LED Important Safety Instructions

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a **qualified licensed electrician.**
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in above manner, replacing damaged gaskets as necessary.
- **DO NOT INSTALL DAMAGED PRODUCT!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- Recycle: For information on how to recycle LED electronic products, please visit www.epa.gov.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to Acuity Brands Lighting, Inc.

WARNING: RISK OF ELECTRIC SHOCK

- ✓ Disconnect or turn off power before installation or servicing.
- ✓ Verify that supply voltage is correct by comparing it with the luminaire label information.
- ✓ Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- ✓ All wiring connections should be capped with UL approved recognized wire connectors.

WARNING: RISK OF BURN

- ✓ Allow lamp/fixture to cool before handling. Do not touch enclosure or light source.
- ✓ Do not exceed maximum wattage marked on luminaire label.
- ✓ Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/methods, replacement and recycling.

CAUTION: RISK OF INJURY

- ✓ Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- ✓ Avoid direct eye exposure to the light source while it is on.

CAUTION: RISK OF FIRE

- ✓ Keep combustible and other materials that can burn, away from lamp/lens.
- ✓ Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.

Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.
Please see product specific installation instructions for additional warnings or any applicable FCC or other regulatory statements.

Failure to follow any of these instructions could void product warranties.
For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com.

LED Important Safety Instructions

CAUTION: RISK OF PRODUCT DAMAGE

- ✓ Never connect components under load.
- ✓ Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- ✓ Controls for dimming, auto-sensing, or remote control of a luminaire that are not factory-wired to the luminaire must be checked for compatibility with the luminaire prior to installation. LED fixtures must be powered directly off a switched circuit.
- ✓ Unless individual product specifications deem otherwise: Do not restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- ✓ Unless individual product specifications deem otherwise: Do not exceed fixtures maximum ambient temperature.
- ✓ Only use fixture in its intended location.
- ✓ LED products are Polarity Sensitive. Ensure proper Polarity before installation.
- ✓ Electrostatic Discharge (ESD): ESD can damage LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.
- ✓ Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- ✓ Some components inside the fixture may not be serviceable. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative for assistance.
- ✓ Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.
- ✓ Always ensure that the electrical distribution system is up to NEC (and any applicable local code) requirements.
- ✓ Verify that power distribution system has proper grounding. Lack of proper earth ground can lead to fixture failure and may void warranty.

Choose either Part 15 OR Part 18 and move to Page 3 Installation Instructions under Delivery. Outdoor will always use Part 15.
All luminaires that contain electronic devices that generate frequencies above 9kHz from any component within the luminaire comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference
(2) This device must accept any interference received, including interference that may cause undesired operation

This device complies with Part 18 of the FCC Rules but may cause interference with cordless and cell phones, radios, televisions, and other electronic devices. To correct the problem, move the device away from the luminaire or plug into a different outlet. This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communications equipment operating between 0.45-30MHz.

Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.
Please see product specific installation instructions for additional warnings or any applicable FCC or other regulatory statements.

Failure to follow any of these instructions could void product warranties.
For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com.

Aculux®	Distech Controls™	Healthcare Lighting®	Juno®	nLight®
AEL®	DTL®	Holophane®	Lithonia Lighting®	Peerless®
aLight	eldoLED®	Hydrel®	Luminaire LED	Reloc®
Atrius®	Euerka	Indy™	Luminis®	Sensor Switch®
Cyclone	Gotham®	IOTA®	Mark Architectural Lighting™	Sunoptics®

Acuity Brands Lighting, Inc. assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

© 2010-2022 Acuity Brands Lighting, Inc. All rights reserved. | AB_1159601_0522_LED

