

# Case Study

## Installation Site:

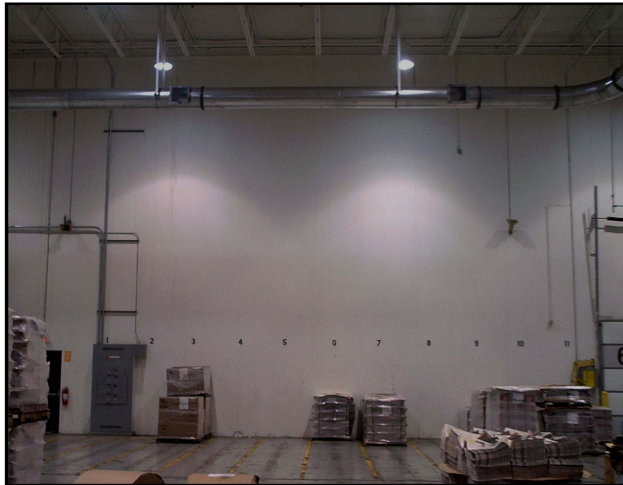
### Gannett Offset

8775 Zachary Lane North, Maple Grove, MN 55369  
Randy Withers –Maint. Mgr. Ph 763-315-7700



**BLI**  
**Lighting Specialists**

15275 Minnetonka Blvd. Minnetonka, MN 55345  
Ph 800-245-5874 Fx 888-333-2852



## **BEFORE**

### Load Data

|                          |          |
|--------------------------|----------|
| Input Watts per Fixture  | 465W     |
| Total System Input Watts | 237,150W |
| System Kilowatts         | 237.15KW |
| Amps (at 277v)           | 856.13A  |

### Fixture Data

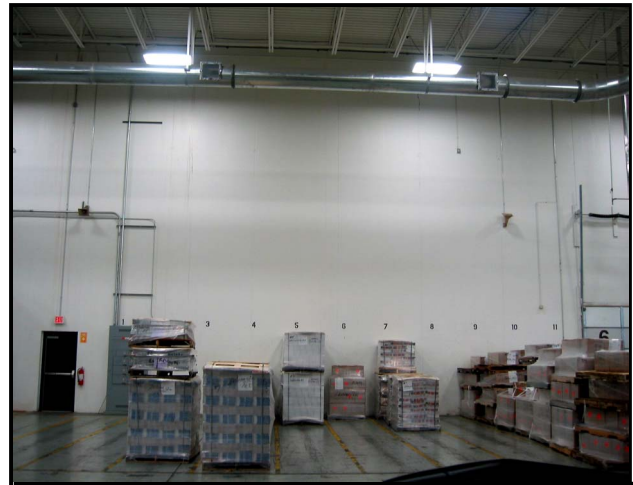
|                  |                                   |
|------------------|-----------------------------------|
| Fixture Wattage  | 400W                              |
| Fixture Type     | Alum. Refl. High Bay Glass Lens   |
| Lamp Type        | MS400/BU/PS (Pulse Start Metal H) |
| Mounting Height  | 28.5ft                            |
| Spacing          | 20'x16.5'                         |
| Fixture Quantity | 510                               |

### Light Level

Footcandle Average at 3ft off floor 35fc

### Operational Costs

Typical Cost to Operate for 1 Year  
(8760hrs at \$.05 per KWh) **\$103,862**



## **AFTER**

### Load Data

|                          |          |
|--------------------------|----------|
| Input Watts per Fixture  | 228W     |
| Total System Input Watts | 116,280W |
| System Kilowatts         | 116.28KW |
| Amps (at 277v)           | 419.78A  |

### Fixture Data

|                  |             |
|------------------|-------------|
| Fixture Wattage  | 256W        |
| Fixture Type     | Z-Max 88 NP |
| Lamp Type        | T8 SCB      |
| Mounting Height  | 28.5ft      |
| Spacing          | 20'x16.5'   |
| Fixture Quantity | 510         |

### Light Level

Footcandle Average at 3ft off floor 46fc

### Operational Costs

Typical Cost to Operate for 1 Year  
(8760hrs at \$.05 per KWh) **\$50,930.64**