



by  Signify

Site & Area

EcoForm



Deliver more than expected

EcoForm LED site and area luminaires are more than sources of illumination, they offer the best of all worlds: saving energy, saving time, and saving money.

Strengthening relationships, one luminaire at a time





**EcoForm (ECF-L) LED
site and area
Large**
6 module with
standard arm mount



**EcoForm (ECF-S)
LED site and area
Small**
4 module with
standard arm mount

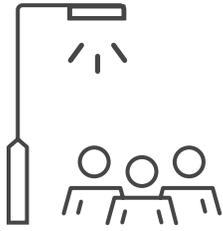
It's not just about meeting technical requirements. It's about looking out for the best interests of your customers, and going the extra mile to uncover new savings and conveniences. Outdoor lighting should support these goals, and the right place to start is with the next generation of Gardco EcoForm LED site and area luminaires.

In any outdoor site and area project, EcoForm luminaires are more than sources of illumination; they offer the best of all worlds: saving energy, saving time, and saving money for significant and enduring value.

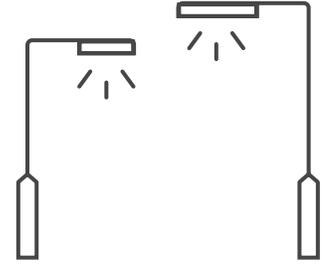
Your opportunity to make a difference

Create an impactful first impression, with the long-lasting, energy-efficient illumination of EcoForm luminaires. In addition to cutting-edge LED technology, multiple luminaire options allow you to build something truly special in your client's outdoor space.





A heightened sense of security by incorporating lumen outputs from 5,400 - 52,500

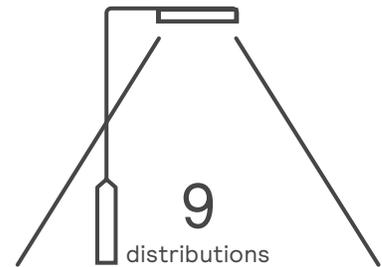


Maintain consistent aesthetics throughout the site with two housing sizes and multiple mounting types



Deliver optimum light levels without over or under lighting with true 400W and 1000W HID equivalency*

* reference data sited on pages 4 and 5 of this brochure



Precisely direct light with nine optical distribution types: Type 2, Type 3, Type 4, Type 5, Type 5W, Auto Front Row, Back Light Control, and LEED Corner Left and Right



Outdoor lighting control options

For enhanced long-term energy savings and personalized functionality, see our full range of outdoor lighting control options.

Lighting applications expertise

The added value inherent to EcoForm luminaires continues through Signify Lighting Applications Engineers, who will offer expert advice, helpful tips and useful lighting education to ensure that your project is as efficient and successful as possible.

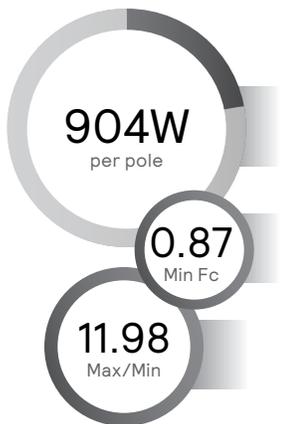
The confident choice

When determining HID equivalency, it's not as straightforward as a lumen-to-lumen comparison of LED technology versus traditional lighting technologies. As seen in the photometric layouts below, we compared EcoForm luminaires to Signify 400W and 1000W PSMH luminaires with segmented reflectors in parking lot applications.

EcoForm luminaires attain improved minimum footcandle levels and uniformity compared to PSMH luminaires, allowing your site to have an increased sense of security without extreme bright spots at the bottom of the pole and dark areas in between poles. At the same time, the wattage reduction means that EcoForm luminaires can provide energy savings of up to 77% compared to the PSMH luminaires.

