

A Note about How to use this Document

This is a general, comprehensive slide deck for IDA members and supporters to use in presentations. The following slides provide an overview of the issue of light pollution, information about IDA, suggestions for audience participation, and information about solutions to the problem of light pollution. We encourage you to use appropriate slides as you see fit in public presentations.

IDA's Five Steps for (Dark Sky Presentation) Success

Step 1: Know your audience

Step 2: Define a desired outcome

Step 3: Tailor your presentation to your audience and your desired outcomes

Step 4: Practice, practice, practice (practice some more)

Step 5: HAVE FUN!

THE INTERNATIONAL DARK-SKY
ASSOCIATION

Saving Dark Skies



Name of Presenter
IDA affiliation



INTERNATIONAL DARK-SKY ASSOCIATION



“ONLY IN THE
DARKNESS CAN YOU
SEE THE STARS”

—MARTIN LUTHER KING JR.

LIGHT POLLUTION

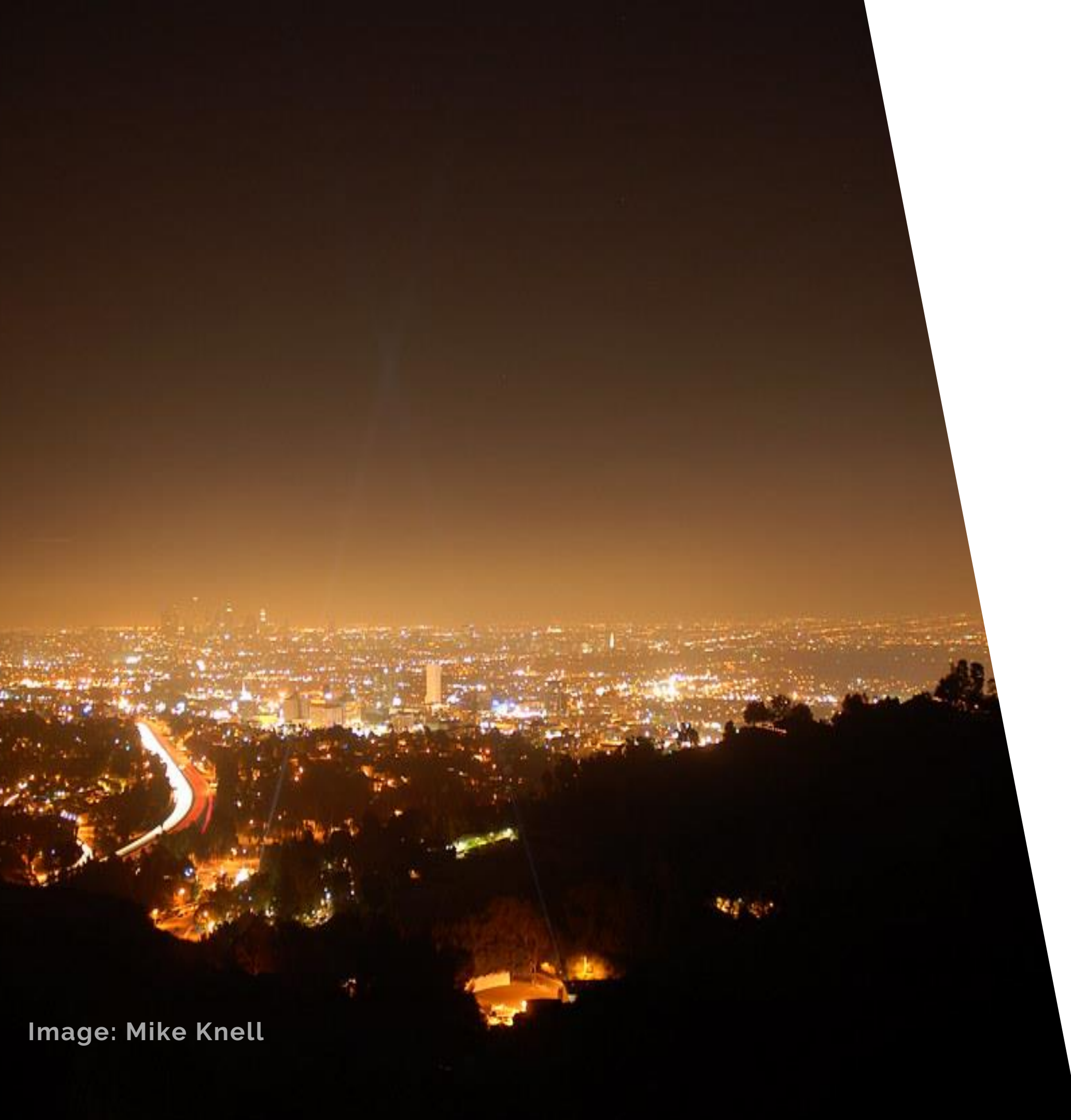


Image: Mike Knell

International Dark-Sky Association | 2019

SKYGLOW



GLARE

A photograph of a row of houses at night. The houses are illuminated by bright, warm-toned outdoor lights, likely streetlights or porch lights. The light is very intense, creating a significant glare and illuminating the surrounding area, including the snow-covered ground and the roofs of the houses. The sky is dark, and the overall scene is dominated by the artificial light. The title 'LIGHT TRESPASS' is overlaid on the right side of the image.

