How To Temporarily Turn Off Street Lights During The Eclipse
We All Have Seen These

Most all of them have photo sensors to switch them on at night and off at dawn
But Do We Want Them To Come On During The Eclipse?

NO!

So What Are Our Options?

Power Companies and City Councils' Sometimes Are Uncooperative

Sometimes It’s Best To Just Ask For Forgiveness Than To Ask For Permission
Some People Have Been Known To Knock Out The Light Using A Laser To Shine Into The Photo Sensor

Wall Mounting

Arm Mounting
Eventually, In a Minute or Two, The Light Comes Back On Requiring Another Shot With The Laser!
There Is A  
Somewhat Simpler  
Solution
This is a typical photo sensor found on a street light.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable Voltage</td>
<td>105 - 305VAC</td>
</tr>
<tr>
<td>Rated Voltage</td>
<td>110 - 277VAC</td>
</tr>
<tr>
<td>Rated Loading</td>
<td>1000W Tungsten, 1800VA Ballast</td>
</tr>
<tr>
<td>On-off Levels</td>
<td>6Lx On, 50Lx Off</td>
</tr>
<tr>
<td>Ambient Temp.</td>
<td>-40°F~+158°F</td>
</tr>
<tr>
<td>Related Humidity</td>
<td>99%</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1.5VA</td>
</tr>
<tr>
<td>Rated Frequency</td>
<td>50/60Hz</td>
</tr>
<tr>
<td>Overall Size</td>
<td>84(Dia.) x 66mm</td>
</tr>
<tr>
<td>Weight Approx.</td>
<td>85g</td>
</tr>
<tr>
<td>Certificates</td>
<td>UL, CE, RoHS</td>
</tr>
</tbody>
</table>
• We Must Fool The Sensor With Some Sort Of Light
• Red LED’s Could Be Used As A Light Source
• What Kind Of Package Would One Use To Deliver The Light Source?
• It Must Fit Over The Photo Sensor We Saw In The Earlier Slide.
Here Are A Couple Of Mockups Using 1 Quart Paint Cans

The Bottoms Have Been Cut Out.

In Tests, The Battery In Both Of These Configurations Lasts For More Than 24 Hours.
• Our Club, CAAC, Used These Kinds Of LED Cans To Keep The Street Lights Off At Night At Our Annual Convention, Southern Star.

• It Is Held At The Wildacres Retreat In Western North Carolina.
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Our Problem Though Was Having To Put The Cans On The Photo Sensors With A Non Conducting Fiberglass Pole BORROWED From Duke Energy.

It Was Difficult Putting The Can Over The Photo Sensor And Getting The LED Pointed Into The Sensor Window.
• If One Can Use Something Besides The Borrowed Fiberglass Pole...
• We Should Borrow A Lesson From The Ukrainians
• What About Hotel Parking Lot Lights?
• If You’re Lucky, The Parking Lot Lights Are All Connected To A Single Sensor.
• Talk To The Hotel Engineer And Ask If The Lights Are On A Single Sensor Or Can Be Temporarily Turned Off.
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• Talk To The Hotel Engineer And Ask If The Lights Are On A Single Sensor Or Can Be Temporarily Turned Off.

• Ask If You Can Put An LED On The Sensor To Keep The Lights Off.
• When the parking lot lights are controlled by a single sensor, it should be easy to find.
• This One, In Irmo SC At The Hyatt, Is Pointed West Even Though It Should Be Pointed South.
• It is Simple Enough To Rig An LED Or Some Sort Of Flashlight To Activate The Photo Cell In This Type Of Setup.