Typical retail parking lot

400W Pulse Start Metal Halide

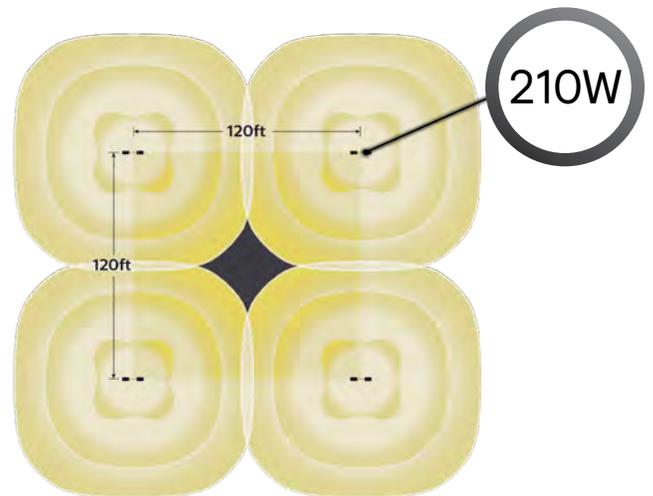
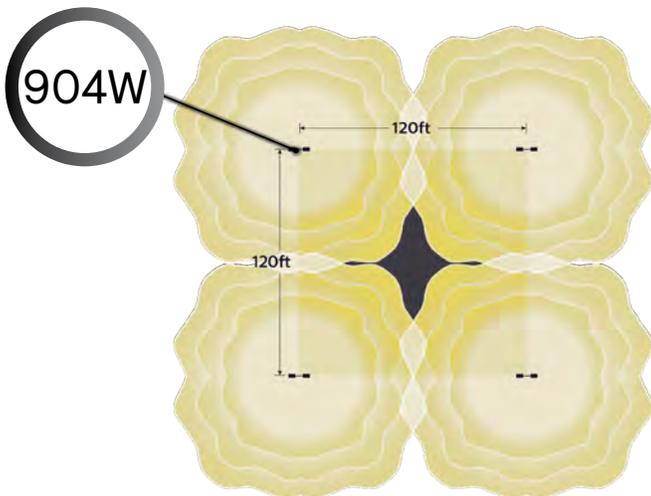
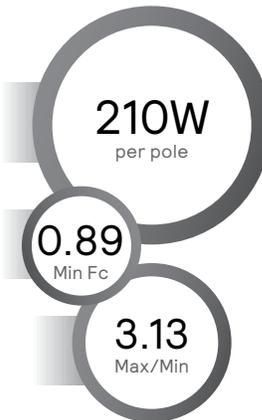


