

GARDCO

by **signify**

Solar lighting

SolarForm



**An all-in-one
solar solution with style**

Why Gardco for Solar?

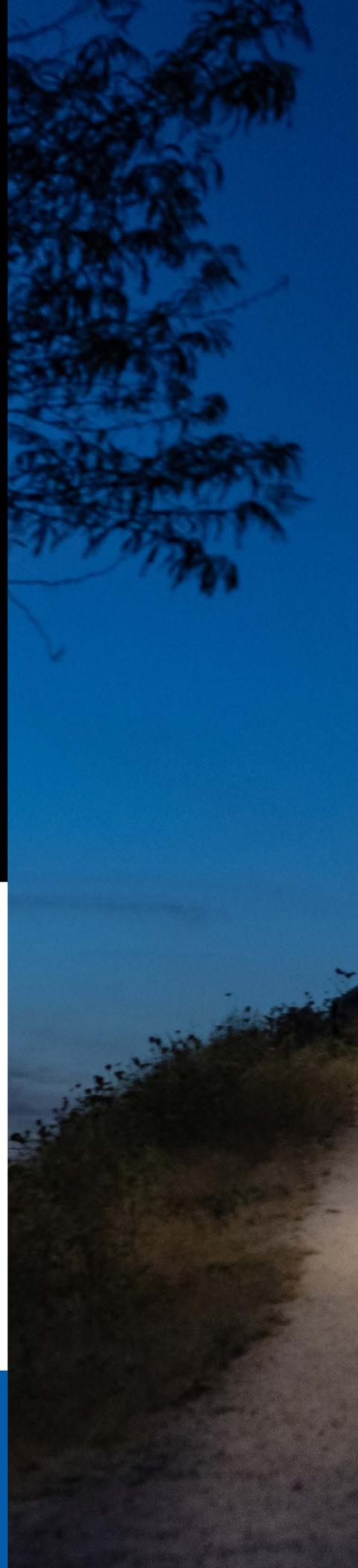
Gardco, a trusted brand in outdoor lighting for over 60 years, is unlocking the benefits of solar lighting, a key part of our commitment to sustainability. Utilizing proven technology in use by Signify across the globe, Gardco is excited to bring this solution to North America. We want to empower our customers to move to cleaner technologies and extend their reach into areas where conventional lighting solutions are not possible.

SolarForm is an integrated solar solution with a Lithium Iron Phosphate battery, solar panel, and charger built into the luminaire. It features a die-cast aluminum housing for sturdiness and long life, while offering high brightness illumination with low blackout risk to help pedestrians feel more secure. Optional motion sensors and multiple dimming profiles adjust the lighting based on occupancy, making it a truly sustainable solar lighting solution.

SolarForm benefits:

- All-in-one solution
- Environmentally friendly
- Pleasing aesthetics
- Quick installation
- No trenching

Let Gardco SolarForm luminaire help solve your next lighting challenge. Visit www.gardcolighting.com/solarform to find out more!





Product details



Easy to install

All in one construction, adjustable tilt angles of 0 to 15 degrees, vertical or horizontal tenon, no trenching required.



Long product life plus a sense of security

Sturdy die-cast aluminum construction and LiFePO₄ battery. Reliable outdoor lighting helps make pedestrians feel more secure and may help deter crime.



Save money

Solar solutions mean lower electric bills and can help you take advantage of government rebates and tax incentives.



Environmentally friendly

Solar lighting is extremely clean, with a minimal carbon footprint, helping protect the future of our environment.



Motion sensing

Built in PIR sensor can detect motion to save energy by dimming.



Quick shipping

Select products are stocked for fast and easy shipping.



High efficacy

High luminous efficacy of 175 lm/Watt to maximize battery performance.



Install almost anywhere

No area is too remote when the power comes from the sun. Ideal for a wide range of applications.

- Residential street lighting
- Military establishments
- Industries
- Schools
- Rural areas
- Parks and pedestrian walkways
- Waterfronts
- Corporate campuses



1 Solar panel

Mono / Poly Crystalline Silicon are used to maximize solar radiation energy and the longevity of the PV.

2 Replaceable battery

Replaceable Lithium Iron Phosphate battery for long life and hassle free operations.

