

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!

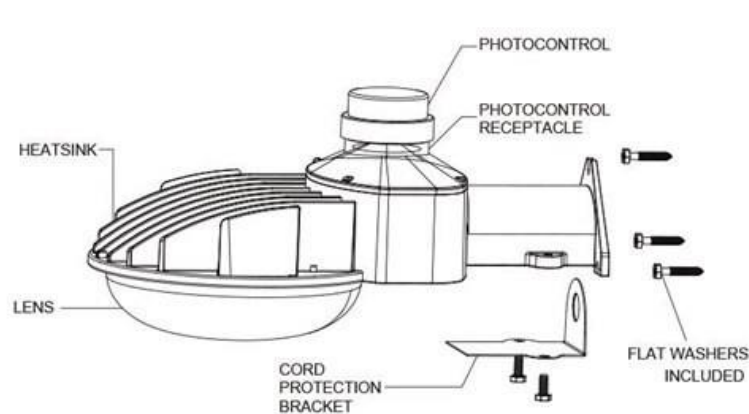
So What Are Our Options?

Power Companies and City Councils'
Sometimes Are Uncooperative

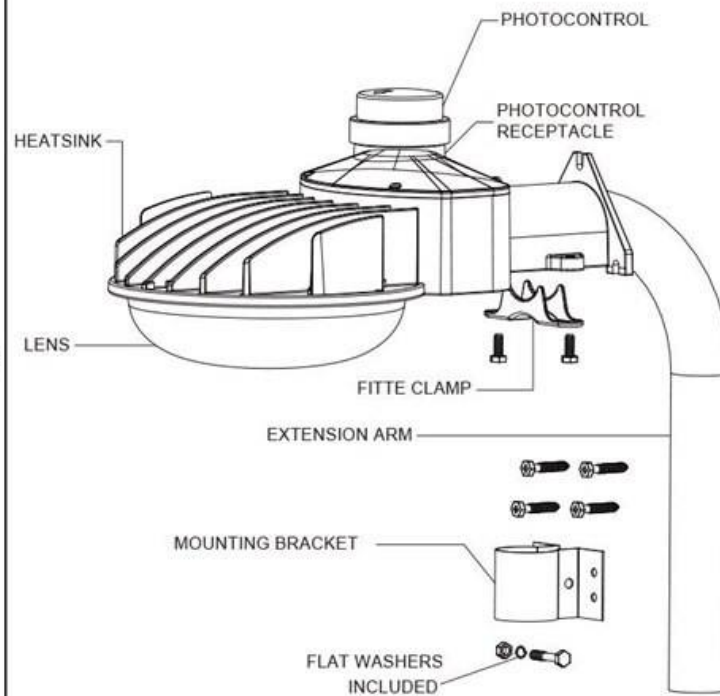
Sometimes It's Best To Just Ask For Forgiveness
Than To Ask For Permission

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!