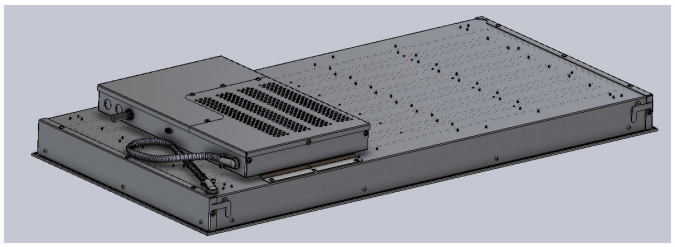
Observe NOPB

INSTALLATION INSTRUCTIONS

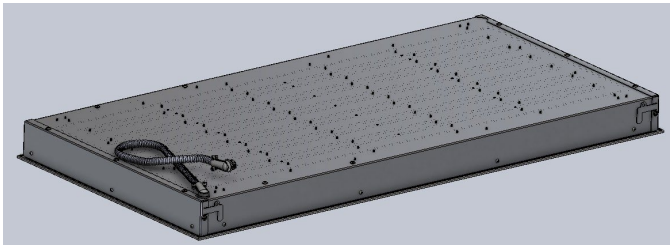
912-00536 REV. B 10/11/2024

A. General Identification of Observe NOPB luminaire(s):

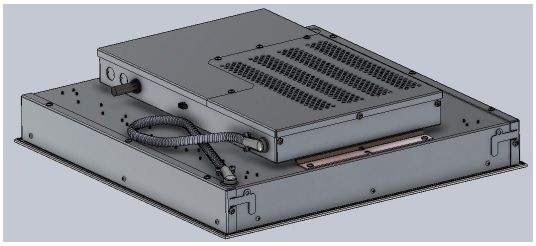
(SLVC VERSIONS SHOWN BELOW – ZT VERSION MAY HAVE ADDITIONAL IC DETECTORS ON DRIVER BOX AND/OR ADDITIONAL KNOCKOUTS)



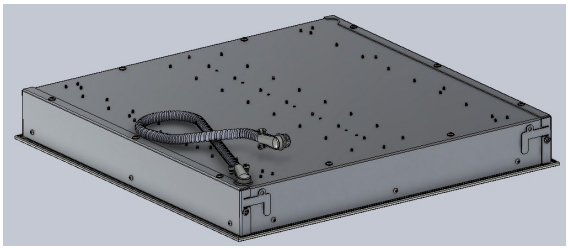
NOPB 2X4 DBXA



NOPB 2X4 RMDX

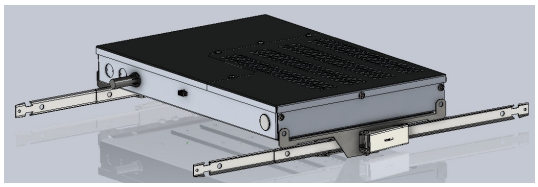


NOPB 2X2 DBXA

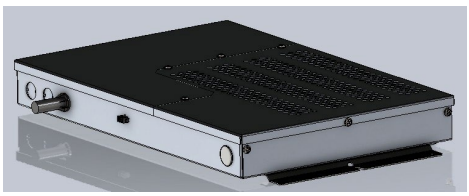


NOPB 2X4 RMDX

General Identification of Observe NOPB Remote Driver Box(es):



NOPB RMDG (GRID)



NOPB RMDS (SURFACE)

!REMOTE DRIVER BOX – NOT RATED FOR INSULATION CONTACT!

PRIOR TO INSTALLATION

- Read and familiarize yourself with the nomenclature and instructions before starting installation.
- Turn off electricity at the breaker panel or fuse box and follow National Electrical Code regulations and applicable local building codes.

One Lithonia Way, Conyers, GA 30012 • Tel.: 800.705.SERV(7378) • Email: • Website: https://acuitybrands.com/

AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

B. Installation:

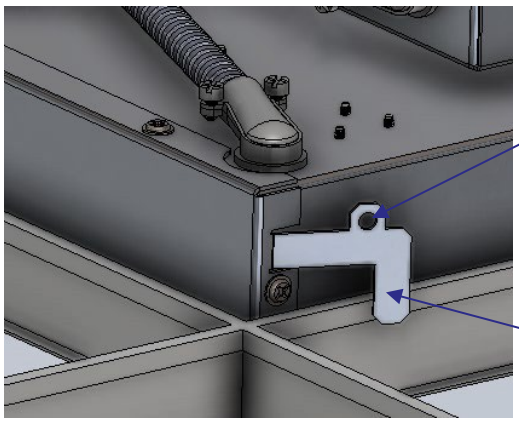
****Caution:** MAKE SURE LUMINAIRE IS MOUNTED TO A SECURE STRUCTURE. USE APPROPRIATE MOUNTING HARDWARE TO INSTALL FIXTURE RATED FOR YOUR APPLICATION. FAILURE TO MOUNT FIXTURE CORRECTLY COULD RESULT IN SERIOUS INJURY.

