



CAMBRIA DARK SKIES CERTIFICATION INITIATIVE

SIDEWALK ASTRONOMY

Friday APRIL 22nd, 2022

7:30 pm - 9:30 pm



**Sponsored by Beautify Cambria's Dark Sky Initiative Group
and local amateur Astronomers**

Help us celebrate International Dark Sky Week and EARTH DAY

on Friday April 22nd, 2022 from 7:30 pm to 9:30 pm

Don't miss this impromptu stargazing event located at the
CAMBRIA HISTORICAL MUSEUM grounds on the corner of Burton and Center Streets.

- Telescopes will be available to share including a 24" Dobsonian
- Bring your own telescope and learn tips and techniques
from helpful amateur astronomers!
 - Set up as early as 6:30 pm
- Highschool Interact Club members will help set up and serve hot chocolate.

Poor visibility postpones event to clear skies

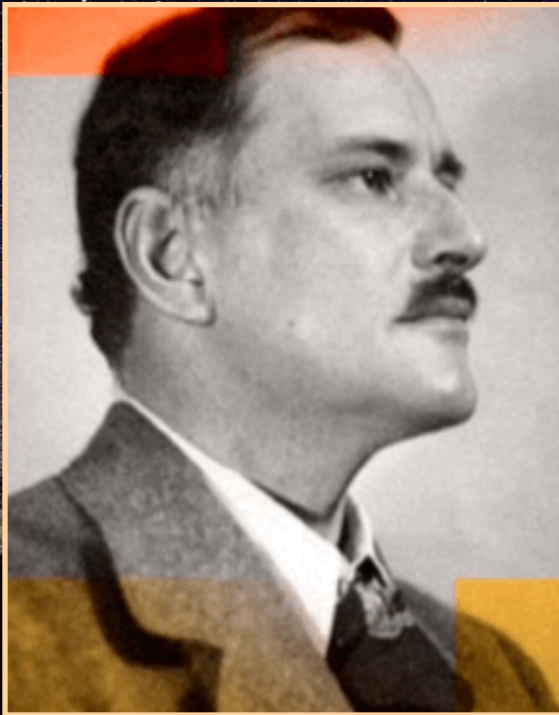
Website: <https://beautifycambria.org/projects/dark-skies>

Contact: info@beautifycambria.org



PRESERVING OUR NATURAL HERITAGE

People are drawn to Cambria by the natural beauty and the peaceful, low stress environment.



Learn to reverence night and to put away the vulgar fear of it, for, with the banishment of night from the experience of man, there vanishes as well a religious emotion, a poetic mood, which gives depth to the adventure of humanity.

— *Henry Beston* —

TWO FORMS OF LIGHT POLLUTION

1

Sky Glow

Unshielded light illuminating the sky.

2

Light Trespass

Unshielded light shining into neighbors' windows.

1

HOW SKIES COMPARE



2

BE A GOOD NEIGHBOR



Graphic by RAB Lighting

PROGRAM GOALS

- Build awareness.
- Foster community cooperation.
- Help pay for lighting fixtures or shields..
- Achieve IDA certification & international recognition.
- Position Cambria as a unique Dark Sky community.
- Encourage overnight visits by astrophotographers & hobby astronomers.

EVENTS IN SUPPORT OF PROGRAM

Dark Sky events are popular community activities that educate, build support and foster community consensus:

- Evening with the Stars, October
- Binocular Walk, February
- Meteor Party, August
- Additional events during astronomical phenomena of high interest