LIGHT TRESPASS



LIGHT POLLUTION CONSEQUENCES

ECOLOGICAL IMPACTS

TURTLES

cannot find their
way to the sea



KELLIE PENDOLEY

BIRDS

Get confused
in the light



TREES

bud earlier and
lose their leaves
later under artificial
light

ENERGY WASTE



3-7 BILLION DOLLARS

spent every year on unneeded lighting

21 MILLION TONS OF CO₂

burned by unnecessary lighting

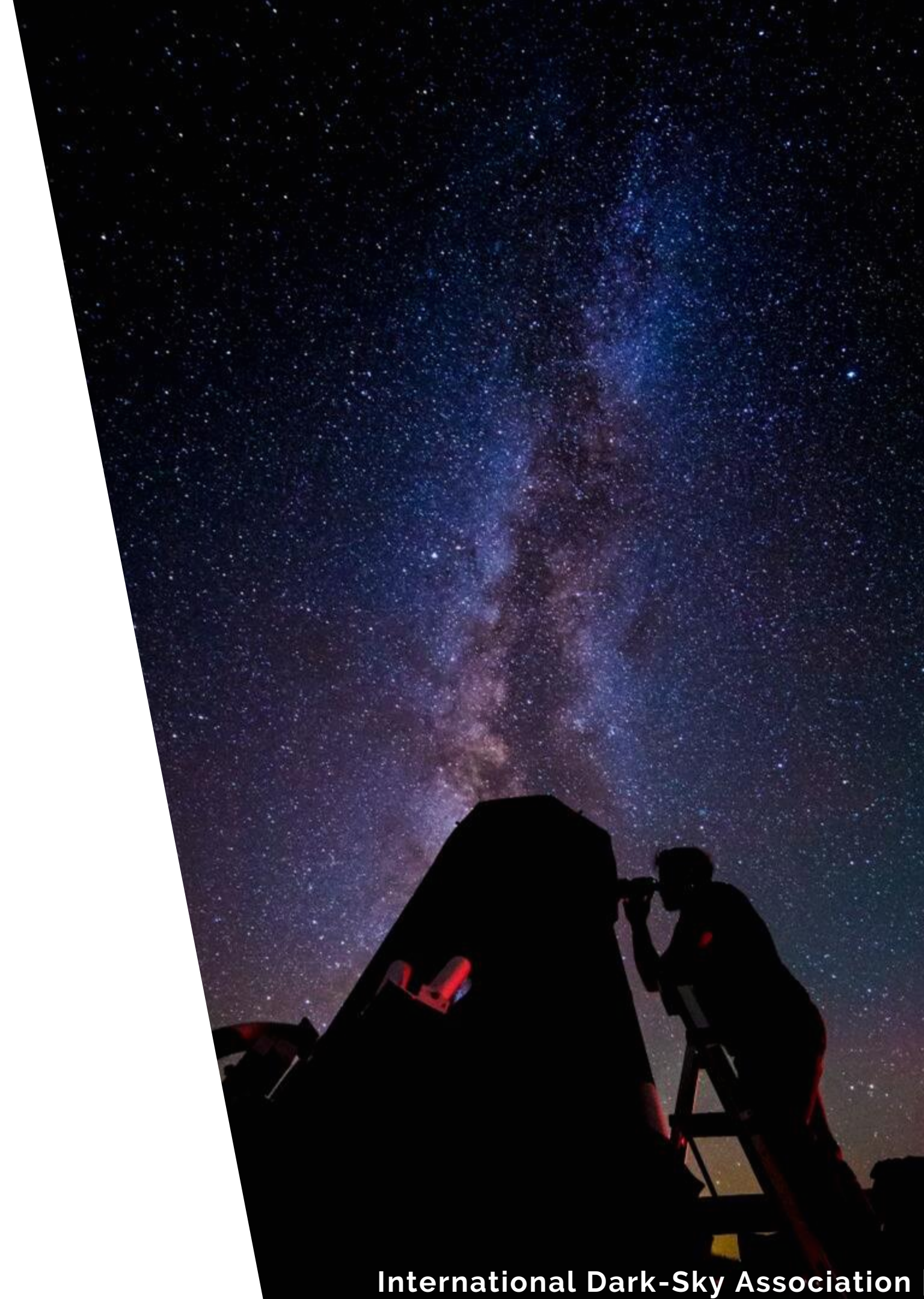
HUMAN HEALTH

MELATONIN

hormone that regulates sleep wake cycle
(circadian rhythm)

AMERICAN MEDICAL ASSOCIATION

Human and Environmental Effects of Light
Emitting Diode Community Lighting 2016
report



HERITAGE OF DARK SKIES



INSPIRATION

DARK NIGHT SKIES HAVE INSPIRED PEOPLE
THROUGHOUT HUMAN HISTORY

ACTIVITY

MAGLIGHT DEMO



FIND THE POTENTIAL STALKER

A night scene of a residential yard. On the left, a bright, warm light source, possibly a porch light, illuminates a brick wall and a small tree. A concrete walkway leads from the bottom center towards a dark, wooden fence in the background. The sky is dark, and the overall atmosphere is mysterious.



