

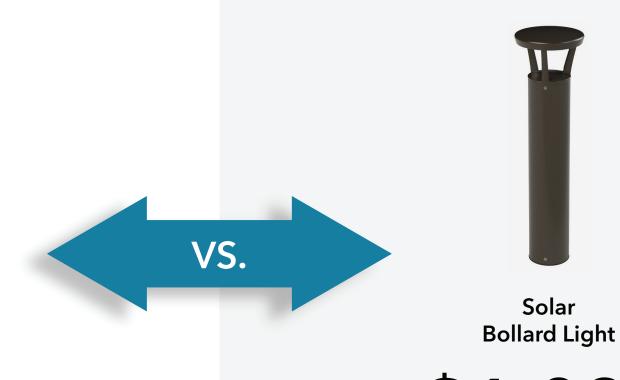


## Solar vs. Wired Bollards: The Illuminating Facts

### How much do these lights actually cost?



\$1,280



\$1,030

If this is where your calculations end, you're missing some very important numbers.

Let's consider both wired and solar bollards and the costs associated to light a new 500 foot pathway.

# Installation

Lighting Design



**Wired Bollard Wired Bollard Costs:** \$25,600 **Bollard Footings:** \$3,000 **Bollard Installation:** \$200 \$500 **Electrical Permitting:** \$2,000 **Power Pedestal:** Trenching, Conduit, Wiring, Backfill, \$14,375 Machine Time, Labor, Electrical Home Run: \$25 per foot for 500 ft of pathway. **Total Installation Costs:** 

\$45,675

\$2,400

\$4,928 Calculated at \$16.43 per year, per bollard. Yearly per bollard energy cost is calculated at 30W, 12 hours a day, 365 days per

year at \$0.125 kWh.

\$600 \$15 each bollard for a new LED driver + labor (Based off 15 minutes per bollard with electrician at \$60 per hour) Solar Bollard

| Solar Bollard Costs: 20 units at \$1030.                                         | \$20,600 |
|----------------------------------------------------------------------------------|----------|
| Bollard Footings:<br>\$150 cost per bollard.                                     | \$3,000  |
| Bollard Installation:  One maintenance worker, \$20 per hour 5 min per unit.     | \$33     |
| Electrical Permitting:                                                           | \$0      |
| Power Pedestal:                                                                  | \$0      |
| Trenching, Conduit, Wiring, Backfill,  Machine Time, Labor, Electrical Home Run: | \$0      |

**Total Installation Costs:** 

\$23,633

\$0

\$0

\$1,733 \$85 each bollard for a new battery + labor (Based off 5 minutes per bollard with maintenance worker at \$20 per hour)

**Total Cost Over 15 Years** 

Wired Bollard

\$53,603

Solar Bollard

\$25,366

you can put back into your community.

\*The totals above are based on a controlled situation. Each scenario is unique, so fees may vary.

Solar lighting saves \$28,236 (53%) that





## Bright idea, right?

Tough. Reliable. Cost-effective. Our commercial solar lighting just makes sense for your community.

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