77% energy savings over HID¹

Equivalent light levels

Improved uniformity

EcoForm LED - Small ECF-S-32L-1A-NW-G2-5W

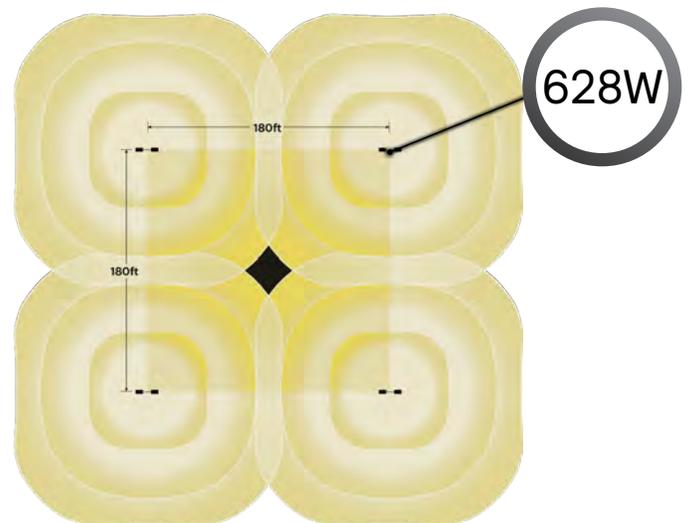
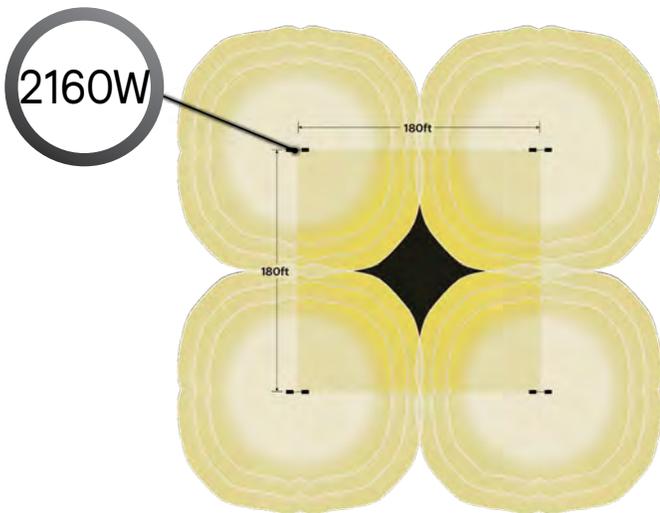
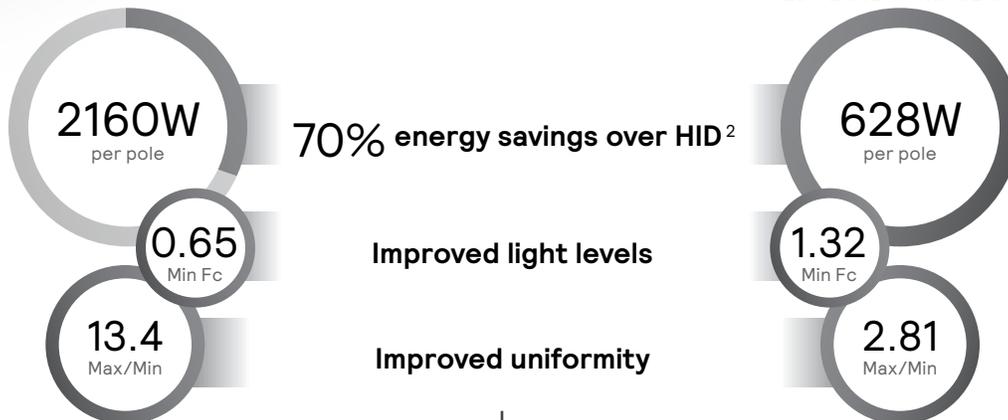


1. Based on 400W PSMH (@452W) and ECF-S (ECF-S-32L-1A @ 105W). 20' mounting height.



1000W Pulse Start Metal Halide

EcoForm LED - Large
ECF-L-96L-1A-NW-G2-5W



2. Based on 1000W PSMH (@1080W) and ECF-Large (ECF-L-96L-1A @ 314W). 30' mounting height.

Beyond the expected, for long-lasting satisfaction

Deliver more for your customers by integrating EcoForm luminaires with lighting controls. Whether the goal is enhanced functionality, increased energy and cost savings or even network integration, our outdoor solutions create results to help you stand out from the crowd.



Controls



Luminaire solutions

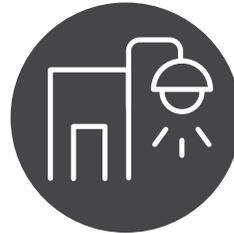
Basic. Autonomous. Affordable.

Simple, individual outdoor lighting dimming and management without the need for remote access.

- **0-10V Dimming** –Luminaires are equipped with a dimmable LED driver allowing connection to external dimming controls.
- **Dual circuit control** – This simple yet effective control solution allows authorized users to turn off half the LED boards in a luminaire to reduce energy use and extend the luminaire’s longevity.
- **Programmable motion response** – Upon easy installation, Programmable Motion Response dims the luminaires to 25% light output, increases to 100% light output only when motion is detected, and returns to the original low output after five minutes. This maximizes outdoor lighting energy savings while supporting security efforts. Settings are easily adjusted at the luminaire with an optional wireless hand held programmer.



- **Dynadimmer** – Dynadimmer dims the luminaire’s light output according to preprogrammed or customized dimming schedules to reduce light pollution and energy consumption without compromise. Add optional Motion Response to maximize energy savings without sacrificing the sense of security.



Site solutions

Intermediate. Informative. Flexible.

Enhanced functionality to dim and manage outdoor luminaires along with convenient access to usage and other data.