**MYTH: MORE
LIGHTING IS SAFER**



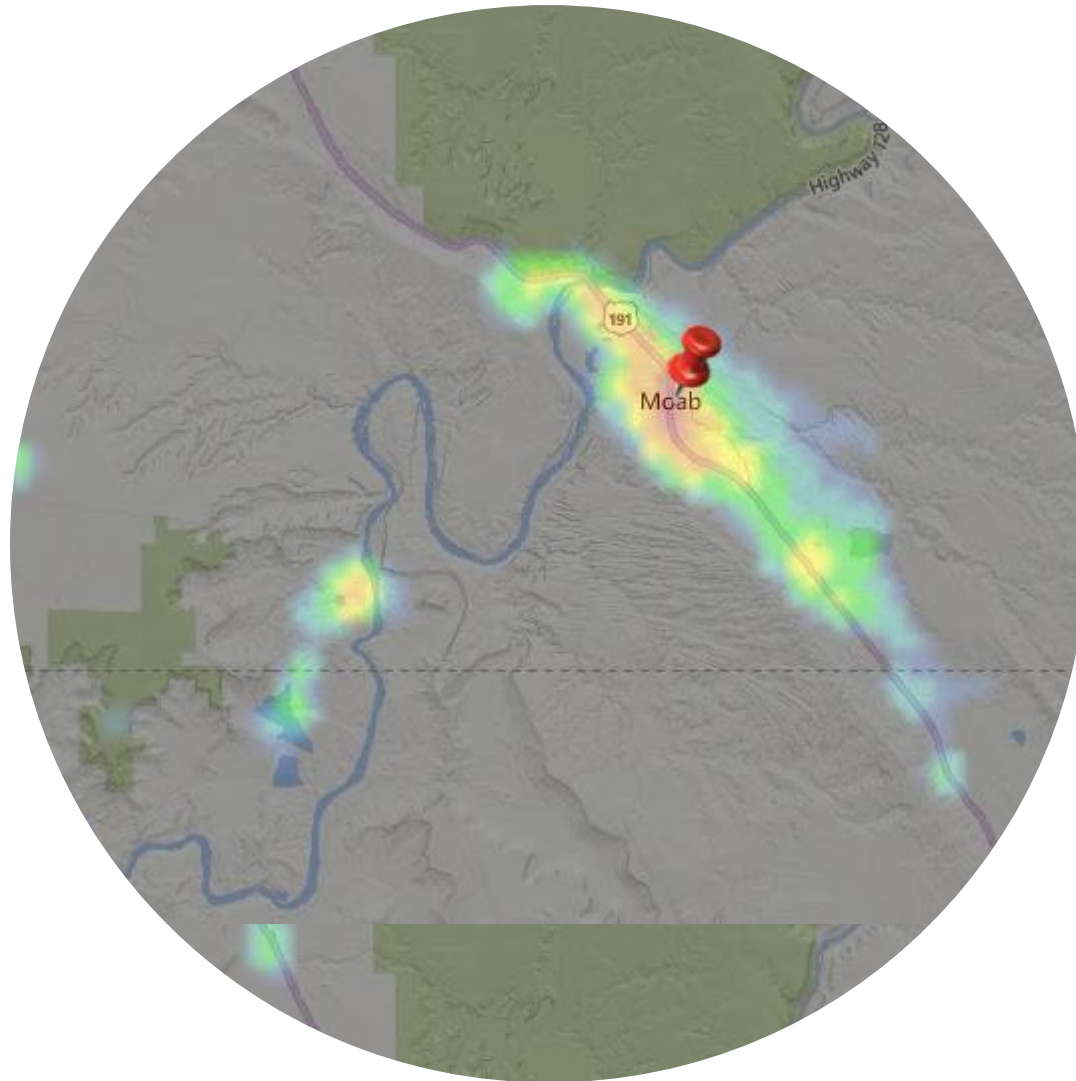
**REALITY: WELL DESIGNED
LIGHTING IS SAFER**



