

Solar vs. Wired Bollards: The Illuminating Facts

How much do these lights
actually cost?



Wired
Bollard Light

\$1,280

VS.



Solar
Bollard Light

\$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.

Wired Bollard

Wired Bollard Costs: <small>20 units at \$1280.</small>	\$25,600
Bollard Footings: <small>\$150 cost per bollard.</small>	\$3,000
Bollard Installation: <small>One electrician, \$40 per hour 10 min per unit.</small>	\$200
Electrical Permitting:	\$500
Power Pedestal:	\$2,000
Trenching, Conduit, Wiring, Backfill, Machine Time, Labor, Electrical Home Run: <small>\$23 per foot for 500 ft. of pathway.</small>	\$14,375

Total Installation Costs:

\$45,675

Solar Bollard

Solar Bollard Costs: <small>20 units at \$1030.</small>	\$20,600
Bollard Footings: <small>\$150 cost per bollard.</small>	\$3,000
Bollard Installation: <small>One maintenance worker, \$20 per hour 5 min per unit.</small>	\$33
Electrical Permitting:	\$0
Power Pedestal:	\$0
Trenching, Conduit, Wiring, Backfill, Machine Time, Labor, Electrical Home Run: <small>\$23 per foot for 500 ft. of pathway.</small>	\$0

Total Installation Costs:

\$23,633

\$2,400

\$0

\$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.

\$0

\$600

\$15 each bollard for a new LED driver + labor
(Based off 15 minutes per bollard with electrician at \$40 per hour)

\$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

Solar lighting saves \$28,236 (53%) that
you can put back into your community.

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

Bright idea, right?

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

Call us at 1-844-279-8754 or visit www.firstlighttechnologies.com