- **Limelight by Lutron wireless controls (system by others)**

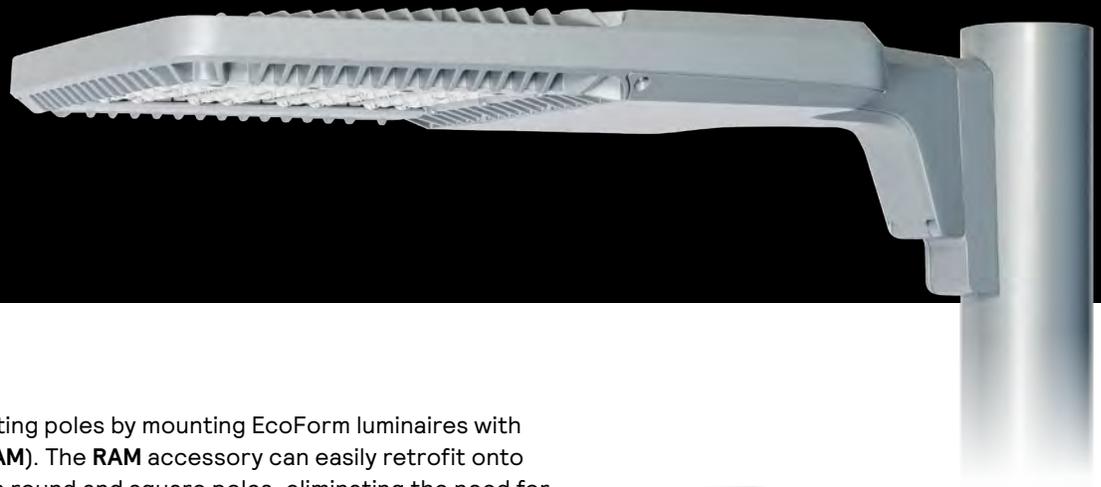
EcoForm luminaires are available with optional wireless controllers ready to be connected to a Limelight system. The system allows you to wirelessly manage the entire site, independent lighting groups or individual luminaires while on-site or remotely. Based on a high density mesh network with an easy to use web-based portal, you can conveniently access, monitor and manage your lighting network remotely. Wireless controls can be combined with other site and area luminaires for a completely connected outdoor solution.

For more information on controls

Visit us at lightingproducts.signify.com for more on stand-alone and connected outdoor lighting solutions, and select Controls Outdoor, or request our outdoor lighting solutions brochure.

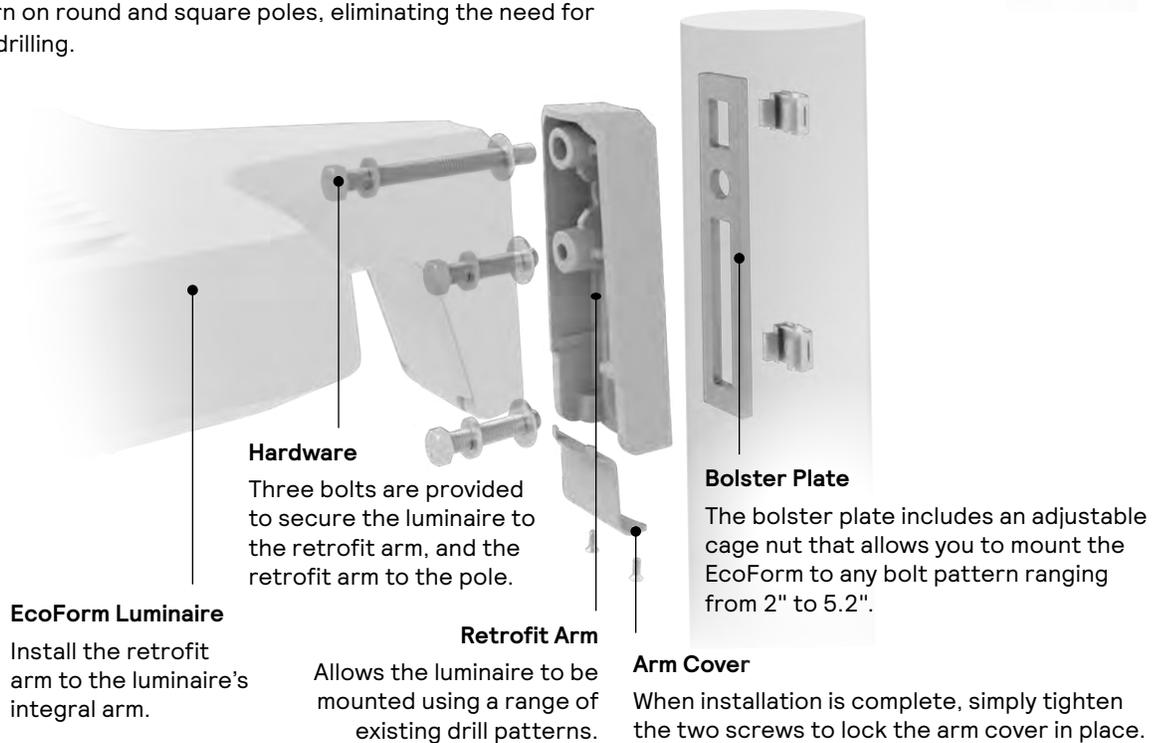
Reinforcing enhanced value through versatility