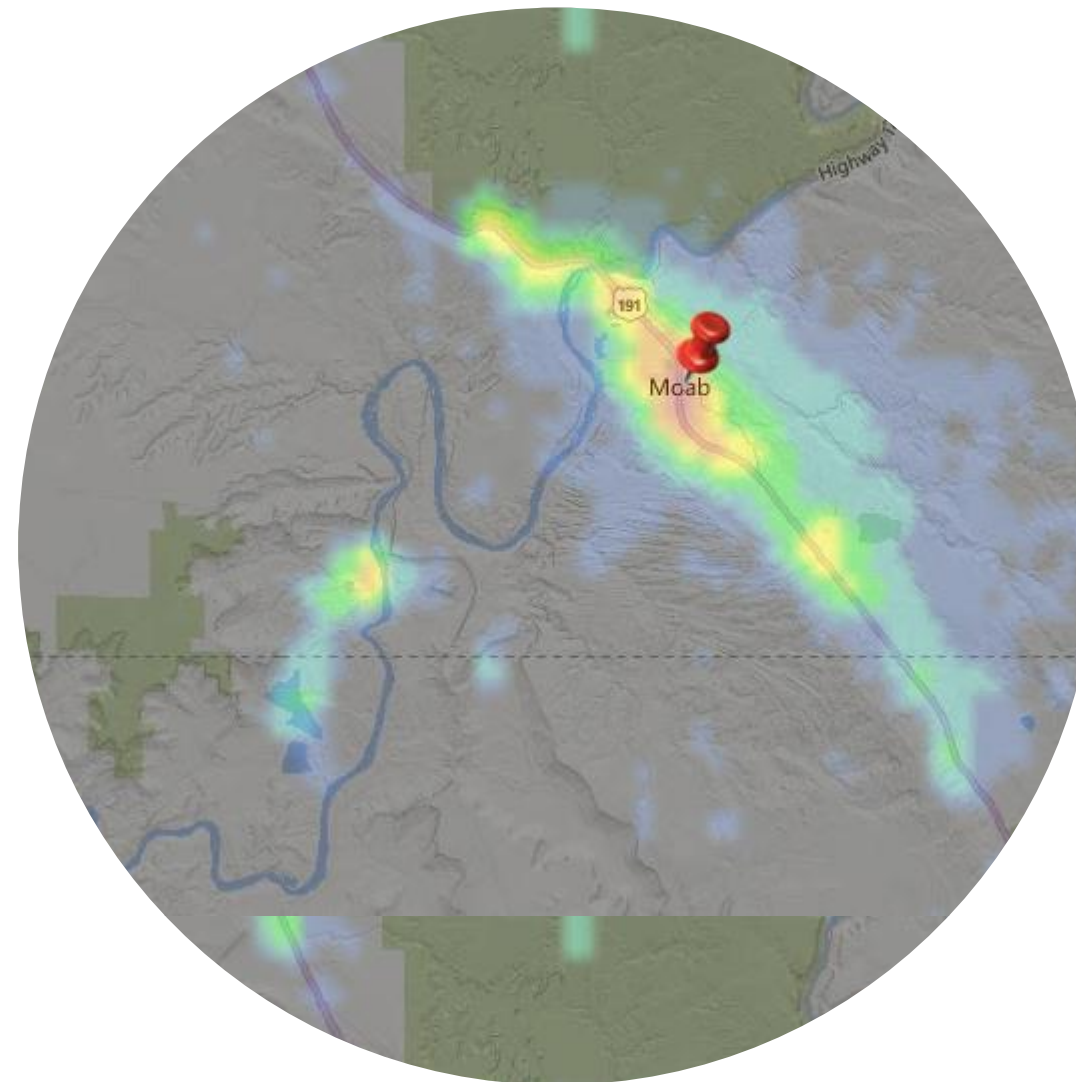
Light pollution is increasing at 2 % per year