3 Durable construction

One-piece die-cast aluminum housing

4 MPPT charge controller

Highly efficient, integrated microprocessor based MPPT charge controller with driver mounted on the same board to minimize power loss

5 IP65 rated housing

Water, dust, and corrosion resistant to withstand extreme weather conditions, IP65 certified, 1000 hrs salt spray tested

6 Self-diagnostics

Self-diagnostic capabilities with LED indicators for battery charging, discharging & on/off

7 Type 2 optics

Performance tested per LM-79 and TM-15 (IESNA)

8 Motion sensor

Factory set dimming profile along PIR sensor for run time maximization

9 Switch

Master power switch ON/OFF

10 Specialized mounting bracket

Pole mounting bracket with adjustable tilt angles of 0 to 15 degrees, which can be used with vertical or horizontal tenons

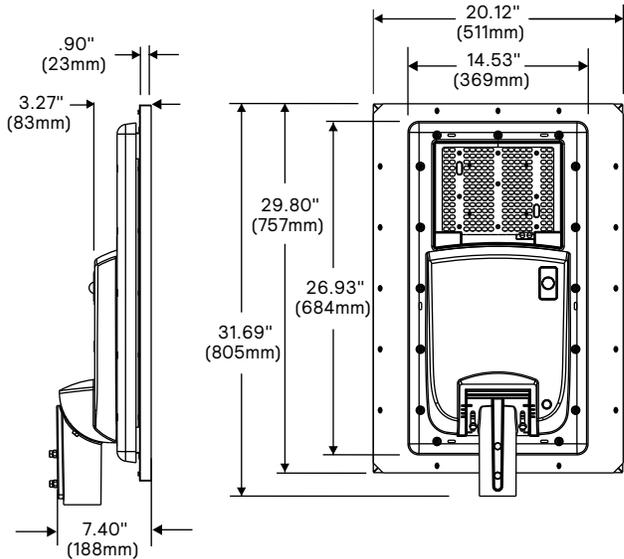
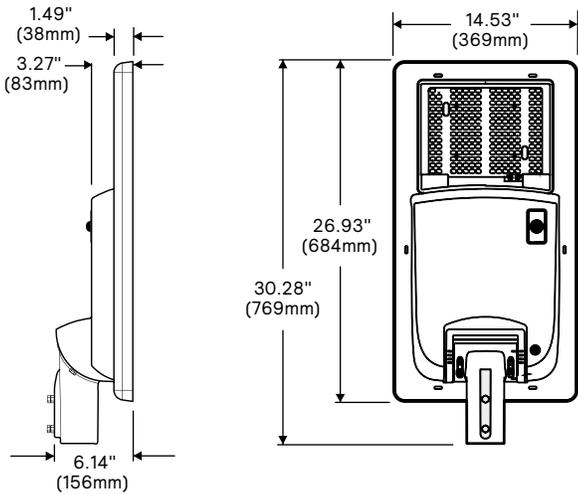


Dimensions, distributions, and dimming profiles

2000 and 3000 lumen model



4500 lumen model



Weight

2000L: 19.8 lbs (9 Kg)
3000L: 23.1 lbs (10.5Kg)

Effective Projected Area (EPA):

2000-3000L: .683 ft² (.063 m²)

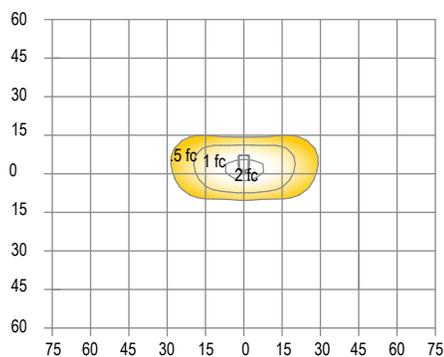
Weight

4500L weight: 41.9 lbs (19 Kg)

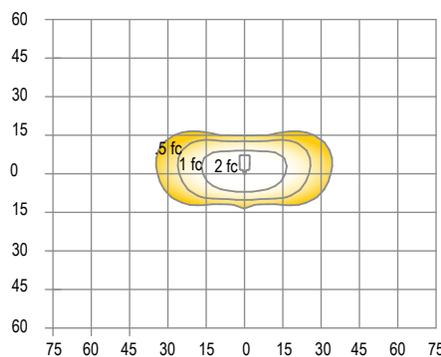
Effective Projected Area (EPA):

4500L: .832 ft² (.077 m²)

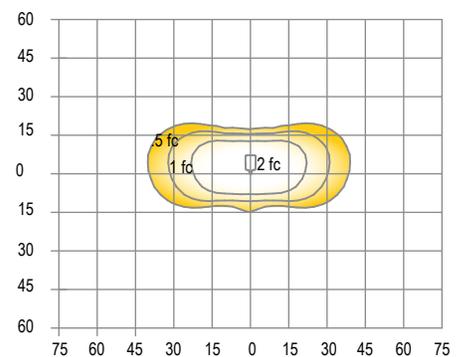
Based on mounting height of 15ft (Dimensions below are in ft)