***ABOVE CEILING ACCESS REQUIRED**

- RETAIN THESE INSTALLATION INSTRUCTIONS

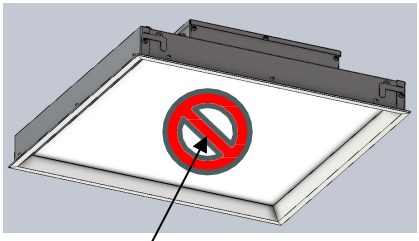
DBXA – driver box attached

1. Place the fixture in the appropriate T-Bar ceiling structure. Handle fixture by the frame. DO NOT PUSH ON LENS.
2. Bend the built in T-Bar clips to secure the fixture to the T-Bar ceiling, or use hanger wire hole (see Figure 1). Secure T-Bar clips to the T-Bar ceiling with fasteners (not provided) as local codes dictate.
3. Remove non-perforated driver box cover (see Figure 2) and make electrical connections from supply and dimming circuit if applicable (ZT). Properly ground as local codes dictate. Re-install non-perforated driver box cover when wiring is complete. If SLVC optioned luminaire refer to pages 9 thru 11 for controls wiring.



HANGER WIRE ATTACHEMENT POINT (secure to appropriate structure for weight)

BEND OUT CLIPS TO RETAIN T-BAR (4X)



!DO NOT PUSH ON LENS!

FIGURE 1

TOOLS REQUIRED FOR INSTALLATION *(by others)*

- Safety Glasses
- Protective Gloves
- Philips Screwdriver (No. 2)
- Wire Strippers