MOAB

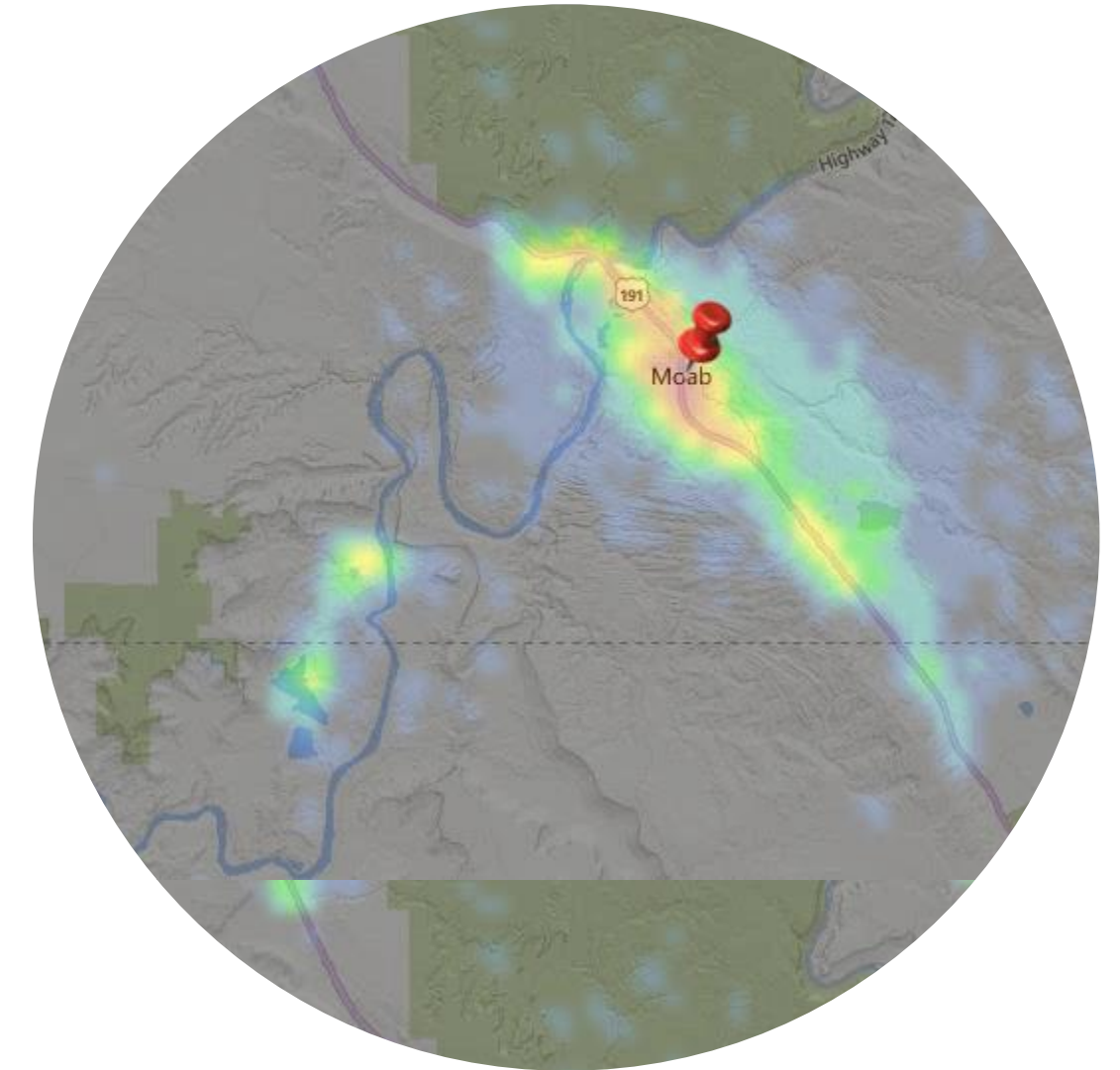
2016



2017



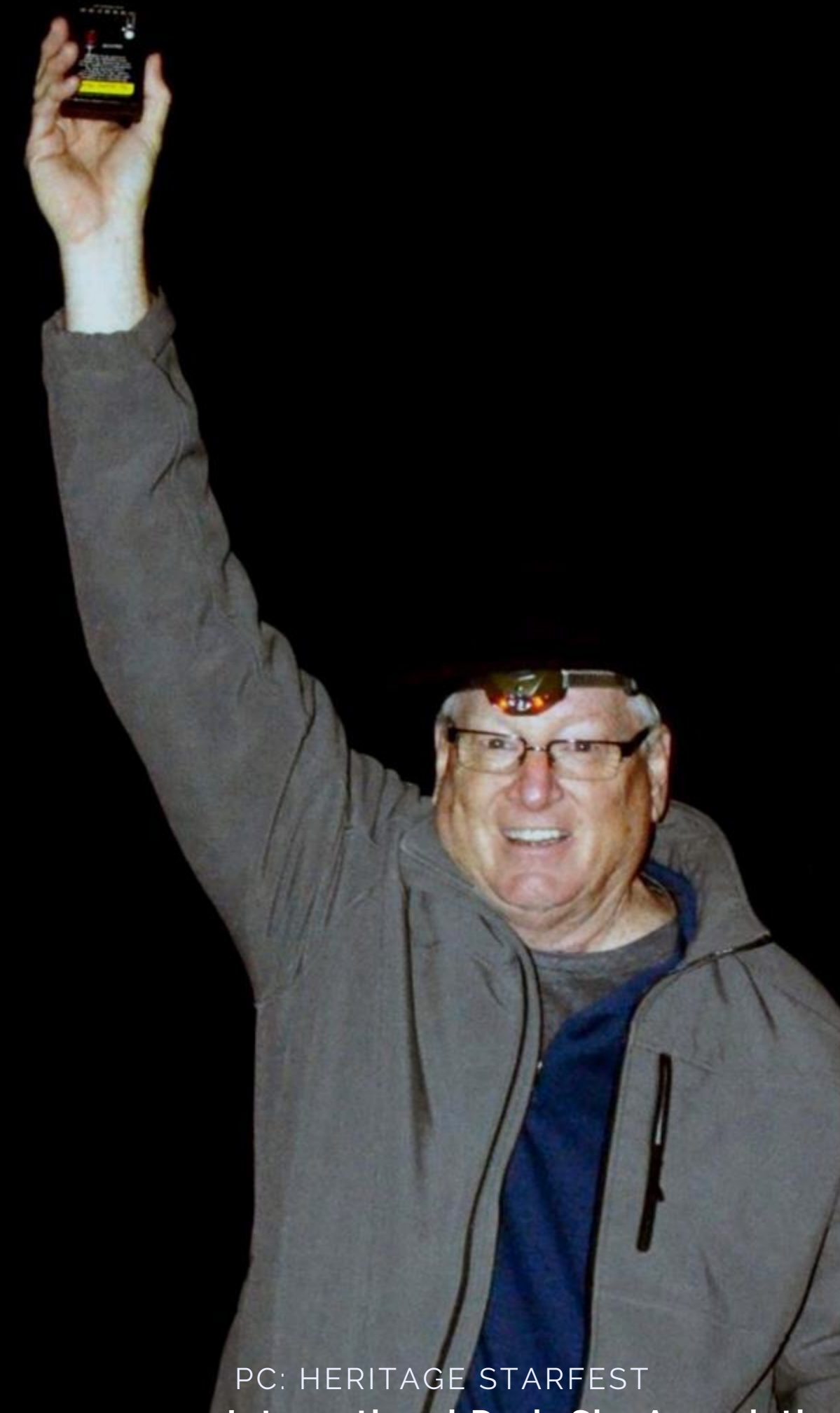
2019



HOW DARK ARE YOUR SKIES?

GLOBE AT NIGHT

DARK SKY METER



PC: HERITAGE STARFEST



ARE YOU ONE OF THE LUCKY ONES?

