- Proprietary long-life LED driver with PWM dimming



Made-in -America

Great products begin with great designs and experienced manufacturers

The design of LED luminaires requires significantly different competencies compared to traditional luminaires. It's no longer about lamps, ballasts and reflectors. EcoFit has partnered with Progress Instruments to provide USA manufacturing from an ISO 9001 organization that has been a leader in designing and manufacturing high-quality, high-use, solid state electronic systems for over 25 years. PCBs, heat sinks and high-performance power supplies are Progress' core competencies, with dozens of products in the marketplace and quality assurance second to none.

Heat dissipation, critical to LED longevity, is paramount in DuraStreet's patented design¹

Recent technological advancements in LEDs, optics, and thermal management have provided the means to properly manage heat and provide discrete optical control for each LED.

EcoFit takes advantage of a basic principle of thermodynamics: Heat flows via conduction from the point of highest to lowest temperature. Simply stated, during normal operation, the heat created by LEDs in the DuraStreet® Series light engine flows to the coolest portion of the unit's heat sink array where fins are directly exposed to the cooler outside air. As a result, the temperature inside the luminaire remains cooler with a DuraStreet module than with a traditional high pressure sodium or metal halide lamp, and superior LED life is achieved (as validated by independent 3rd party heat testing and LED manufacturer LM-80 data).

¹ U.S. Patents D611647, D611648. Other U.S. and International patents pending.



Superior optical performance defines the DuraStreet's unique shape

It's common sense: Any light not directly aimed at a target is wasted—or worse, the uncontrolled light spills onto unwanted surfaces, such as houses, or directly into the sky. EcoFit, working with the optical specialists at Fraen Corporation, designed proprietary optics that direct light evenly on the street surface, preventing distracting glare and unwanted light trespass. The result is truly stunning lighting uniformity at any desired wattage or mounting height, and a fully Dark Sky Approved light engine.

DuraStreet® light engines are made from the highest quality components

- Cree XPE LEDs, which provide long life, high durability, and uniform output at 4500K color temperature (6,000K CCT is also available) at a CRI > 75.
- Proprietary optical applications from Fraen, a worldwide leader in LED optical design and efficiency.

EcoFit has created the most thorough LED luminaire testing program in the industry

Manufacturers in the LED luminaire industry make lots of claims about product performance. Only EcoFit provides independent 3rd party validation from the most recognized testing laboratories available. But don't take our word for it – go to www.ecofitlighting.com to download any DuraStreet testing report and review the data. Reports include:

- Photometrics (LM-79)
- Heat dissipation (LM-80)
- Safety (UL 8750 / 1598)
- Corrosion (ASTM-B117)
- Ingress Protection (IP-66)
- Pole vibration (ANSI-C136.3)
- Mechanical stress
- Dark Sky compliance



At EcoFit Lighting, we are confident in our designs and components. That's why we back them up with an industry-leading warranty: Five years on the LED arrays, five years on the power supply, and ten years on the chassis components.



BEFORE
High pressure sodium (HPS) provides uneven light distribution, with hot spots directly below the luminaire and large, dark areas on the street between luminaires. HPS also creates significant house-side light trespass, as well as an unnatural orange light that contrasts with the nighttime sky.

AFTER
DuraStreet® LED light engines provide a highly uniform, glare-free light distribution with virtually no dark areas on the street. DuraStreet also virtually eliminates house-side light trespass, and delivers a natural white light reminiscent of moonlight.

The Bottom Line



Universal application

DuraStreet LED light engines are designed to quickly and easily into existing cobra head luminaires—about 70% of existing street lighting applications. However, with EcoFit's universal mounting plates, you can also install DuraStreet in most shoeboxes, pendants and other down lighting luminaires.



Lower cost of deployment and ownership

DuraStreet does not require replacement of your existing luminaire, so we can pass the savings along to you. In addition, the simple installation process keeps replacement costs at a minimum. All of this yields the shortest payback times in the LED street lighting industry.



Fast installation

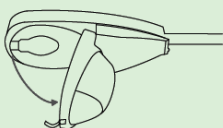
Installing DuraStreet involves five easy steps and requires less than five minutes. You can quickly switch to LED lighting with virtually no training required.



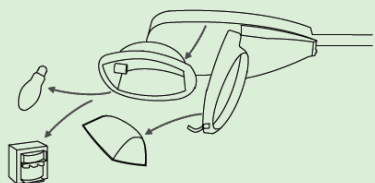
Virtually no waste

Because DuraStreet was designed to replace the light, not the lighting fixture, you can keep your existing luminaires on the light poles, and avoid sending twenty pounds of metal, electronics, wiring and potentially hazardous materials to the landfill.

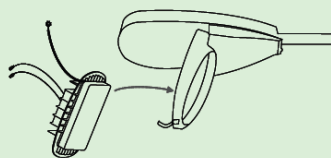
Five-Step Installation Process



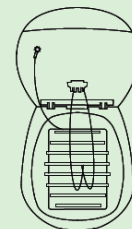
1. Open the door of the existing luminaire



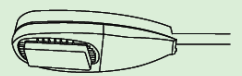
2. Remove & recycle the existing lamp, reflector & lens. You also have the option of recycling the existing ballast and other electrical components



3. Install the DuraStreet Series LED Light Engine



4. Attach the existing power leads and safety cable



5. Close & latch the luminaire