



Carmanah EverGEN Solar LED Lighting Operating Profiles FAQ

What is an operating profile?

An operating profile determines how the light will behave. It allows for the light to be dimmed or turned off completely during times when facility usage is reduced. Operating profiles can incorporate occupancy sensing in the EverGEN 1500 and Advanced Occupancy Sensing in the EverGEN 1700 to switch on and off or between high and low intensities.

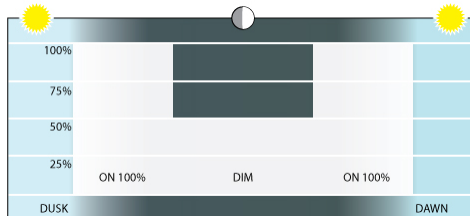
What kinds of operating profiles are available?

There are eight categories of operating profiles available. The first two categories do not use motion sensor, the other six do.

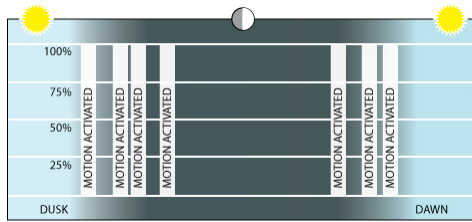
1. Fixed Night – The light comes on at dusk at full intensity for a fixed number of hours and then turns off. Dusk to dawn operation (light on at full intensity all night) is available within the fixed night operating profile category.



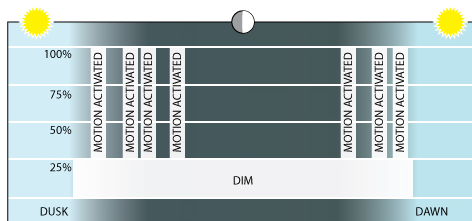
2. Split Night – The light comes on at dusk at full intensity for a fixed number of hours, then dims to a percentage of full intensity for a fixed number of hours, the light then returns to full intensity for a fixed number of hours before dawn.



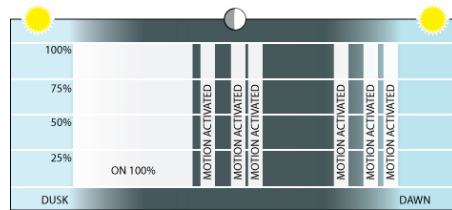
3. **Off/On** – light remains off unless activated by the occupancy sensor.



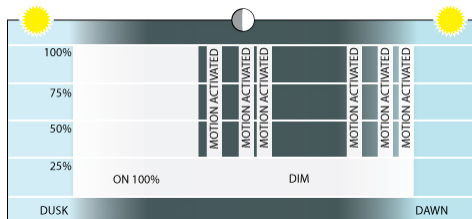
4. **Low/High** – light remains on at percentage of full intensity until activated by the occupancy sensor to 100% intensity.



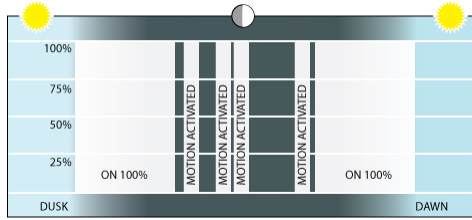
5. **Fixed Night + Off/On** – light comes on at dusk at 100% intensity for a set number of hours – then comes on at 100% intensity only when motion detected – otherwise light remains off.



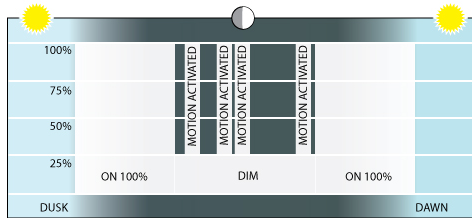
6. **Fixed Night + Low/High** – light comes on at dusk at 100% intensity for a set number of hours – then light remains on at percentage of full intensity until activated by the occupancy sensor to 100% intensity.



7. **Split Night + Off/On** – light comes on at dusk at 100% intensity for a set number of hours – then light comes on at 100% intensity only when motion detected – then light comes back on at 100% intensity for a set number of hours before dawn.



8. Split Night + Low/High – light comes on at dusk at 100% intensity for a set number of hours – then light remains on at a percentage of full intensity until activated by the occupancy sensor to 100% intensity – then light comes back on at 100% intensity for a set number of hours before dawn.



Why are there so many operating profiles listed?

For each of the eight operating profile categories there are multiple options for the time duration, maximum number of activations and low intensity settings.

How is the operating profile adjusted?

The operating profile is factory set and specified at the time of order. The profile can be adjusted in the field, but Carmanah strongly recommends contacting a Carmanah representative prior to changing any preset profiles to ensure the continued reliable operation of the light.

What is the purpose of incorporating operating profiles into a Carmanah EverGEN lighting system?

Incorporating operating profiles and/or occupancy sensing profiles into a Carmanah solar LED lighting system allows for the most efficient and effective use of available energy. By dimming or turning lights off when light is not needed, or by illuminating the area only when motion is detected, energy is conserved and light levels are maximized. This allows for smaller system size and lower system cost.