**ONLY 2 OUT OF 10 PEOPLE ON EARTH CAN
SEE THE MILKY WAY**

99% OF THE USA AND EUROPE
live under light polluted skies

LA EARTHQUAKE



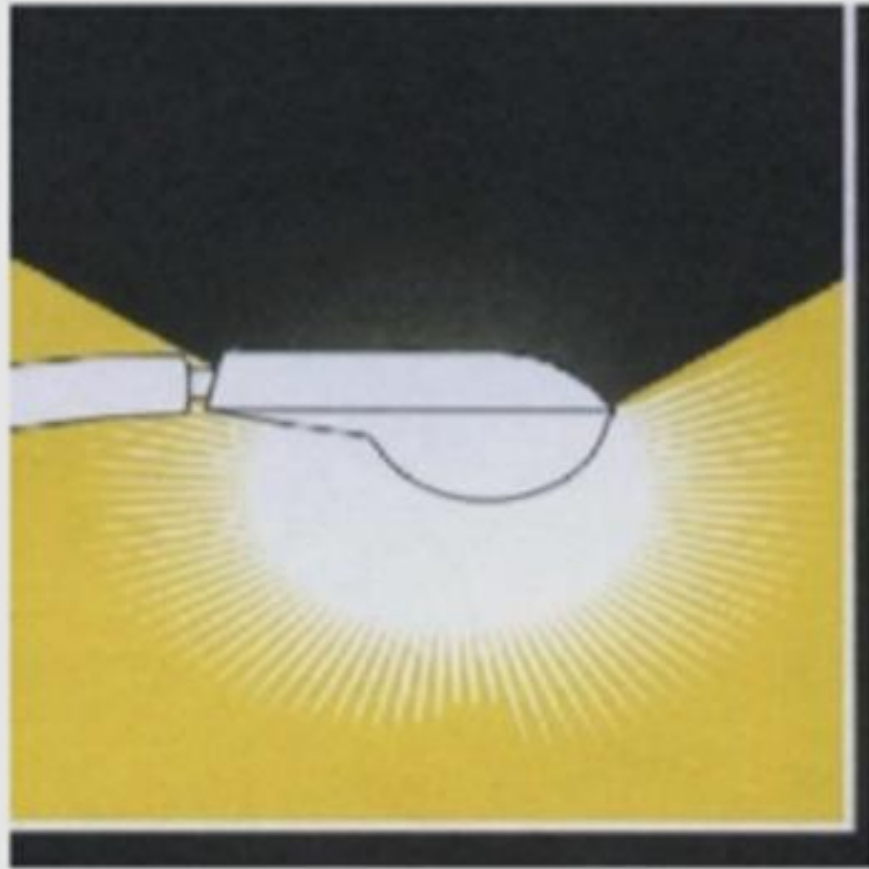
WE CAN MAKE A DIFFERENCE





LIGHT POLLUTION

Has a simple solution: better lighting design



SHIELDING

—
AIM LIGHTS DOWN



KELVIN

(CORRELATED COLOR TEMPERATURE)

2700K

Warm White

- 2700-3000K
- Most similar to incandescents
- Inviting, relaxing

3000K

Bright White

- 3500-4100K
- Energetic, lively
- Good for kitchens and workspaces

4500K

Daylight

- 5500-6500K
- Crisp and refreshing
- Good for reading

6500K

CORRELATED COLOR TEMPERATURE (CCT)

