

SELF AUDIT FOR THE RIGHT LED RETROFIT

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PRELIMINARY INFORMATION

- HOURS OF OPERATION
 - (HRS PER DAY, DAYS PER WEEK)
- VOLTAGE
- FIXTURE MOUNTING HEIGHT IF RELEVANT

WHERE DO WE START

- **ENTRANCE**
- **OFFICES**
- **WASHROOMS**
- **UTILITY ROOMS**
- **WAREHOUSE**
- **PARKING GARAGE EXTERIOR**

OFFICE AREAS

- TYPICAL FIXTURES FOUND IN THIS AREA
- RECESSED 2X4, 2X2, 1X4
- SURFACE WRAPS
- POT LIGHTS
- STRIP FIXTURES
- TRACK LIGHTING

TYPICAL OFFICE FIXTURES



2X2 RECESSED



MR16 TRACK



2X4 RECESSED



POT LIGHTING



HALOGEN TRACK

WRAP LIGHTING OPTIONS



WIDE WRAP



VAPORPROOF



2 LAMP WRAP



2 LAMP STRIP

IDENTIFYING LAMP TYPES



PAR-20

PAR-30

PAR-30 LN

PAR-38



MR-16



A-19



PL

Quad

Triple

PLL



T8 U-LAMP



HID



T5



T8



T12

DETAILS

- WHEN AUDITING ANY FIXTURES THE BASIC INFORMATION REQUIRED IS AS FOLLOWS
- STYLE OF FIXTURE – 2X4, 2X2 ,1X4 ETC.
- LAMPING FOR LINEAR – T12 , T8 OR T5
- HOW MANY LAMPS
- 2X2 FXTURES CAN HAVE 4X17W OR 2X ULAMPS
- 1X4S ARE 2 LAMP
- 2X4S CAN BE 2, 3 OR 4
- WRAPS CAN BE 2 OR 4 LAMP (THE WIDTH USUALLY WILL TELL YOU)

IDENTIFYING AND RECORDING LAMPS TYPES

- IF POT LIGHTS RECORD THE SIZE 6" OR 8" AND IF THEY ARE INCANDESCENT HALOGEN OR DEDICATED PL, AND IF POSSIBLE RECORD THE LAMP WATTAGE
- TRACK LIGHTING WILL TYPICALLY HAVE HALOGEN PAR LAMPS, MR16 OR INCANDESCENT
- RECORD LAMP STYLE AND WATTAGE
- STRIP FIXTURES MAY BE IN UTILITY ROOMS OR WASHROOM VALANCES. RECORD NUMBER OF LAMPS AND WATTAGE . SOMETIMES THERE ARE 2' OR 3' IN VALANCES

WAREHOUSE

- TYPICAL WAREHOUSE LIGHTING COULD BE HID HIGHBAY, 8' 2 LAMP T12 STRIPS OR INDUSTRIALS
- IF TASK LIGHTING IS USED IT WILL TYPICALLY BE 4' OR 8'STRIPS OR INDUSTRIAL FIXTURES
- DUE TO THE MOUNTING HEIGHT IT IS SOMETIMES DIFFICULT TO ASERTAIN THE LAMP WATTAGE.
- THERE MAY BE REPLACEMENT OR BURNT OUT LAMPS IN A UTILITY ROOM. IF NOT THE USUAL WATTAGES WILL BE 400W FOR HIGHER MOUNTING AND 250W FOR LOWER MOUNTING. IF THE FIXTURES ARE LOWBAYS (ACRYLIC REFRACTOR BOTTOM) THEY ARE LIKELY UNDER 400W
- IMPORTANT TO RECORD MOUNTING HEIGHT

WAREHOUSE LIGHTING



TYPICAL HID HIGHBAY



TYPICAL HID LOWBAY



INDUSTRIAL 8' OR 4'



COMMODITY 8' 2L STRIP

PARKING GARAGE

- IF YOUR FACILITY HAS AN UNDERGROUND OR COVERED PARKING GARAGE THE SAME RULES OF AUDIT APPLY.
- WHEN CONSIDERING CHANGING TO LED WE MUST BE AWARE OF AND RECORD THE MOUNTING HEIGHT AND SPACING GRID TO ENSURE PROPER LED WATTAGE AND BEAM SPREAD IS CHOSEN
- TYPICAL FIXTURES IN PARKING GARAGES WILL BE HID, CANOPY OF ONE STYLE OR ANOTHER, LINEAR FLUORESCENT STRIPS OR INDUSTRIALS OR VAPORPROOF LINEAR FLUORESCENT

PARKING GARAGE LIGHTING



TYPICAL HID CANOPY



ROUND HID CANOPY



8' FLUORESCENT SURFACE



VAPORPROOF

EXTERIOR

- THERE ARE A NUMBER OF THINGS TO RECORD WITH REGARD TO EXTERIOR LIGHTING.
- WATTAGES ARE MUCH MORE DIFFICULT TO SEE SO THEY MAY HAVE TO BE GUESSED IN MANY CASES.
- POLE LIGHTING MAY CONSIST OF EITHER SHOEBOX STYLE OR FLOOD LIGHTS
- WALL MOUNT LIGHTING TYPICALLY WOULD BE WALLPACKS BUT COULD HAVE FLOODS AS WELL.
- CANOPY MOUNT OR POT LIGHTS MAY BE FOUND IN CANOPIES OVER ENTRANCES
- IT IS IMPORTANT TO NOTE THE MOUNTING OF THE FIXTURES
- FLOODS CAN BE TRUNNION OR SLIPFITTER , POLE IS TYPICALLY ARM MOUNT.

IDENTIFY YOUR OUTDOOR FIXTURES



TRUNNION MOUNT FLOOD



SLIPFITTER MOUNT FLOODS



TRADITIONAL STYLE WALLPACK



COMMON SHOEBOX ARM MOUNT



WALL CYLINDER

THANK YOU

