DOMESTIC LED PROJECT

Medical Services of America

OVERVIEW

LED Retrofit Project of Two Office Building and One Warehouse for a Comprehensive Home Healthcare Provider.

CHALLENGE

To successfully install a lighting retrofit project at the headquarters of a leading home healthcare provider in Lexington, South Carolina.

Need 1: Dramatically increase the quantity and quality of light in the offices, common areas, and conference rooms
Need 2: Reduce overall energy consumption and cost of energy
Need 3: Increase safety and security in the warehouse and perimeter of the main facility
Need 4: Eliminate lighting maintenance expense

SCOPE OF PROJECT

In total, 852 fixtures were installed at this active office complex, replacing 853 existing fixtures. This lighting retrofit project included the retrofitting of all office, warehouse, and exterior lighting.

The key fixture solutioning on this project was the replacement of 2x4 fluorescent troffers with LED retrofit kits.

Lighting System Energy Consumption (kW)
Before: 105.7
After: 34.1

Improvement of Lighting Average Foot Candles
Before: 10-12
After: 25-30

BEFORE

AFTER

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FIXTURE TYPE	QUANTITY	SOLUTION WATTS
EcoLite - Exit Sign Combo w/ BBU - Remote Capable - 6W	11	6
ILP - ConvertaFlood Medium - 85W	6	85
ILP - Medium Area Light - 150W	27	150
ILP - Medium Wall Pack - Open Face - 45W	6	45
Remove Fixtures	1	0
Verbatim - 6" TranquiLED Downlight - 14W	10	14
Verbatim - LED Panels 2x2 0-10V Dimmable 4000K - 40W	1	40
Verbatim - 2' T5 Linear Luminaire - 9W - 2 Lamp	21	18
Verbatim - 2' T5 Linear Luminaire 5000K - 9W	7	9
Verbatim - 6" 120-277V Downlight Trimflex Series 4000K - 10W	16	10
Verbatim - LED Panels 2x4 0-10V Dimmable 4000K - 36W	59	36
Verbatim - T5 Quick Stick 4' 4000K - 18W - 1 Lamp	18	18
Verbatim - T5 Quick Stick 4' 4000K - 18W - 2 Lamp	610	36
Verbatim - T5 Quick Stick 4' 4000K - 18W - 3 Lamp	2	54
Verbatim - T5 Quick Stick 4' 4000K - 18W - 4 Lamp	56	72
Verbatim - Type A19 Lamp - 60 watt Equivalent - 9 watt - 800 lumens	3	9
Vive Powpak & Dimmer Switch	1	0

The Helios Energy™ Impact

Energy savings – **$17,169**

Maintenance savings – **$3,858**

Total 10 year savings – **$210,270**

Reducing **161,730 kWh** per year on this project is equivalent to **265,399 lbs.** of CO_2 saved or **26** cars removed from the road

Medical Services of America

ABOUT OUR CLIENT

Medical Services of America is a comprehensive home healthcare provider that offers home healthcare, hospice care, home medical equipment and supplies, diabetic supplies, respiratory services, mail order supplies, enteral nutrition therapy, assisted living and memory care facilities, full-service pharmacies, physician practice management, billing, and printing services.

Medical Services of America began with a unique concept, "Total Home Healthcare," and its expansion has been guided with that concept in mind. Every area of service is managed and staffed by qualified professionals, trained and experienced in their respective fields. All offices are company-owned, not franchised, to ensure the highest quality of home care services.

MSA Medical Services of America, Inc.