INTENSITY AND WARRANTING



LIGHTING ORDINANCE

keep it dark

WHERE TO FIND THIS LIGHTING?

IDA FIXTURE SEAL OF
APPROVAL PROGRAM



WHO WE ARE

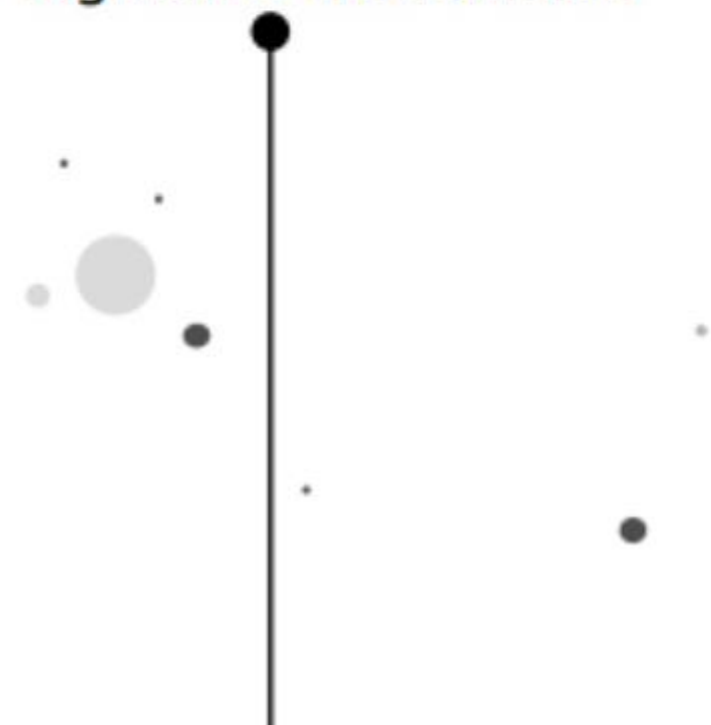


INTERNATIONAL DARK-SKY ASSOCIATION

The **International Dark-Sky Association** (IDA) protects the night from light pollution and promotes responsible outdoor lighting.

IDA Works Globally

to protect and
preserve the natural
nighttime environment





CALL TO ACTION

JOIN IDA TO PROTECT THE NIGHT TODAY!

THANK YOU!

THE INTERNATIONAL DARK SKY ASSOCIATION

3223 N 1ST Avenue Tucson Arizona

@idadarksky

Name

IDA Affiliation

Email address

(123) 456- 7890