

## Landscape

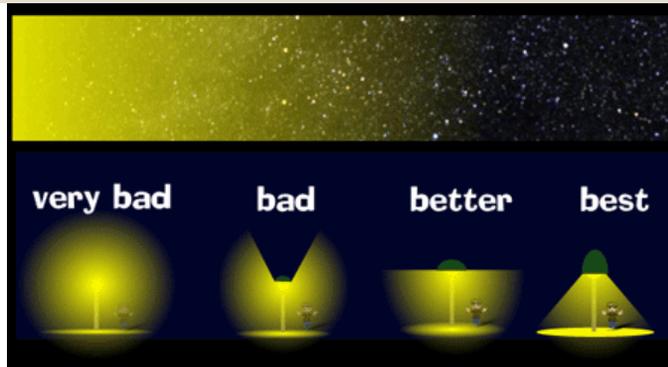
### Problem Lighting



### Smart Lighting



## Light Impacts



Source: starrynightlights.com

## NIGHT SKY & NEIGHBOR FRIENDLY LIGHTING



Graphic: RAB Lighting

## Public Spaces

### Problem Lighting



### Smart Lighting



Left—Problem lighting .

Right—Same night sky with lights turned off.

Photographs © Todd Carlson

## City of Carpinteria

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[www.carpinteria.ca.us](http://www.carpinteria.ca.us)

For more information, contact the International Dark Sky Association Santa Barbara County Chapter at:

Phone: 805-693-1386

[www.we-watch.org/focus/save-our-stars/](http://www.we-watch.org/focus/save-our-stars/)

International Dark Sky Association - [www.darksky.org](http://www.darksky.org)

Sources: International Dark Sky Association, BEGA, FX Luminaire, Glare Buster, LSI Industries, Minka Lavery, Parshield, PG&E, RAB Lighting, Starnightlights.com, Steel Partners, DarkSky.org, Sea Gull Lighting, Lowes.com, Sign-Lights.com



## Why do we care?

We often hear from people who are unable to sleep or enjoy the night because a neighbor's outdoor lighting invades their home and yard. Many do not realize how far and intensely light from unshielded fixtures can travel, causing problems beyond our own neighborhoods.



Beyond the immediate neighbor impacts, unshielded lights cause sky glow, which destroys everyone's view of the night sky. Sky glow is a problem in the Carpinteria Valley, negatively affecting night time sky visibility. Lights also affect wildlife which may be attracted or distracted. (Below: UCSB Sedgwick Reserve Observatory—glow of surrounding community)



## Why use night sky and neighbor friendly lighting?

1. Prevents light trespass and glare
2. Saves energy and money
3. Provides needed safety and security
4. Enables dark sleep for generating melatonin and supporting circadian rhythms in sync
5. Enables all to enjoy and study the night sky
6. Complies with outdoor lighting guidelines and ordinances
7. Costs no more than unshielded fixtures
8. Avoids impacts to nature

## Components of night sky and neighbor friendly lighting

1. Fully shielded light fixtures positioned so light only shines down
2. Motion sensors and/or timers so lights are on only when needed
3. Fewest number of light fixtures possible with minimum height
4. Low-wattage, energy-efficient light bulbs

### What is a fully shielded light fixture?

A fully shielded light fixture has a solid barrier or cutoff at the top of the fixture in which the bulb is located. The fixture is angled so the bulb is not visible below the barrier; no light is visible below the horizontal plane of the cutoff.



## Security

### Problem Lighting



### Smart Lighting



## Decorative

### Problem Lighting



### Smart Lighting