Even throughout an individual outdoor project, lighting needs may vary. This is why EcoForm luminaires are available with a variety of mounting options, including retrofit mounting styles. Now, you can efficiently and consistently deliver light across any outdoor space.



Retrofit arm mount

It's easy to repurpose existing poles by mounting EcoForm luminaires with the Retrofit Arm Mount (RAM). The RAM accessory can easily retrofit onto any existing drill pattern on round and square poles, eliminating the need for timely and costly pole drilling.

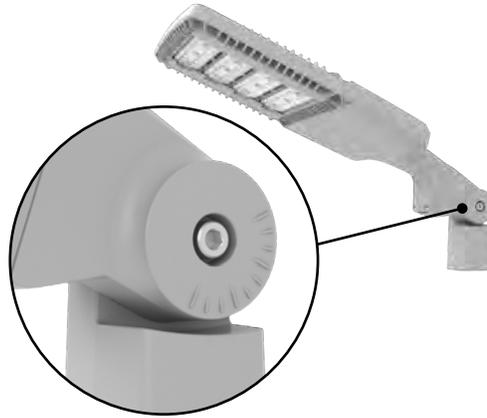


EcoForm features an adjustable slipfitter that slips over existing brackets to serve as a mast arm fitter, and also tilts in 5° increments to allow further use as a floodlight. Additionally, square and round arm mounts, and wall bracket mounts are available for new applications.