3X Philips FASTENERS

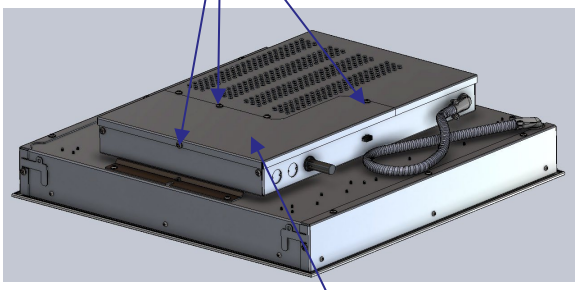


FIGURE 2

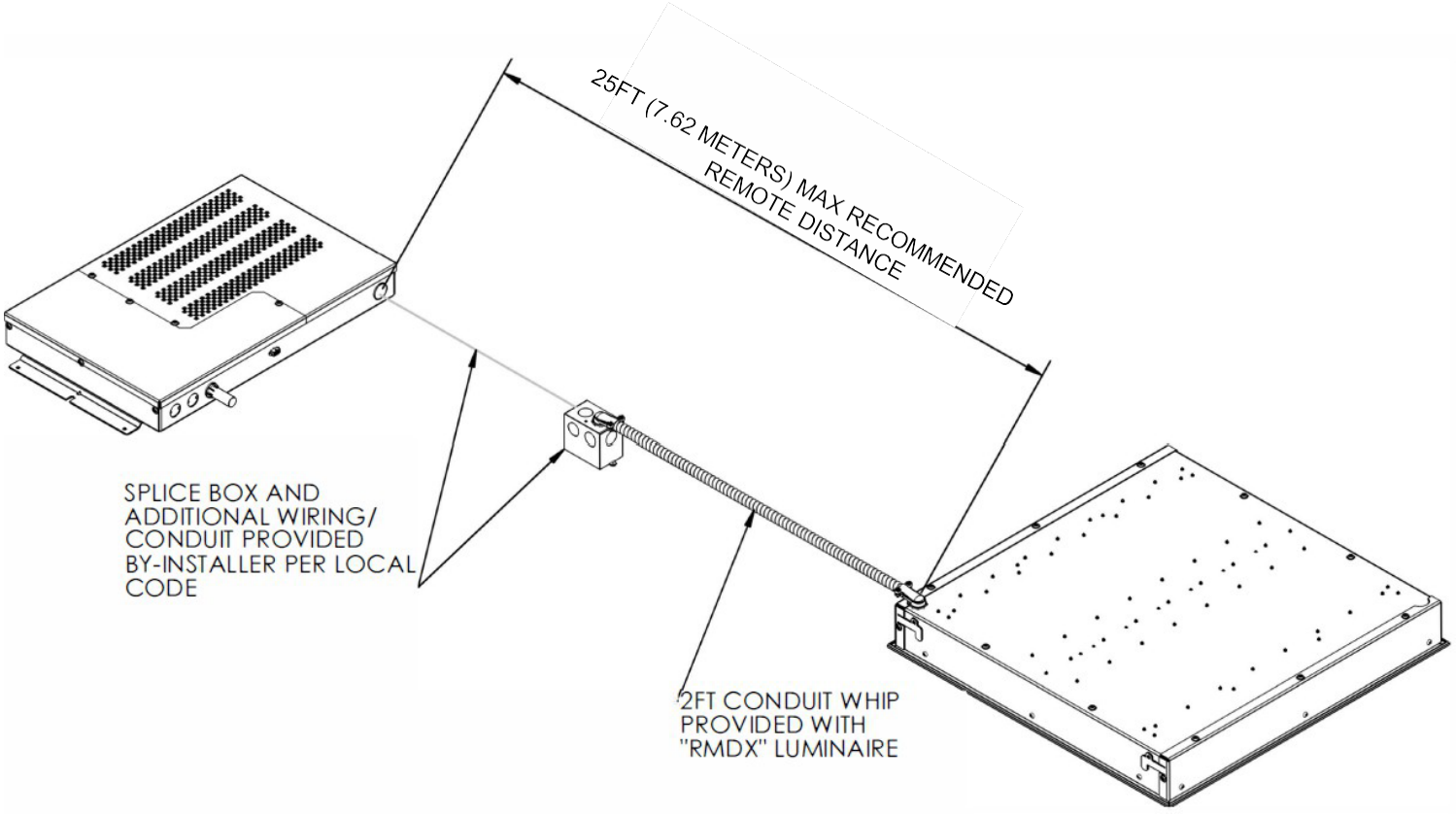
NON-PERFORATED DRIVER BOX COVER

AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

B. Installation cont.:

RMDG/S – remote mounted driver box

1. Place the fixture in the appropriate T-Bar ceiling structure. Handle fixture by the frame. DO NOT PUSH ON LENS.
2. Bend the built in T-Bar clips to secure the fixture to the T-Bar ceiling, or use hanger wire hole (see Figure 1). Secure T-Bar clips to the T-Bar ceiling with fasteners (not provided) as local codes dictate.
3. Locate remote driver box and install as local codes dictate. Max recommended remote mount distance is 25 feet (7.62 meters), 20ga min. Additional conduit/wiring provided by-others
4. Remove perforated driver box cover (see Figure 3) and remove KO plug. Make electrical connections from luminaire whip. Factory provided whip is labeled and color coded to match label in driver box. (see Figure 4) Re-install perforated driver box cover when wiring is complete.
5. Remove non-perforated driver box cover (see Figure 2) and make electrical connections from supply and dimming circuit if applicable (ZT). Properly ground as local codes dictate. Re-install non-perforated driver box cover when wiring is complete. If SLVC optioned luminaire refer to pages 9 thru 11 for controls wiring.



!REMOTE DRIVER BOX – NOT RATED FOR INSULATION CONTACT!

AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

B. Installation cont.: RMDG/S – remote mounted driver box

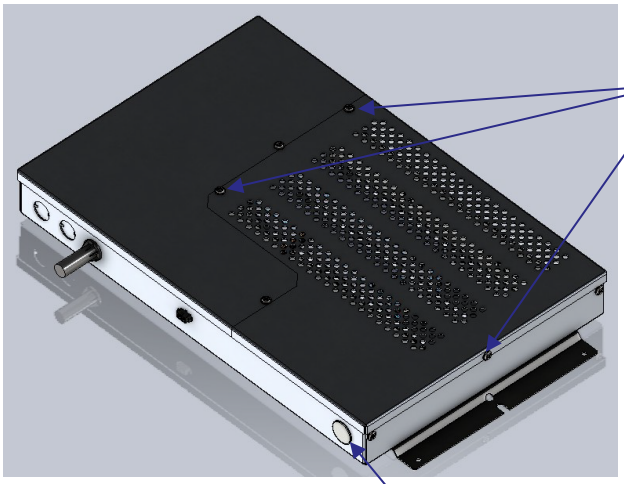
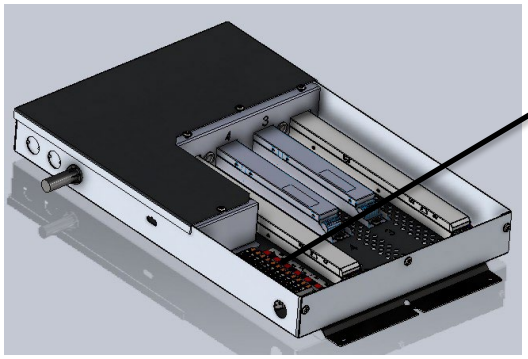
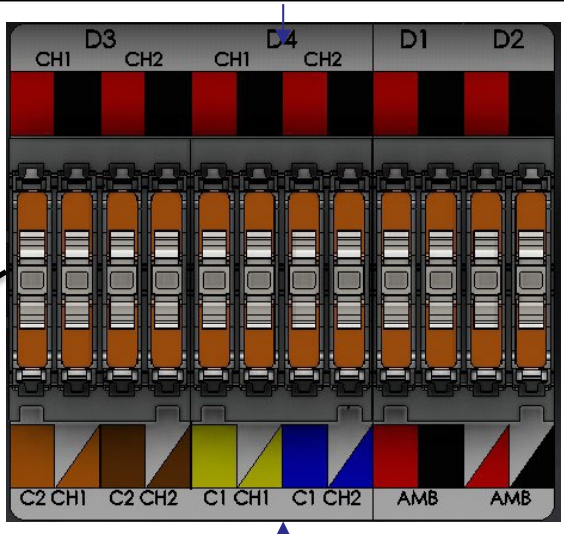