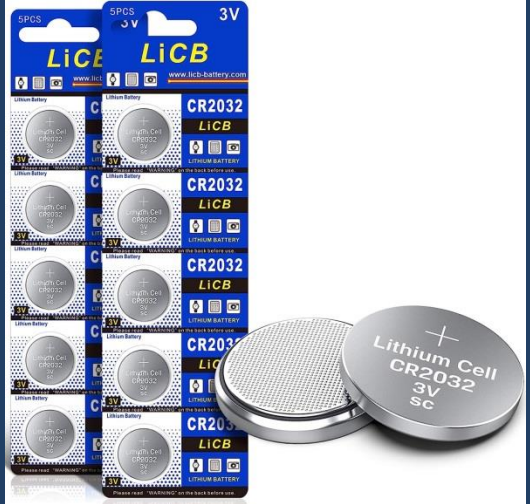
There Is A
Somewhat Simpler
Solution

This Is A Typical Photo Sensor Found On A Street Light

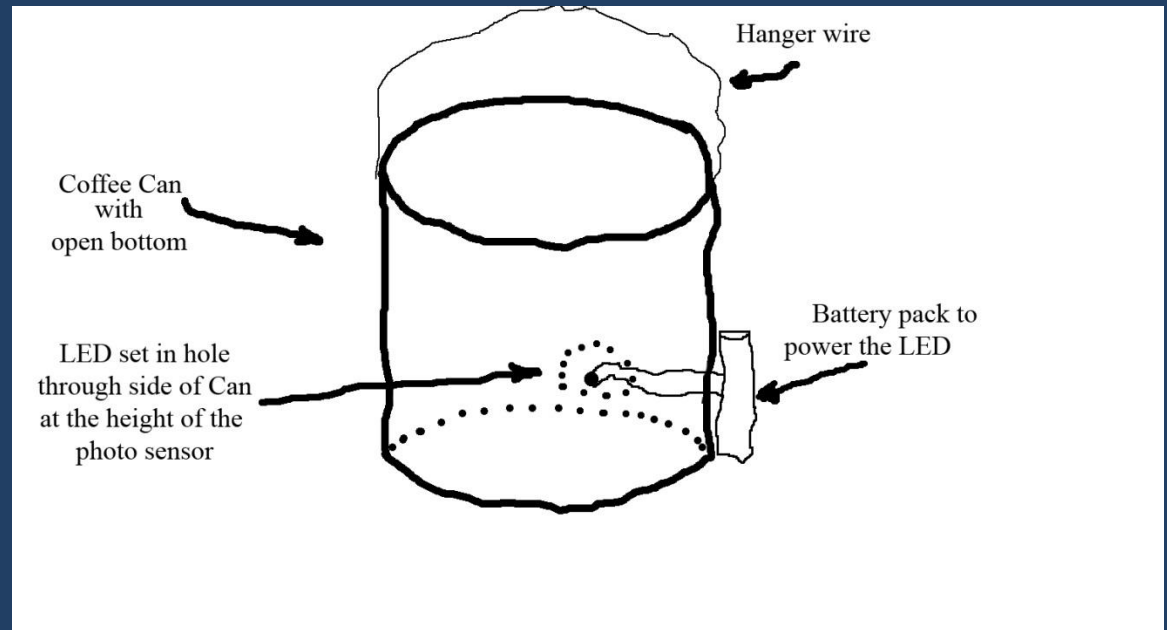


Applicable Voltage	105 - 305VAC
Rated Voltage	110 - 277VAC
Rated Loading	1000W Tungsten, 1800VA Ballast
On-off Levels	6Lx On, 50Lx Off
Ambient Temp.	-40°F~+158°F
Related Humidity	99%
Power Consumption	1.5VA
Rated Frequency	50/60Hz
Overall Size	84(Dia.) x 66mm
Weight Approx.	85g
Certificates	UL CE RoHS

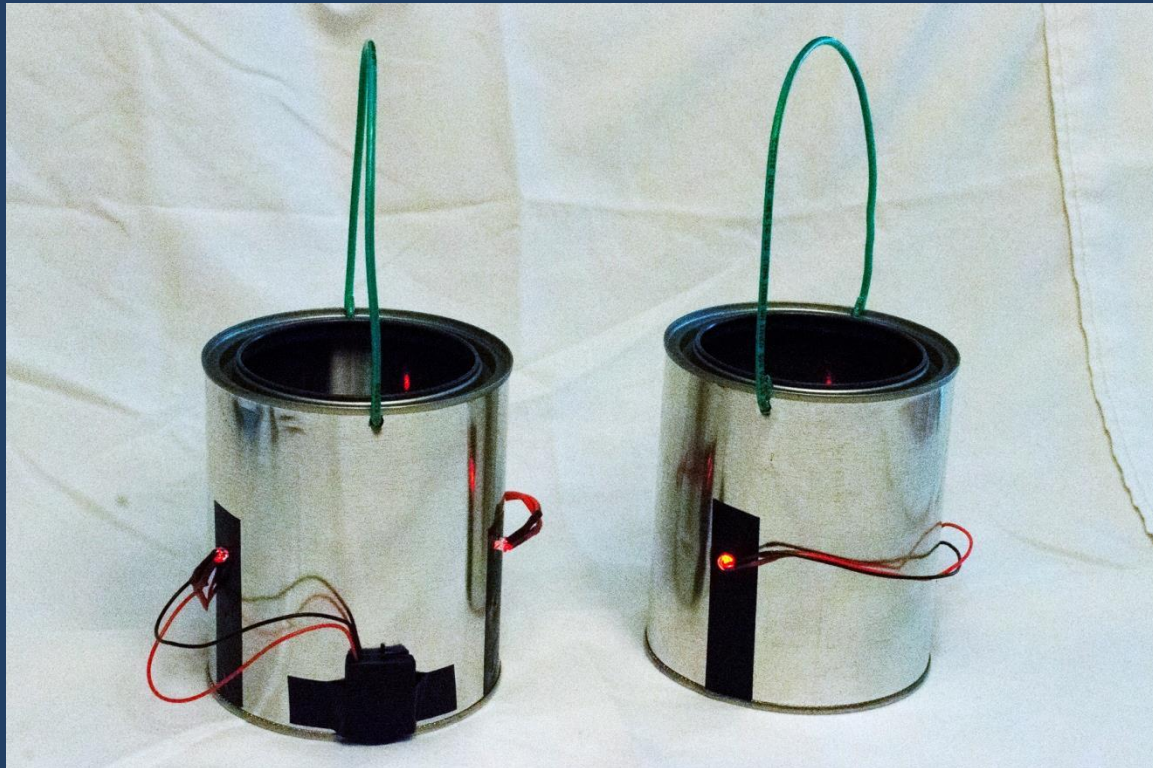
- We Must Fool The Sensor With Some Sort Of Light
- Red LED's Could Be Used As A Light Source



