



# SPECTRUM LIGHTING

## CASE STUDY #200

SOURCE: LED

JOB: CHARLETON MEMORIAL HOSPITAL

### THE STORY:

Charleton Memorial Hospital in Fall River Mass was looking to replace incandescent fixtures and increase quality of light. Spectrum "E" series 15 watt new LED fixtures were installed in existing grid. Fixtures provided crisp white light and greatly reduced maintenance.

### BENEFITS:

- Color (K°) now stable.
- Summer cooling load reduced.
- Maintenance reduced.
- Local energy rebate.

1 LED lasts as long as 26 A lamps.

EXISTING FIXTURE: Recessed  
7" Aperture

EXISTING WATTAGE: 100w Incandescent  
QTY: 260\*

WATTS/HR: 26,000

REPLACEMENT FIXTURE: Recessed Downlight  
7" aperture

REPLACEMENT WATTAGE: 15w LED 3K  
QTY: 260

WATTS/HR: 3,460

ESTIMATED SAVINGS/DAY@ .17KH

**\$91.92**

ESTIMATED SAVINGS/YEAR@ .17KH

**\$33,550.00**

PAYBACK: 1 YR 3 MONTHS



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