

Southeast Michigan Industrial Lighting Demonstration Center ILDC

Introduction

Illuminart has been receiving inquiries on lighting of factories, warehouse and industrial spaces; for renovations and new construction. Most conversations begin with a review of basic electric lighting systems options but then lead to daylight integration, control systems and the benefits of a more holistic approach to lighting solutions, to further reduced operations costs and to benefit the users and owner, long term.

The best way to demonstrate holistic lighting benefits is for someone to see them in a real life setting! Illuminart has specified and is having installed an integrated lighting system in a 23,000 sq ft warehouse and offices near Detroit Metro Airport in Belleville Michigan to be used as a demonstration center. This facility will be made available by appointment to; architects, engineers, owners, facility managers and DTE customers to come and see a wide variety industrial lighting systems and benefits first hand!

The ILDC does not promote or endorse a specific product or lighting method but instead, helps to educate the visitor on the benefits of various lighting solutions and options.

The warehouse lighting design will feature examples of:

- T8, T5, LED and Induction lighting systems from numerous manufacturers. The fixtures will also feature a variety of accessories (louvers, lenses, wire guards) for review.
- 3 lamp color areas will be set up featuring 3500K 4000K and 5000K lamps
- Various illuminance levels from 15fc up to 150fc (from daylight) may be experienced
- Skylights, top lighting and side lighting (windows) of various sizes and different features and be observed from various manufacturers
- Daylight integration with all electric lighting through dimmable ballasts and photo cells
- Zone control options from digitally addressed ballasts
- Occupancy sensors
- An energy monitor to see the energy savings benefits in real time and projected over time
- Life cycle cost analysis and ROI benefits of various system options
- Information from the manufacturers providing the equipment installed will be available

Lighting equipment will be installed using cord and plugs so we are able to change out the fixtures as needed to represent different manufacturers or new technologies

Our plan is to have much of the installation completed the 3rd week in May and start promoting it to the industry and public at that time. Send us an email if you wish to be put on a mailing list. www.illuminart.net



Before
Existing T12 system / no skylights