FIGURE 3

WIRING TO DRIVER(S) COORDINATED FROM FACTORY, NOT TO BE TOUCHED DURING INSTALL

*IMAGE SHOWN REFLECTS DRIVER BOX FOR 2X4 EXAM/SKY LUMINAIRE, # OF CONNECTORS PRESENT MAY VARY BASED ON OPTIONS ORDERED, INSTALL PROCESS DOES NOT DIFFER





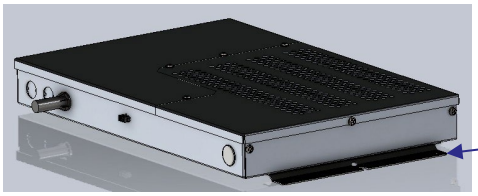
WIRING IN FACTORY PROVIDED 2FT WHIP IS COLOR CODED/LABELED TO MATCH LABELING INTERNAL TO DRIVER BOX, EXTENSION/COORDINATION OF CONNECTION IS RESPONSIBILITY OF INSTALLING CONTRACTOR PER LOCAL CODE

FIGURE 4

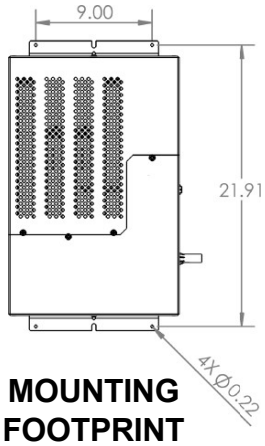
AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

B. Installation cont.: RMDG/S – remote mounted driver box

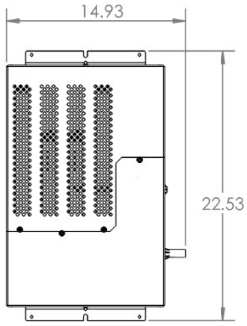
RDMS DETAIL - (SLVC VERSIONS SHOWN BELOW – ZT VERSION MAY HAVE ADDITIONAL IC DETECTORS ON DRIVER BOX AND/OR ADDITIONAL KNOCKOUTS)

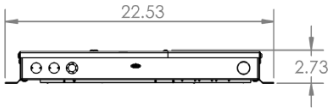


FORMED STEEL MOUNTING FEET (secure to appropriate structure for weight)



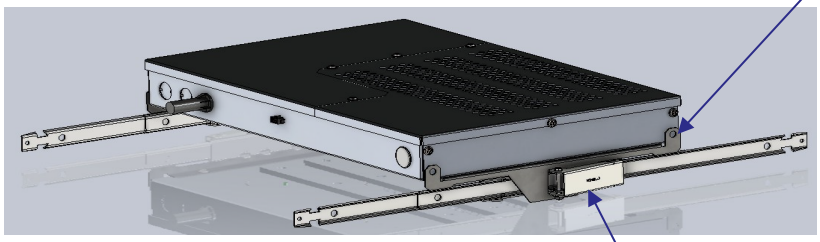
MOUNTING FOOTPRINT



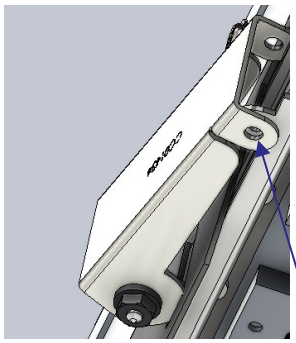


RDMG DETAIL - (SLVC VERSIONS SHOWN BELOW – ZT VERSION MAY HAVE ADDITIONAL IC DETECTORS ON DRIVER BOX AND/OR ADDITIONAL KNOCKOUTS)