SECURITY BENEFITS OF SMART LIGHTING



EFFECTIVENESS OF SMART LIGHTING



WASTEFUL LIGHTING

40% Birds

10% glare

50% useful



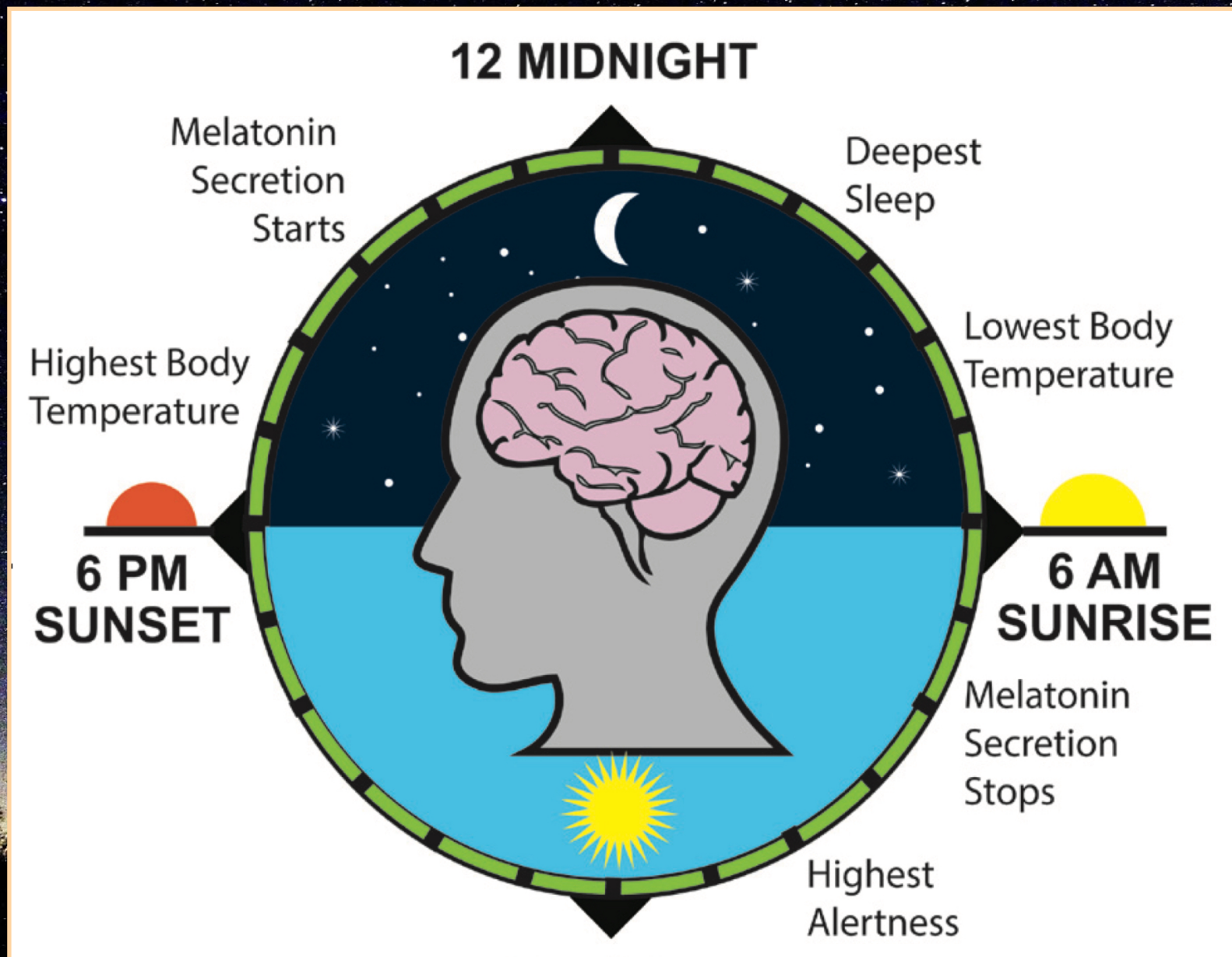
**SHIELDED
LIGHTING SAVES
OUR SKIES - AND
SAVES MONEY**

**Keep Light
on the
Ground**



Energy Efficiency Solutions

SMART
LIGHTING =
BETTER
SLEEP



BLUE LIGHT EFFECTS ON HUMAN HEALTH



DARK SKIES CERTIFICATION PROCESS

- Sponsored by the International Dark Skies Association (IDA)
- Founded in 1988, IDA is dedicated to fighting light pollution and protecting the night sky.
- Implementation is based on community awareness and cooperation.
- Broad support from a wide range of community organizations.

IMPLEMENTATION REQUIREMENTS

- General Plan amendment to update county lighting code.
- Shield outdoor lighting over 1200 lumens to focus light downward and to prevent light trespass beyond the property line.
- Use lighting with a correlated color temperature (CCT) below 3000 degrees kelvin.
- Limit total amount of unshielded lighting.
- Minimum 10 projects built under the lighting code.
- Two educational Dark Skies events per year.
- Maintain log of sky brightness.
- Submit an annual report.

HOW YOU CAN HELP

- Recognize the Cambria Dark Skies Initiative as an ongoing community project.
- Demonstrate support for Cambria Dark Skies .
 - Letter of support.

A night sky filled with numerous stars of varying brightness. A faint, multi-colored rainbow is visible in the lower portion of the sky, just above the dark silhouette of a treeline. The text "THANK YOU!" is centered in the middle of the image in a bold, yellow, sans-serif font.

THANK YOU!