



EcoSwap is a LED light engine for existing Lumec and Hadco outdoor lighting fixtures offering performance and longevity. **EcoSwap** allows you to switch to LED lighting and have great energy savings and longevity while keeping the same outdoor lighting infrastructure..

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide: LED light engine

Order link	Series	LED's	Generation	Optics	Voltage	Luminaire Options	SpecialKitNo
			G2				
OrderLine	See Retrofit product list page 3	40W42LED3K 65W42LED3K 40W42LED4K 65W42LED4K	G2	3 Type III 5 Type V	120 120v 208 208v 240 240v 277 277v	HS House side shielding	MSNo

Features

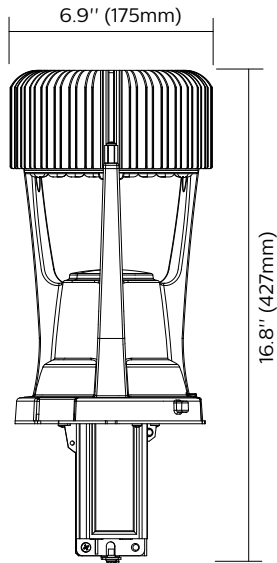
- Quick and easy tool less installation / retrofit
- Optimal thermal management
- Lifespan up to 100,000 hours
- Tested in real luminaire conditions

EcoSwap Retrofit LED Light Engine

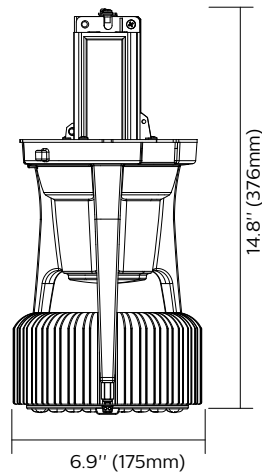
Urban Luminaire

Dimensions

For Post Top Luminaire



For Pendant Luminaire



Specifications:

LED Engine

Rotomatic tool-free system composed of 4 main components: Heat Sink / LED Module / Optical System / Driver. Electrical components are RoHS compliant.

Composed of 42 high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- .275K or 3710K to 4260K) or Warm white, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Heat Sink

Made of extruded aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device)

Optical System

Type 3 and Type 5. Composed of high-performance acrylic refractor lenses to achieve optimized distribution and get maximum spacing. Target lumens will create a perfect lighting uniformity. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Painted color grey

Driver

High power factor of 90%. Electronic driver, operating range 50/60 Hz. Auto-adjusting to a voltage between 120 and 277 volt AC rated for both application line to line or line to neutral, Class II, THD of 20% max. Maximum ambient operating temperature from -40F(-40C) to 130F(55C) degrees. Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221F(105C) degrees

Surge Protection

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

Luminaire Useful Life

Refer to Luminaire spec sheets for lifetime data

Options

HS House side shield (not installed when EcoSwap is ordered as a retrofit)

LED products manufacturing standard

Electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/

ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control

The manufacturer must provide a written confirmation of its ISO 9001 2008 and ISO 14001 2004 International Quality Standards Certification.

Certifications and Compliance

cULus listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards. UL8750 and UL1598 compliant. UL listed to U.S. safety standards for wet locations. LM80 & LM79 tested. Listed on the DesignLights™ Consortium (DLC) Qualified Products List (QPL).

Warranty

5 year extended warranty.

EcoSwap Retrofit LED Light Engine

Urban Luminaire

Compatible to retrofit the following Luminaries

Candela Series

Existing luminaire installation (retrofit*)	CAND1/CAND2/CAND3/CAND101/CAND102/CAND103/CAND104/CAND105/CAND106 CAND107/CAND108/CAND109/CAND2/CAND201/CAND222/CAND225/ CAND226/CAND231/CAND232/CAND233/CAND236/CAND241/CAND242/ CAND243/CAND244/CAND3/CAND4/CAND6
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Contemporary Lantern

Existing luminaire installation (retrofit*)	L80/L81/L82
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New Westminster

Existing luminaire installation (retrofit*)	NW/NW201/NW202/NW203/NW204/NW205/NW206/NW207/NW208/NW209/ NW210/NW211
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Traditional Globe Series

Existing luminaire installation (retrofit*)	L23/L29/L50/L51
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Zenith

Existing luminaire installation (retrofit*)	Z10B/Z10G/Z11/Z11B/Z12/Z12A/Z14/Z15/Z40/Z40C/Z40F/Z40G/Z41/Z42G/Z47/ Z47A/Z47G/Z47L/Z66B/Z66A
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*Please note, that validation is required to ensure compatibility when retrofitting EcoSwap in existing Lumec luminaire installation (such as version / year, optical systems, selected options, mounting height, etc.). Please contact factory quotes teams for more information.

