



# STARS UP

# LIGHTS DOWN

## What You Can Do!

☆ **Check the outdoor lighting where you live and work.**

Do you have the right amount of light ... in the right place ... at the right time? Is it shielded from the sky and from people's eyes? If not, shield the lights, point them down, replace them with fully shielded fixtures, or remove them if they're not needed.

☆ **Look for the Stars Up-Lights Down tags on display fixtures at lighting retailers.** Properly installed, these lighting fixtures are "star-friendly."

☆ **Contact the Flagstaff Dark Skies Coalition.**

We will be happy to help you find solutions to your lighting problems.



## ☆ Who Are We? ☆

Flagstaff Dark Skies Coalition is a community-wide alliance of citizens, businesses and organizations to celebrate, promote, and protect the glorious dark skies of northern Arizona.

The Coalition is a section of the Tucson-based non-profit International Dark-Sky Association (IDA). IDA's goal is to be effective in stopping the adverse environmental impact of light pollution through education about the value and effectiveness of quality nighttime lighting. Check out the IDA website at <http://www.darksky.org>.

## ☆ Why Do We Care? ☆

Flagstaff is the home of Lowell, U.S. Naval and other astronomical observatories. Northern Arizona's dark skies are their greatest natural resource and an inspiration to all of us.

Coconino County and the City of Flagstaff have sought to protect our dark skies through a series of comprehensive outdoor lighting ordinances. But we are all losing the battle to a "thousand points of light pollution"—porch lights left on all night, excessive security lighting, and unshielded lights.

Excessive nighttime lighting has been shown to have a negative impact on the health of plants and animals, including humans. With your help we can reverse this trend, and bring back to all of us the health, beauty and magic of a deeply starry night.

Funding for the Stars Up/Lights Down Campaign is provided by the Flagstaff Community Foundation.

**Flagstaff Dark Skies Coalition**  
PO Box 1892 ☆ Flagstaff, AZ 86002  
Website: <http://www.infomagic.net/fdsc>  
E-mail: [darks skies@flagstaff.az.us](mailto:darks skies@flagstaff.az.us)

*A community campaign to restore northern Arizona's skies through good lighting practices.*

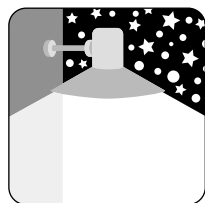
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**Flagstaff Dark Skies Coalition**

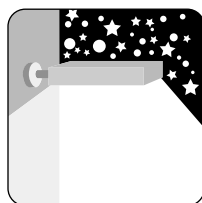
# Which Light Is Right?

## The Good ...

Shielded lights put the light down onto the ground where it's needed.

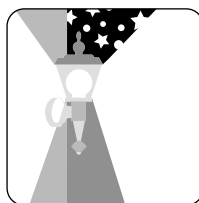


*Opaque reflectors with lamp inside and hooded flood lights aim light at the ground.*



## The Bad ...

Unshielded fixtures waste energy into the night sky, veil the stars, and reduce real visibility through glare.

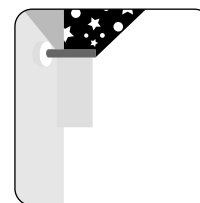


*Carriage lanterns and quartz-halogen flood lamps spread light everywhere.*



## The Ugly!

Open fixtures trespass on your neighbors and light up the bellies of bats!



*Wall packs and yard/barn lights outshine the stars!*



*Be a good neighbor...*

*Put outdoor lighting WHERE it's needed... WHEN it's needed... in the AMOUNT needed!  
Quality lighting effectively gives you the visibility you need while protecting your neighbors' views and our beautiful night sky.*