



M465 SERIES

Lumasense II

Motion Sensing Bi-Level Lighting System OSS/Advanced Occupancy Sensing System Linear T8 Fluorescent Luminaire

Fixture Type: _____

Job Information: _____

SPECIFICATIONS:

- A unique new idea in energy savings and management. The Lumasense II is a motion sensing bi-level ceiling or wall luminaire. It incorporates Mercury Lighting's latest technology, OSS/advanced occupancy sensing system. Compact wrap-around design complies with all ADA requirements for public areas.
- Stairwells and similar low traffic public areas in commercial and residential buildings require lighting around the clock for safety and security. In reality, the occupancy of these areas can be nearly zero. The OSS technology provides a very low stand-by level of illumination. It uses an extremely sensitive ultrasonic occupancy sensor to detect any movement. It will even sense a stairwell door opening, where upon the luminaire instantly increases to full brightness. After occupancy is no longer detected the luminaire returns to the low stand-by level.
- The Lumasense II is available with optional emergency battery back up to further fill the requirements for emergency egress from buildings. Various lumen output packages are available to meet state and municipal building and fire codes.
- The Lumasense II with OSS technology is available with four different operating systems.
- System One: Programmed start 0-10Volt dimming ballast. Low voltage high frequency ultrasonic occupancy sensor internally mounted with a 24V power pack. Stand-by level power board internally mounted and factory set to 20%, 40%, or 60%. (+/- 5% due to line voltage variations.) Can be field reset to any of these levels or reset to 100%. This will be the output of the lamps in stand-by mode. When movement is detected the luminaire instantly increases to full brightness.
- System Two: Programmed start 0-10Volt dimming ballast. Low voltage high frequency ultrasonic occupancy sensor internally mounted with a 24V power pack. Stand-by mode will be 5% output of the lamps. When movement is detected the luminaire instantly increases to full brightness.
- System Three: For two-lamp units only. One programmed start 1-lamp ballast and one instant start 1-lamp ballast. Low voltage high frequency ultrasonic occupancy sensor internally mounted with a 24V power pack. Instant start ballast operates one-lamp at 100% output. Programmed start ballast operates the other lamp in an off stand-by mode. When movement is detected this ballast instantly increases lamp to full brightness. After occupancy is no longer detected this ballast returns lamp to it's off stand-by level.
- System Four: One programmed start ballast. Low voltage high frequency ultrasonic occupancy sensor internally mounted with a 24V power pack. Programmed start ballast operates lamps in an off stand-by mode. When movement is detected this ballast instantly increases lamps to full brightness. After occupancy is no longer detected this ballast returns lamps to the off stand-by level.
- Housing: Die formed from code grade cold rolled steel with galvanized steel ends riveted into place. An internal ballast cover/reflector is easily removed for wiring access. One-piece hardware-free end caps are drawn with a 5/8" flange on three sides to overlap and secure the diffuser. End caps slide-on and lock into place without unsightly screws or other hardware. Optional tamperproof screws are available. Back knockout cluster for direct attachment to a recessed junction box. Finished with a high quality white enamel paint offering an 87% reflectivity.
- Diffuser: A one-piece clear diffuser is extruded from 100% virgin acrylic material with an evenly spaced pattern of conical prisms on the bottom panel and inside linear prisms along the sides. Provides superior performance, light control, and long lasting service.
- Optional Diffuser: A contemporary looking acrylic smooth white diffuser provides a soft and clean appearance with total lamp obscurity.
- Optional Unbreakable Diffuser: A clear extruded diffuser from unbreakable polycarbonate material has conical and linear prisms. For use in areas subject to vandalism and abuse.
- Lamps/Lengths: One or two-lamp cross section. Fluorescent 4Ft/32W-T8. Others on request.
- System One and Two Ballast: One or two-lamp electronic dimming ballast, programmed start, high power factor, THD less than 10%. Multi-volt operates a range from 120V-277V, 50HZ-60HZ. Minimum starting temperature 50F.
- System Three Ballasts: One single lamp electronic ballast, programmed start. One single lamp electronic ballast, instant start. High power factor, THD less than 10%. Multi-volt operates a range from 120V-277V, 50HZ-60HZ. Minimum starting temperature 32F.
- System Four Ballast: One or two-lamp electronic ballast, programmed start, high power factor, THD less than 10%. Multi-volt operates a range from 120V-277V, 50HZ-60HZ. Minimum starting temperature 32F.
- Occupancy Sensor: Watt Stopper FS-505C or equal, 40kHz ultrasonic sensor. Powered by a 24V internal power pack. Field adjustable time delay; 5, 10, 15 or 30 minutes. Field adjustable sensitivity. 72-hour lamp burn-in function.
- System One Power Board: Automatically dims ballast to factory set 20, 40, or 60% level. Can be field reset.
- Installations: Surface mounts individually, ceiling or wall orientation. Maximum mounting height off floor is 8ft for proper sensor operation. Obstructions such as exit signs can possibly impede proper sensor operation. Knockouts and four 1/4" mounting holes for secure anchoring. On request, row mounting, surface conduit entry, and surface mount junction box set-ups available.
- UL and CUL listed 1598 and bears their label. Suitable for dry locations or optional damp locations with UL Damp Label. Union made and labeled.
- Warranty: Five-year warranty on all electronic components; ballasts, occupancy sensor, power board. One-year on luminaire.



