



Guide to:

# Bus Stop Lighting

Presented by:



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# Introduction

Bus stops and shelters provide security to travelers of a community that are using public transportation. The lighting can also be used to light bus schedules, routes, additional important information and even Ads located in Ad boxes.

This eBook will explain the why's, where's and how's of bus stop lighting. By the end of this eBook you will have a better understanding of lighting of different types of bus stop and shelters and their requirements, and how solar lighting can fit bus stop lighting requirements with ease.

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# Why to implement

Bus stop lighting produces quick, accurate and comfortable visibility at night. It allows travelers to feel safer instead of standing in the dark waiting on the next bus. By providing good visibility also provides social and economic benefits such as:



- Ability to see upcoming schedules and important information regarding the bus transit line
- Aid security and police protection
- Improve safety and security of travelers

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# Where to implement

## *Bus Stops*

Transit companies provide bus stops to the travelers using their transit system. Bus stops need to provide lighting for the safety and security of travelers waiting for their next bus. Good lighting lowers theft and vandalism rates, provides a sense of safety and security.



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# Where to implement

## ***Bus Shelters***

Bus shelters are one of the top areas for theft and vandalism since they are known to have reduced or no lighting and more areas with lower visibility. LED lighting fixtures provide much better illumination to help improve security for travelers waiting for the next bus.



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# How to implement

High powered LED fixtures can be used to provide optimum lighting levels for the application. SEPCO works with Hubbell Outdoor Lighting to provide different distribution patterns for every project maximizing the light output of each fixture.

Since uniformity is key, creating a lighting layout for the application will provide the necessary information on the number and type of fixture required for the needed luminance for visibility.



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# How to implement

Since solar bus stop lights are self-contained, installation will be a snap. Installing the solar power assembly and light fixture will take less time and will not require additional trenching. This saves on costs and allows for the lighting to be implemented more quickly. It can also easily be installed on an existing structure.



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# Solar Bus Stop Lighting Benefits

Solar lights that are in production for commercial applications such as bus stop and bus shelters have a higher up front cost, but they will pay for themselves immediately when looking at the total costs on installation for new construction. These systems provide lighting for specific applications with different run time settings. They also provide many days of stored power to



provide continuous reliability, even during times of inclement weather.

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# Solar Bus Stop Benefits



Each system is built for the type and wattage lamp that will be utilized for the specific application. A

large bus shelter will take much more power than lighting a small bus stop. That makes the commercially manufactured solar lights more versatile to adapt from one job to the next. They range from small one LED fixture that runs along a home's driveway to powerful street lights that can illuminate a 150' area.

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# Solar Bus Stop Benefits

Solar lighting also has many excellent qualities. It is a green alternative to traditional lighting, it is low cost and practically maintenance free, and there is no power bill associated with utilizing solar since the power is not coming from the grid. Solar is also low voltage which makes it much safer to install and operate. Finally, solar lighting is renewable and promotes sustainability; its only requirement is the sun for operation.



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**One of our solar specialists  
would be happy to help you  
choose the best option for  
your bus stop lighting needs  
and provide clean,  
renewable solar energy!**

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Lighting Can  
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An Amazing  
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