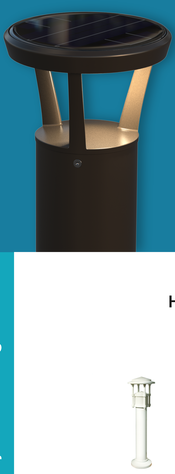
FIRSTLIGHT TECHNOLOGIES



Solar vs. Wired Bollards: The Illuminating Facts

High Quality Bollard Pricing

How much do these lights actually cost?

Wired Bollard Light

$1280

VS.

Solar Bollard Light

$1030

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

Wired Bollard

Wired Bollard Costs: 20 units at $1280	$25,600
Bollard Footings: $150 cost per bollard	$3,000
Bollard Installation: One electrician, $40 per hour 10 min per unit.	$200
Electrical Permitting:	$500
Power Pedestal:	$2000
Trenching, Conduit, Wiring, Backfill, Machine Time, Labor, Electrical Home Run: $25 per foot for 500 ft of pathway.	$14,375

Total Installation Costs:

$45,675

Solar Bollard

Solar Bollard Costs: 20 units at $1030	$20,600
Bollard Footings: $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: $25 per foot for 500 ft of pathway.	$0

Total Installation Costs:

$23,633

Lighting Design

$2,400

$0

Power

$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

15 Year Maintenance

$600

$15 each bollard for a new LED driver + labor
(Based off 15 minutes per bollard with electrician at $60 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.

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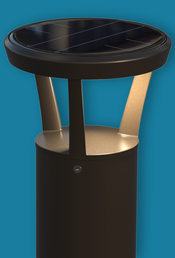

Bright idea, right?

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**