

Total Customer Satisfaction

MAX LITE™

**Maximize Your Lighting
Energy Savings**



InterWorld®
Your Global Resource

USA, Republic of Ireland, Singapore, Malaysia, Thailand, Philippines,
Indonesia, Japan, India, China (Beijing, Suzhou, Shanghai, Shenzhen,
Tianjin, Chengdu), Hong Kong and Taiwan



MAX LITE™ Lighting Management System

FOR Discharge Lamps - Fluorescent and HID

MAX LITE™ is a lighting management system that is designed to control power consumption and lighting levels of discharge lamps - Fluorescent and HID. MAX LITE™ can be pre-programmed to reduce energy consumption to energy saving levels according to time of the day using proprietary software. It also maximizes energy efficiency, comfort & satisfaction by providing proper light levels.

MAX LITE™ may be used to reduce energy costs by reducing the input power to the lighting system based on levels of light required. MAX LITE™ has a built in time-programmable controller to schedule the amount of power to be supplied to the system based on times of peak demand and low demand, bright sunny days or dark days hence reducing costly utility charges that can be a significant component of the total utility cost.

MAX LITE™ can also be used to save energy during periods when the space is unoccupied but needs to stay lighted for safety or security reasons. This system enables commercial, industrial, retail and institutional users to have the capability to reduce cost on lighting up to 40 percent.

How Does MAX LITE™ Work ?

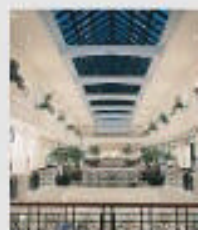
As per theory of operation, discharge lights normally need a certain amount of voltage to start a stable arc, but they don't need as much to maintain the arc. Once the arc has been established, less voltage is needed to maintain that arc. After a pre-defined startup time, which varies depending on the lighting system, the voltage can be dropped to a level that can maintain the arc. MAX LITE™ applies this principle to cut electricity usage in lighting systems, which reduces operating costs for electricity used on ballasts and lamps.

To eliminate wastes of lighting energy, MAX LITE™ uses microcontroller and autotransformer to control power to give optimal lighting levels determined by the working environment. Autotransformer in MAX LITE™ will start and operate lamps at full voltage for a time (about 5-15 minutes) and then reduce voltage gradually to maintain the stability of the lamp arc.

The microprocessor in MAX LITE™ which is the brain, allows the system to program the daily schedule, and set up the levels of lighting & energy savings desired.

In addition to significant energy savings, MAX LITE™ also helps the users to extend the life of lamps & ballast, and also reduces heat load on building hence reducing the cost of air conditioning systems usage.

- * Cafeterias
- * Lobbies
- * Banks
- * Bookstores
- * Gas Stations
- * Restaurants
- * Car Dealers
- * Convenient Stores
- * Government Facilities
- * Institutions



Department Stores

HID

Optimize multiple end-user

Lighting demand

Energy and energy



MINIMIZE YOUR LIGHTING ENERGY COST WITH MAX LITE™

Product Application

- * Schools
- * Shopping Centers
- * Conference Rooms
- * Corridors
- * Classrooms
- * Outdoor Parking
- * Sports Facilities
- * Commercial Buildings
- * Hotels
- * Airports
- * Hospitals
- * Apartments
- * Condominiums
- * Department Stores
- * Supermarkets
- * Warehouse Facilities
- * Manufacturing Facilities
- * etc.

Features and Benefits

- * For use with discharge lamps - fluorescent and High Intensity Discharge (HID) lamps
- * Set energy consumption pattern to match the demand of the working environment
- * Program the schedule of daily lighting operation up to 6 sequences
- * 4 lighting (energy saving) levels and on/off scheduling can be preset for specific hours of lighting operation
- * Reduce energy cost of discharge lamps up to 40% depending on setting level and type of ballasts
- * Reduce air condition work load due to reduction in ballast & lamp's heat generation resulting in reduction in HVAC power consumption (indirect savings)
- * Able to reduce peak demand
- * LED indicator when in use
- * LCD Display - 20-line text and 2-line menu bar
- * 4 user friendly functions
- * Easy installation with existing lighting circuits - no bulb or ballast replacement necessary
- * Short Interruption monitoring to prevent the lamps turn off when operating in DIM mode
- * Battery backup for clock circuit to prevent the data loss when the electricity is down
- * Thermal circuit protection to prevent transformer burn out
- * No harmonics distortion generated
- * Extend life of ballast and lamp components
- * Each MAX LITE™ can manage from 1 to 50 light bulbs (36W)
- * Low initial cost
- * ROI less than 1 year (depending on hours of use, energy saving levels, and type of lamps & ballasts)
- * Virtually maintenance-free
- * Three years limited warranty



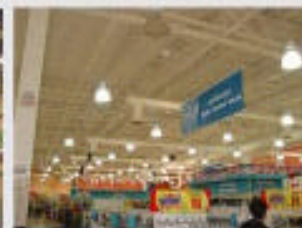
Sports Facilities



Warehouse Facilities



Airports



Superstores

Specifications

	Fluorescent Lamps	HID Lamps
Part Number	11603-100	11603-300
Model	8000	9000
Voltage	220 - 240 VAC	220 - 240 VAC
Frequency	50/60 Hz	50/60 Hz
Load	2 KVA	2 KVA
Current	10 A	10 A
Dimension	150 mm (W) x 260 mm (L) X 95 mm (H)	150 mm (W) x 260 mm (L) X 95 mm (H)
Weight	5 KG	5 KG

Savings Chart

Conditions		Level 1	Level 2	Level 3	Level 4
Magnetic Ballast 	Energy Saving	25%	30%	35%	40%
	Light Reduction	21%	25%	29%	32%
Electronics Ballast 	Energy Saving	10%	15%	20%	25%
	Light Reduction	8%	12%	18%	24%

Installation

MAX LITE™ is easily installed on the existing lighting circuits. It is recommended to install it between a circuit breaker from existing lighting panel and the lighting load as shown in diagram below.



www.interworldgroup.com

Dealer :



InterWorld®
Your Global Resource