Wall mount



Slipfitter mount

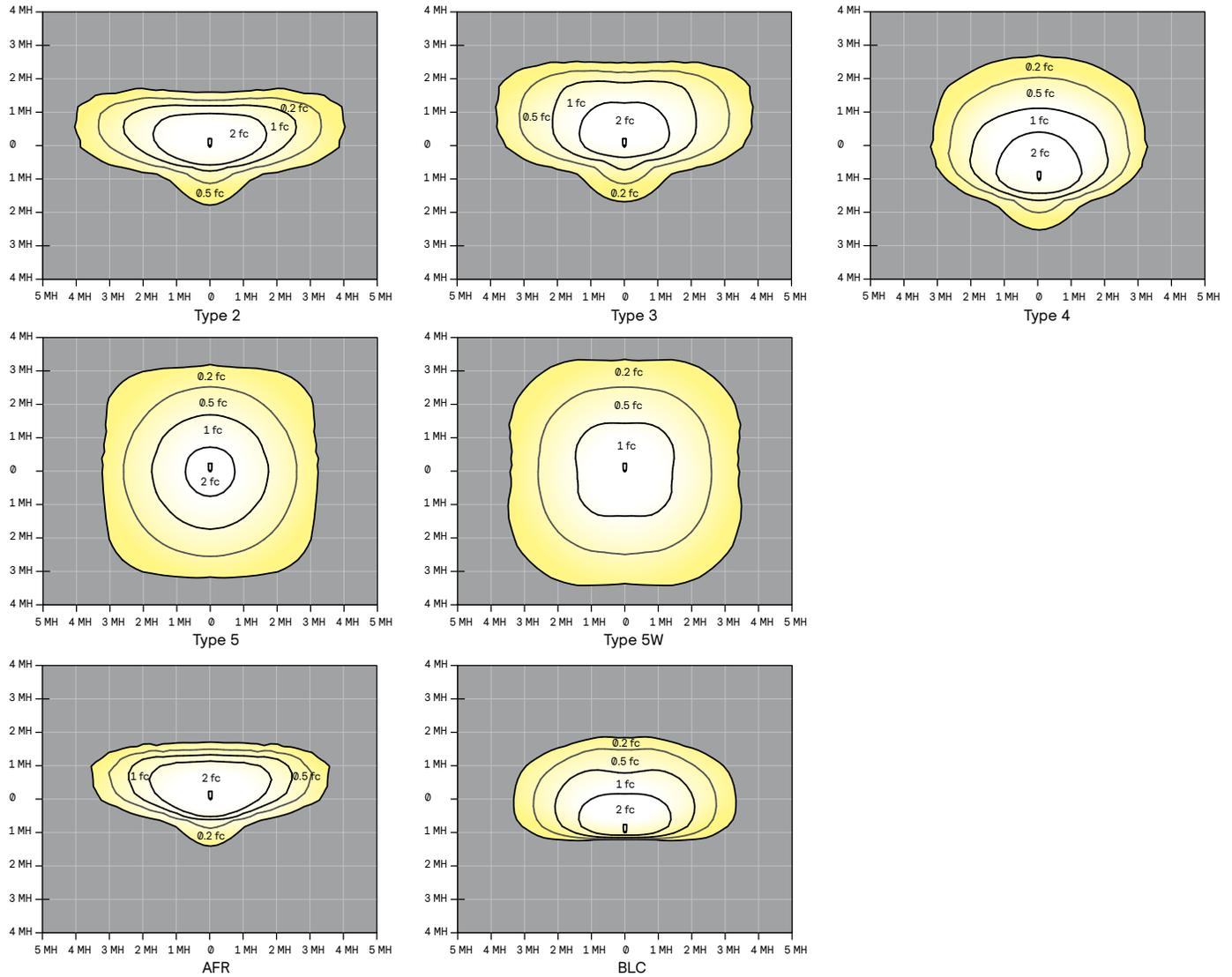


Arm mount

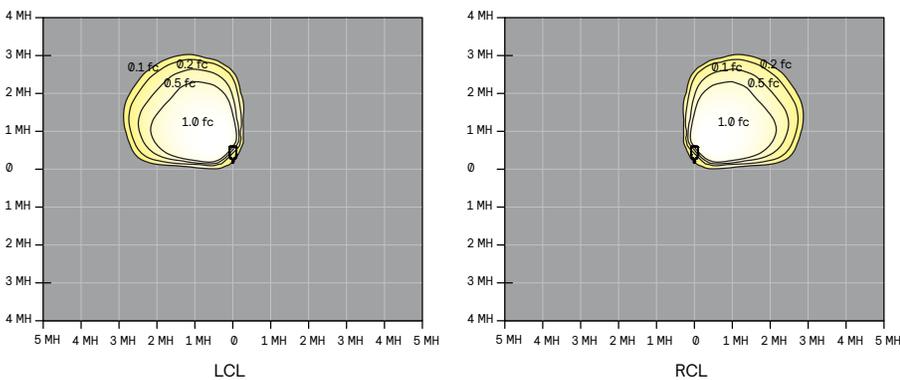


9 distributions and 5 LED configurations

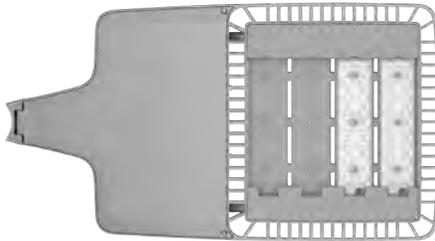
Based on configuration ECF-L-96L-1.2A-NW-G2 (265W) mounted at 40ft.



Based on configuration ECF-S-48L-1A-NW-G2 (159W) mounted at 20ft.

