

PROTECT THE NIGHT

Light pollution negatively impacts

human health
wildlife behavior
ability to see celestial objects



Light Pollution interferes with stargazing

The Bortle Scale measures the night sky brightness (BT is a 4)

Light pollution harms wildlife

Light pollution can mimic, mask or confuse natural light signals, causing:

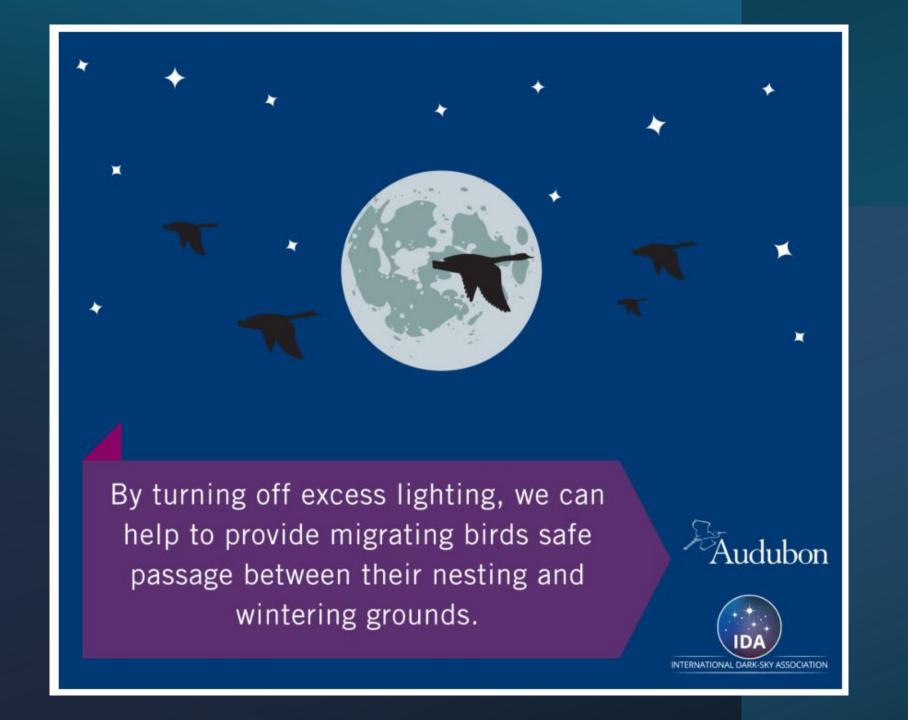
mistimed activity, growth or breeding

disturbed sleep and circadian rhythms disorientation and poor navigation

attraction to artificial lights

encounters with new predators

reduced survival and reproduction



Simple improvements

Use Yellow /
Amber colored
bulbs in outdoor
fixtures

Only turn on outdoor lights when needed

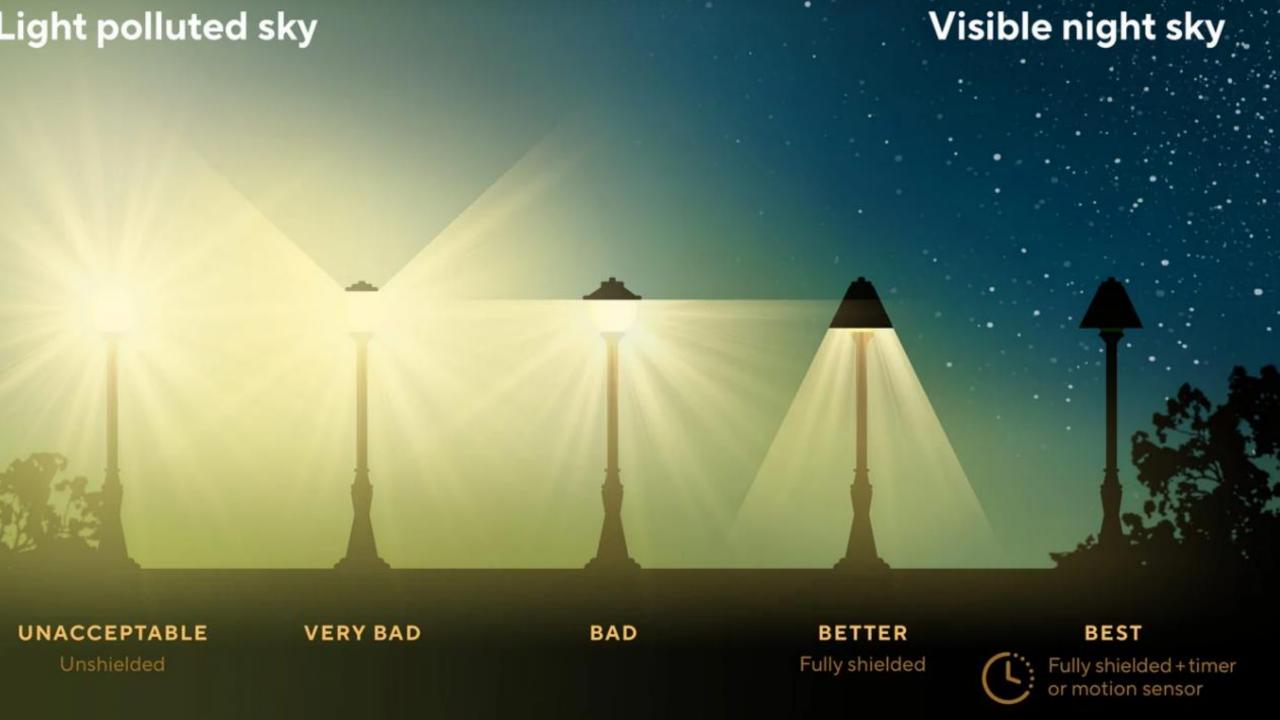
DARK SKY LIGHTING CAN HELP



Link to DarkSky.org 20% to 50% of outdoor residential lighting goes directly into the sky and contributes to light pollution due to poor shielding. Improve your home with 'dark sky' lighting fixtures available at stores like Home Depot, Amazon, Perigold, etc...

Be aware that some claim to be dark sky compliant when they are not. Dark Sky compliant fixtures are fully shielded and do not emit light above the horizontal plane.





Five Lighting Principles for Responsible Outdoor Lighting





1 Useful

Use light only if it is needed

All light should have a clear purpose. Consider how the use of light will impact the area, including wildlife and their habitats.



2 Targeted

Direct light so it falls only where it is needed

Use shielding and careful aiming to target the direction of the light beam so that it points downward and does not spill beyond where it is needed.



3 Low Level

Light should be no brighter than necessary

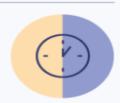
Use the lowest light level required. Be mindful of surface conditions, as some surfaces may reflect more light into the night sky than intended.



4 Controlled

Use light only when it is needed

Use controls such as timers or motion detectors to ensure that light is available when it is needed, dimmed when possible, and turned off when not needed.



5 Warm-

Use warmer color lights where possible

Limit the amount of shorter wavelength (blue-violet) light to the least amount needed.



Light trespass (Spillover):



Poor Lighting Reduces Safety and Security

Glare from bright, unshielded lights actually decreases safety. See how glare in the closest photo makes it hard to see the man at the gate? Glare creates deep shadows, making it more difficult to see. The bright light shines into your eyes, constricting your pupils. This diminishes your eyes' ability to adapt to low-light conditions. So, is that bright light really making this area safer?

