

Outdoor Lighting Basics from the International Dark Sky Association



Always choose fully shielded fixtures:

UNSHIELDED	SHIELDED
<p>Unshielded Bollards</p>	<p>Fully Shielded Walkway Bollards</p>
<p>Unshielded Barn Light</p>	<p>Fully Shielded Barn Light</p>
<p>Unshielded 'Period' Style Fixtures</p>	<p>Fully Shielded 'Period' Style Fixtures bulb shielded in opaque top</p>
<p>Unshielded PAR Floodlights</p>	<p>Shielded / Properly-aimed PAR Floodlights</p>
<p>Unshielded Wallpacks</p>	<p>Fully Shielded Wallpack & Wall Mount Fixtures</p>

- Look for the Fixture Seal of Approval Visit darksky.org/FSA
- Look for products with **adaptive controls** like dimmers, timers, and motion sensors
- Consider dimming or turning off the lights during overnight hours
- Avoid the temptation to **over-light** because of the higher luminous efficiency of LEDs.
- Only light the exact space and in the amount required for particular tasks

Use "warm-white" or filtered LEDs < 3,000 Kelvin

Learn more about smart outdoor lighting at:
volt.org
darksky.org
friendsofbrookside.org

Lighting Facts

Per Bulb

Brightness 655 lumens

Estimated Yearly Energy Cost \$1.08

Based on 3 hrs/day, 11c/kWh. Cost depends on rates and use



Life 22.8 years

Based on 3 hrs/day

Light Appearance



Energy Used 9 watts