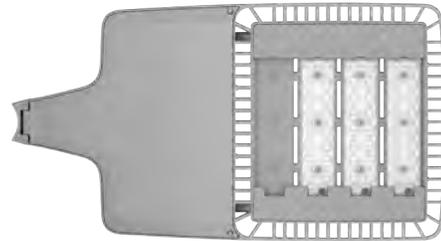


For the perfect amount of light



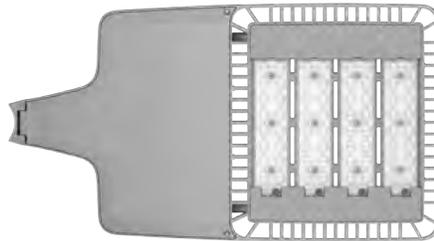
ECF-S-32L 2 module luminaire

365mA, 40W, 5,400-6,100 lms
530mA, 56W, 7,100-7,900 lms
700mA, 73W, 9,050-10,200 lms
1A, 106W, 12,700-14,400 lms
1.2A, 122W, 14,100-15,900 lms



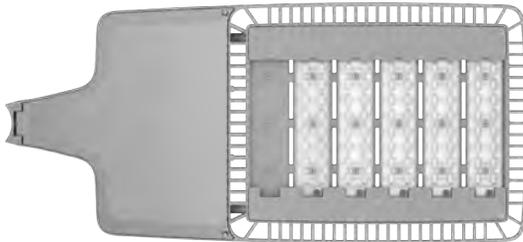
ECF-S-48L 3 module luminaire

900mA, 135W, 16,750-18,900
1A, 159W, 18,950-21,500
1.2A, 183W, 21050-23800



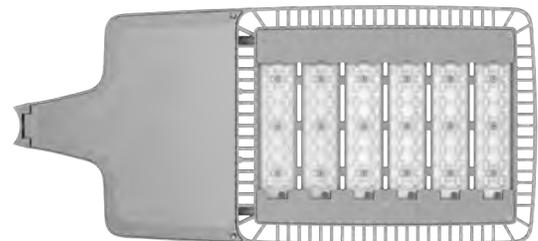
ECF-S-64L 4 module luminaire

900mA, 178W, 22,200-25,100
1A, 206W, 25,000-27,800



ECF-L-80L 5 module luminaire

900mA, 225W, 27,800-30,700
1A, 265W, 31,400-34,600
1.2A, 289W, 34,600-38,200



ECF-L-96L 6 module luminaire

800mA, 238W, 30,000-33,150
1A, 316W, 37,400-41,300
1.2A, 365W, 40,700-44,900
1.4A, 422W, 44,600-52,500 lms

EcoForm features

Extended LED system life

Stylized, one piece die-cast aluminum housing with built in heat sink

Durable construction

IP66 rated optical assembly and IP65 rated electrical housing

Precisely direct light

Type 2, 3, 4, 5, 5 Wide, Auto Front Row, Back Light Control, and LEED Corner Optics (L/R) distributions available with optional factory pre-aimed rotation at 90° or 270°

Reduce light trespass

Internal and external shields available to control unwanted stray light

Variety of housing & lumen options

Two housing sizes available with 2, 3, 4, 5 or 6 LED modules

New installs & retrofit applications

Standard arm mount, retrofit arm mount, slipfitter mount and wall mount available

Service Tag

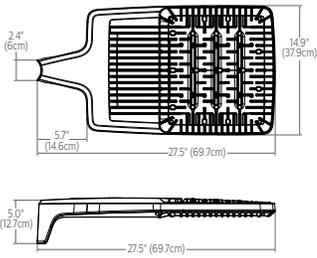
QR code labels allow for ease of maintenance and tracking



ECF-S EcoForm small

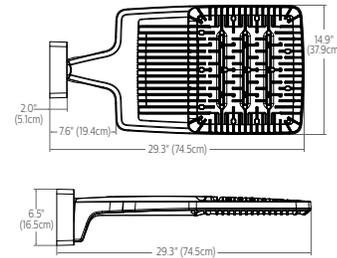
Standard Arm (AR)

Weight: 22 Lbs (9.9 Kg) EPA: 0.21ft² (.019m²)



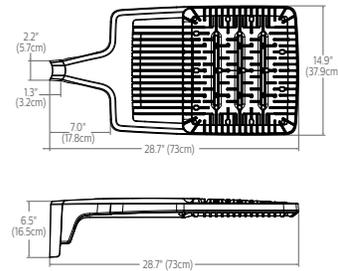
Wall (WS)

Weight: 27 Lbs. (12.2 Kg) EPA: 0.27ft² (.025m²)