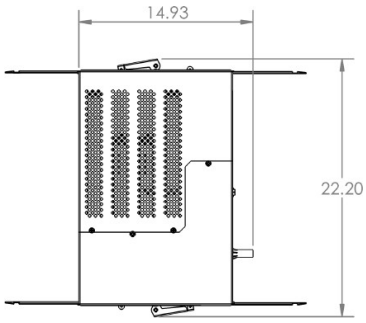
HANGER WIRE ATTACHEMENT POINT (secure to appropriate structure for weight)

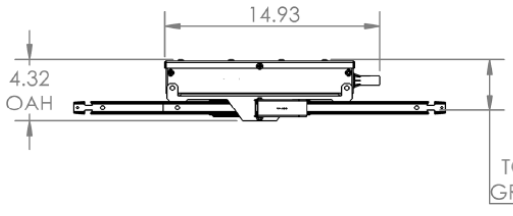


LEVER ALLOWS GRID MOUNTING BARS TO BE ADJUSTED TO SUIT GRID WIDTH



LEVER HAS PARAMETERS TO BE MECHANICALLY SECURED "CLOSED" WHERE REQUIRED BY CODE



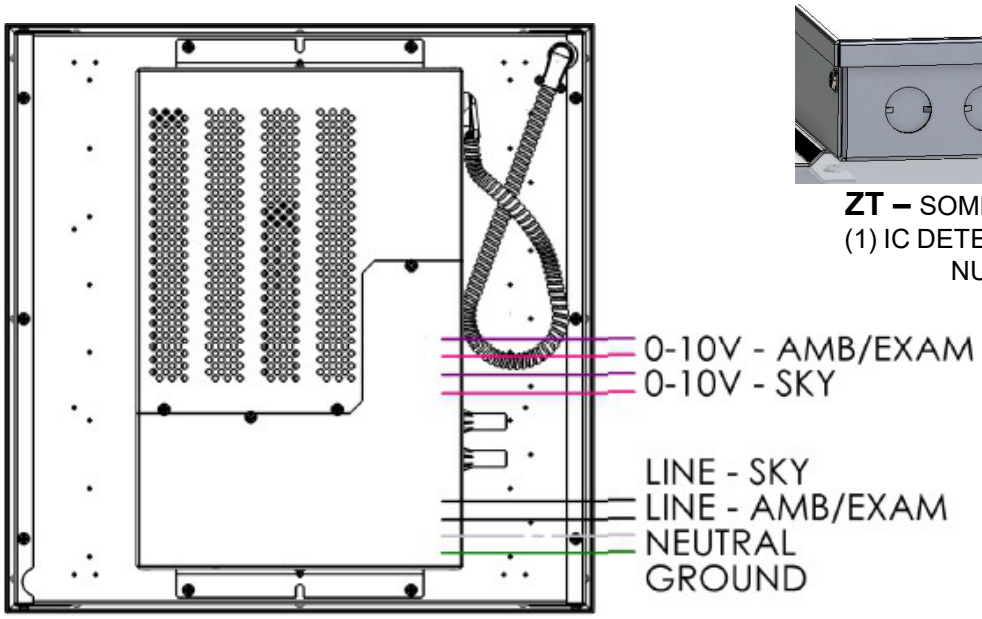


One Lithonia Way, Conyers, GA 30012 • Tel.: 800.705.SERV(7378) • Email: • Website: https://acuitybrands.com/

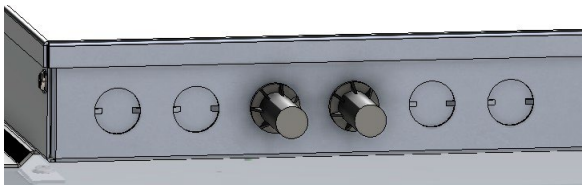
AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

C. Wiring Schematics:

ZT WIRING – !ALL INPUTS MUST BE FED FROM SAME BRANCH CIRCUIT!