M465/MP65 SERIES Lumasense II

Fixture Type:

Job Information:

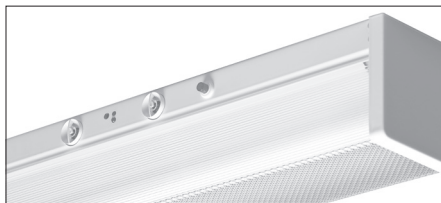
ORDERING DATA: Fill in boxes below with corresponding bold options.

Example: M465-232-OCT-A-ELBD-20-UNI-EMPK/I48

Series	No. of Lamps Cross	Lamp Wattage/Ea./ Nominal Fixture Length	Lamp Type	Diffuser Type	Operating System/ Ballast Type	Stand-By Power	Voltage	Emergency Battery Back Up	Misc.
M465 Lumasense II Series	1 Lamp 2 Lamps	32 32W-T8/48" As Specified.	OCT Linear T8	A Acrylic Prismatic Clear Diffuser. ASW Acrylic Smooth White Diffuser. PPC Unbreakable Polycarbonate (Lexan) Prismatic Clear Diffuser.	ELBD System #1. One T8 0-10V Electronic Dimming Ballast, Programmed Start. FS-505C Sensor or equal. Stand-By Level Power Board Factory Set to Dim to 20, 40, or 60% Level. Can Be Reset in Field. ELBD5 System #2. One T8 0-10V Electronic Dimming Ballast, Programmed Start. FS-505C Sensor or equal. Dims to 5% Stand-By Level Only. ELB2 System #3. For Two-Lamp Units Only. One 1-Lamp T8 Electronic Ballast, Programmed Start, Wired to Sensor. One 1-Lamp T8 Electronic Ballast, Instant Start. FS-505C Sensor or Equal. Stand-By Level 50% Only. ELBS System #4. One T8 Electronic Ballast, Programmed Start, Wired to Sensor. FS-505C Sensor or Equal. Stand-By Level is "Off Mode".	20 20% Stand-By/ System #1. Factory Set, Field Reset. 40 40% Stand-By/ System #1. Factory Set, Field Reset. 60 60% Stand-By/ System #1. Factory Set, Field Reset. 5 5% Stand-By/ System #2. 50 50% Stand-By/ System #3. 0 0% Stand-By/ System #4.	UNI T8 Universal Voltage, Multi-Volt 120V-277V, 50HZ-60HZ.	Leave Blank No EMPK Required. EMPK/I32 I-32 or Equal 475 Lumens. One T8 Lamp. EMPK/I48 I-48 or Equal 700 Lumens. One T8 Lamp. Two T8 Lamps With Systems #1, #2 or #4 Only. EMPK/I320 I-320 or Equal 1350 Lumens. One T8 Lamp. Two T8 Lamps With Systems #1, #2 or #4 Only. EMPK/I232 I-232 or Equal 1400 Lumens. Two T8 Lamps With Systems #1, #2 or #4 Only. EMPK/I880 I-880 or Equal 2000 Lumens. One 32W-T8 Lamp. Two 32W-T8 Lamps With Systems #1, #2 or #4 Only.	TP Tamper-Proof Screw Each End. Vandal-Proofing Component. DL UL Damp Labeled. Order Separately TPT Tamperproof Screwdriver



Stairwell Location



Sensor Detail

DIMENSIONAL DATA/CROSS SECTIONS