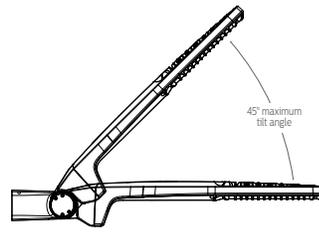
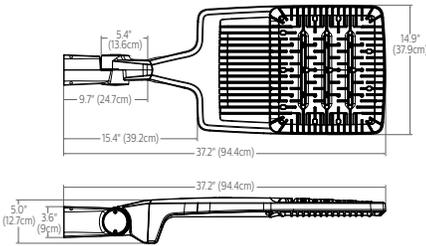
Retrofit Arm (RAM)

Weight: 24 Lbs (10.9 Kg) EPA: 0.24ft² (.022m²)

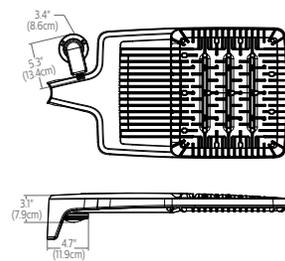


Slipfitter (SF)

Weight: 27 Lbs (12.2 Kg) EPA: 0.33ft² (.031m²)



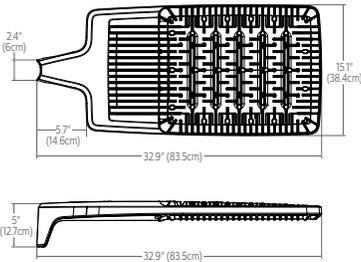
Outboard IMR-HVU sensor



ECF-L EcoForm large

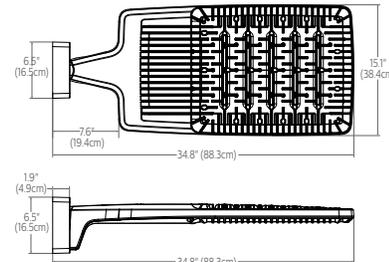
Standard Arm (AR)

Weight: 27 Lbs (12.2 Kg) EPA: 0.24ft² (.022m²)



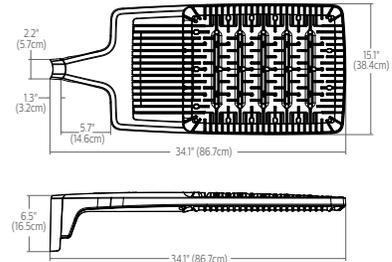
Wall (WS)

Weight: 31Lbs. (14.1 Kg) EPA: 0.31ft² (.028m²)



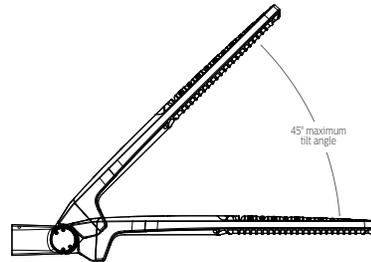
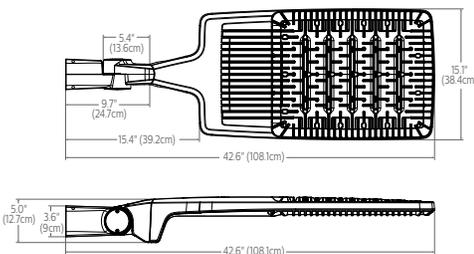
Retrofit Arm (RAM)

Weight: 29 Lbs. (13.1 Kg) EPA: 0.27ft² (.025m²)

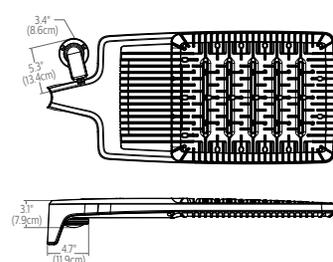


Slipfitter (SF)

Weight: 32 Lbs (14.5 Kg) EPA: 0.36ft² (.033m²)



Outboard IMR-HVU sensor



A proactive partner to build upon your success

Find out how Gardco EcoForm luminaires help you to bring short and long term value to your customers. Contact your local Sales Representative for a personal demonstration or visit gardcolighting.com for more information.