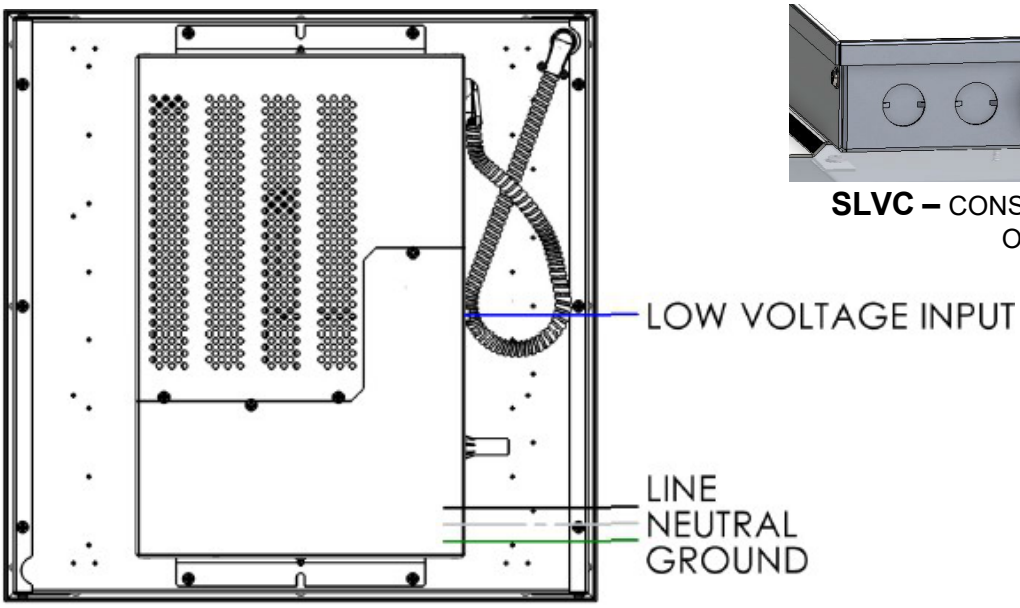


TYPICAL OF BOTH 2X2 AND 2X4 ZT

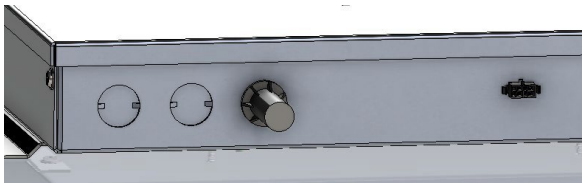


ZT – SOME OPTIONS MAY HAVE ONLY (1) IC DETECTOR PRESENT, BASED ON NUMBER OF CIRCUITS

SLVC WIRING – REFER TO PAGES 9 THRU 11 FOR FURTHER DETAIL ON LOW VOLTAGE INPUT WIRING



TYPICAL OF BOTH 2X2 AND 2X4 SLVC



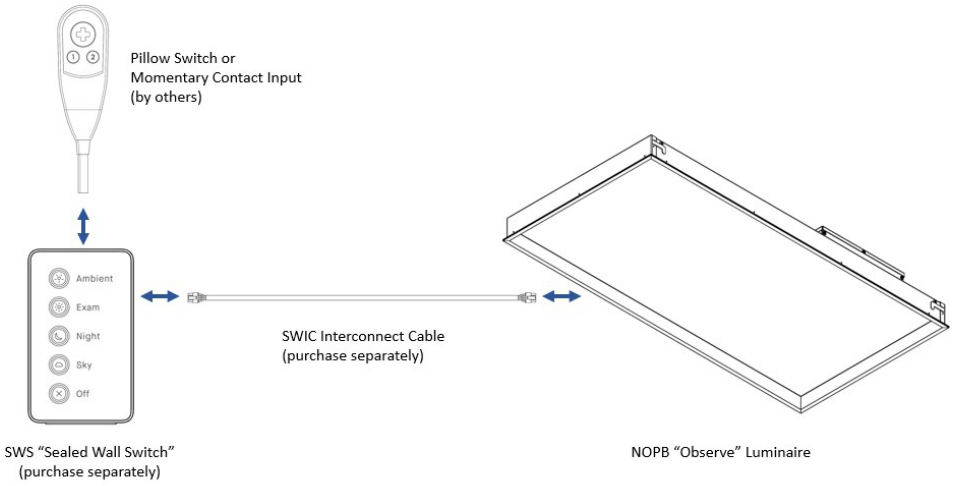
SLVC – CONSISTENT WITH ALL SLVC OFFERINGS

AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

C. Wiring Schematics cont.:

SLVC with SWS – System Schematic Diagram

Nightingale Luminaires integrate seamlessly with the SensorSwitch Sealed Wall Switch, enabling plug-and-play control of Exam, Ambient, Night, and Sky modes. Pillow switches can be paired with any SLVC-enabled Nightingale luminaire. Choose “SLVC” nomenclature when specifying luminaire controls.