2000 lumen model



3000 lumen model



4500 lumen model

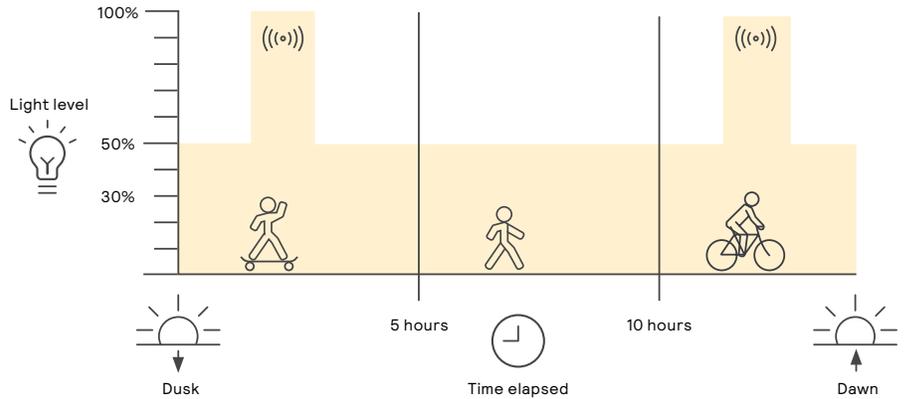
Profile 1 – Energy Savings Priority

(PDIM50 for 2000 lumen models only)

First 5 hours from dusk, **motion sensor enabled**, and light level is at **50%** if there is no presence detected.

Next 5 hours, **motion sensor disabled**, and light level fixed at **50%**.

Remaining hours to dawn, **motion sensor enabled**, and light level is at **50%** if there is no presence detected.



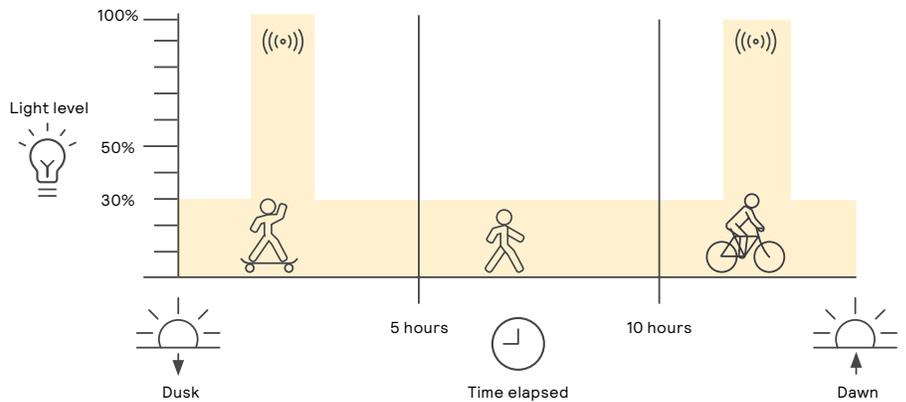
Profile 2 – Energy Savings Priority

(Default for 3000 and 4500 lumen models only)

First 5 hours from dusk, **motion sensor enabled**, and light level is at **30%** if there is no presence detected.

Next 5 hours, **motion sensor disabled**, and light level fixed at **30%**.

Remaining hours to dawn, **motion sensor enabled**, and light level is at **30%** if there is no presence detected.

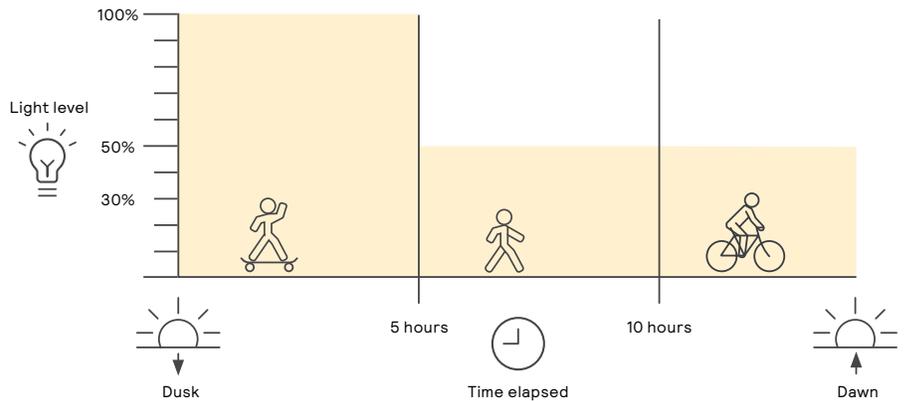


Profile 3 – Light Output Priority

(FDIM50 for 2000 lumen models only)

First 5 hours from dusk, **no motion sensor**, and light level is fixed at **100%**.

Remaining hours to dawn, **no motion sensor**, and light level is fixed at **50%**.



Profile 4 – Light Output Priority

(FDIM for 3000 and FD30 for 4500 lumen models only)

First 5 hours from dusk, **no motion sensor**, and light level is fixed at **100%**.

Remaining hours to dawn, **no motion sensor**, and light level is fixed at **30%**.

