

LED Outdoor - Wall Packs, Floodlights, Canopy

St. Sebastian's Parish - Sturtevant, WI



Church replaces 12 HID outdoor fixtures with LED

Project Summary

Fixture Type	Lamp Source	Fixture Wattage	Lumens	Color Temperature	Comparable To
Premium LED Wall Pack - Small	CREE LEDs	38 Watts	2000	4100K	70W PSMH
LED Canopy Light - Wide Distribution	CREE LEDs	38 Watts	2000	4100K	70W PSMH
Premium LED Floodlight Large - 40° Flood	CREE LEDs	152 Watts	7000	4100K	250W MH
Premium LED Directional Floodlight - 40° Flood	CREE LEDs	38 Watts	2000	4100K	70 PSMH
Small LED Floodlight	CREE LEDs	12 Watts	1000	4100K	100 Halogen



OPPORTUNITY

When it was time for St. Sebastian's Parish in Sturtevant, WI to replace their 400W HID outdoor lights, they needed a more cost-effective solution. A parishioner, who is also the owner of a local electrical contracting company, donated 12 LED lights: wall packs, floodlights, small floodlights, directional floodlights and canopy lights. LED bulbs for four additional outdoor fixtures were also included.

SOLUTION

At an average 72W per new fixture and bulb, St. Sebastian's could save up to 70% on the church's energy bills. Parish leaders also appreciate the quality of the light, saying it shows off the building's architectural details and provides security at night.



Premium LED
Wall Pack - Small

BENEFITS

The old HID bulbs provided inefficient lighting and were draining the church's energy budget. The new LED floodlights can be positioned to shine the right amount of light exactly where it's needed. With a long life - up to 50,000 hours - at just 20 to 30 percent of the energy needed for traditional lights, St. Sebastian's won't have to worry about replacement for over 10 years!

INSTALLATION

In just under 10 hours, Jeff Barth and his crew from Barth Electric had all 12 replacement lights rewired and working.

"It was pretty easy to swap out the lights, and we made good time even though we had to totally replace and rewire many of the uplights ... Parishioners should be pleased with the finished look and the way the lights show off the church."

- Jeff Barth
Barth Electric

IN THIS CASE STUDY

Premium LED Wall Pack - Small

- 50,000 hours of maintenance-free operation to L_{70} at 25°C
- Non-dimmable
- Minimum starting temperature: -40° F
- Universal voltage (120V through 277V)
- Cree® LEDs inside
- UL Listed for wet locations—downlight only
- 3-year limited warranty



LED Canopy Light - Wide Distribution

- 50,000 hours of maintenance-free operation to L_{70} at 15°C
- Non-dimmable
- Minimum starting temperature: -40°F
- Universal voltage (120V through 277V)
- Cree® LEDs inside
- UL Listed for wet locations
- 3-year limited warranty



Premium LED Floodlight - Large - 40° Flood

- 50,000 hours of maintenance-free operation to L_{70} at 15°C
- Non-dimmable
- Minimum starting temperature: -40°F
- Universal voltage (120V through 277V)
- Cree® LEDs inside
- UL Listed for wet locations
- 3-year limited warranty



Premium LED Directional Floodlight - 40° Flood

- 50,000 hours of maintenance-free operation to L_{70} at 15°C
- Non-dimmable
- Minimum starting temperature: -40°F
- Universal voltage (120V through 277V)
- Cree® LEDs inside
- UL Listed for wet locations
- 3-year limited warranty



Small LED Floodlight

- 50,000 hours of maintenance-free operation
- Non-dimmable
- Minimum starting temperature: -22°F
- Universal voltage (120V through 277V)
- Cree® LEDs inside
- UL Listed for wet locations
- 3-year limited warranty



LED OUTDOOR



Premium LED
Floodlight - Large



Premium LED
Wall Pack - Small



Premium LED
Directional Floodlight



LED Canopy Light -
Wide Distribution

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