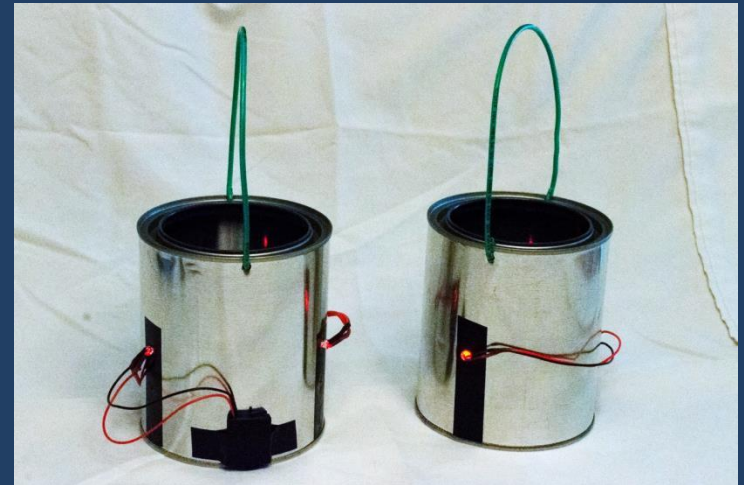
- What Kind Of Package Would One Use To Deliver The Light Source?
- It Must Fit Over The Photo Sensor We Saw In The Earlier Slide.



- 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.



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- 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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- 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.
- Ask If You Can Put An LED On The Sensor To Keep The Lights Off.

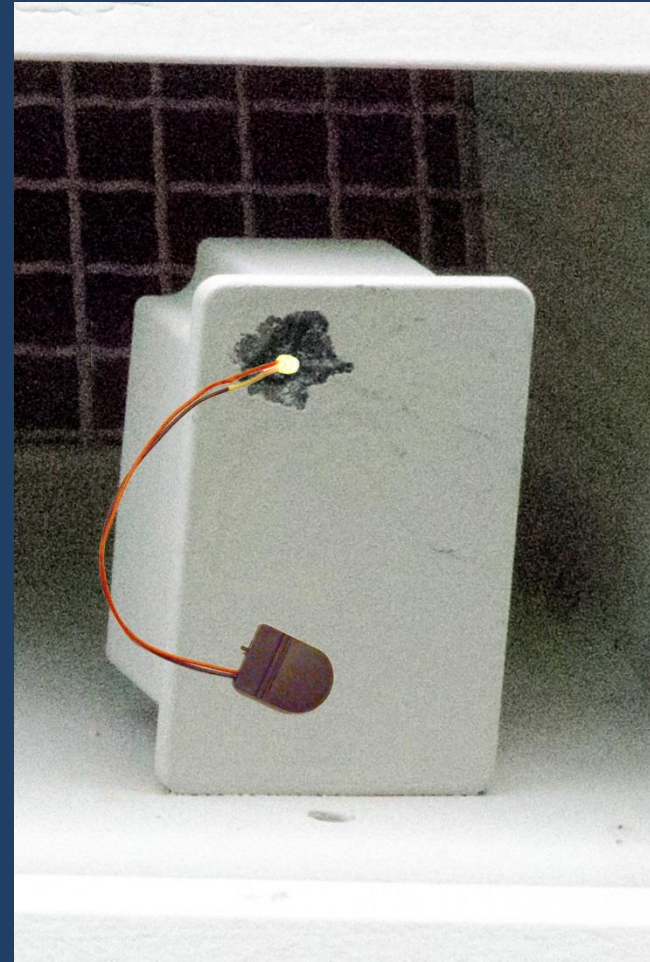


- When The Parking Lot Lights Are controlled By A Single Sensor, It Should Be Easy To Find.



- 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.