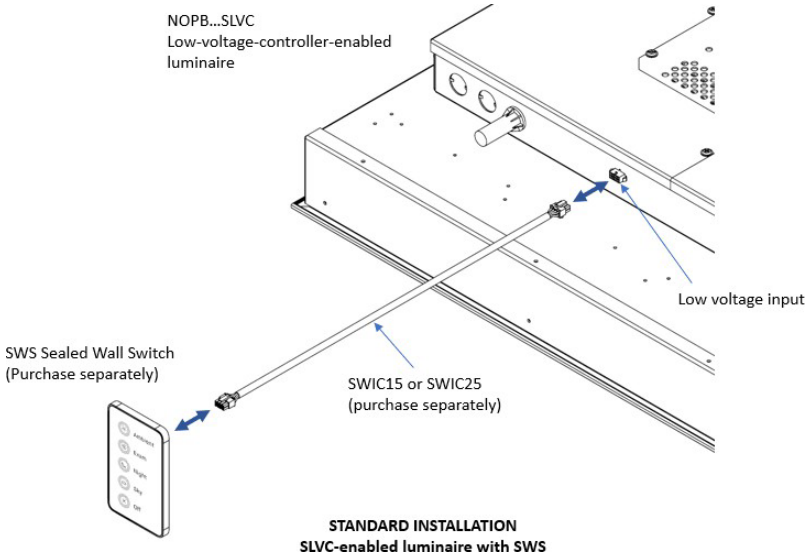


SYSTEM SCHEMATIC DIAGRAM

SLVC with SWS – Standard Installation

Connect SensorSwitch SWS Sealed Wall Switches using SWIC interconnect cables for plug-and-play simplicity. All connections are Class 2 low voltage, enabling design flexibility and ease of installation.

In *standard installations*, a single SLVC-enabled luminaire is controlled by the SWS.



STANDARD INSTALLATION
SLVC-enabled luminaire with SWS

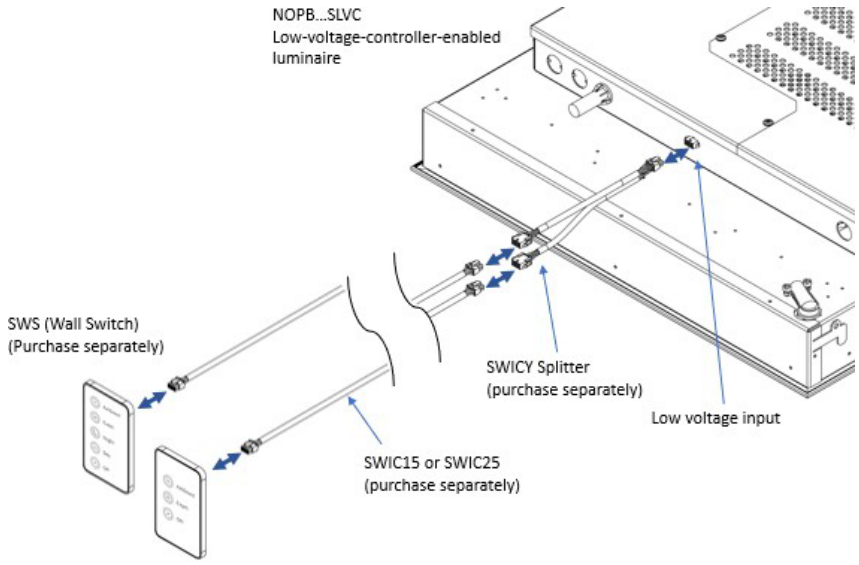
AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. “Nightingale” is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

C. Wiring Schematics cont.:

SLVC with SWS – Installation

Connect SensorSwitch SWS (wall switches) using SWIC interconnect cables for plug-and-play simplicity. All connections are Class 2 low voltage, enabling design flexibility and ease of installation.

For applications requiring *multiple wall stations* (example: headwall and room entrance or family area), the SWICY splitter cable is used.

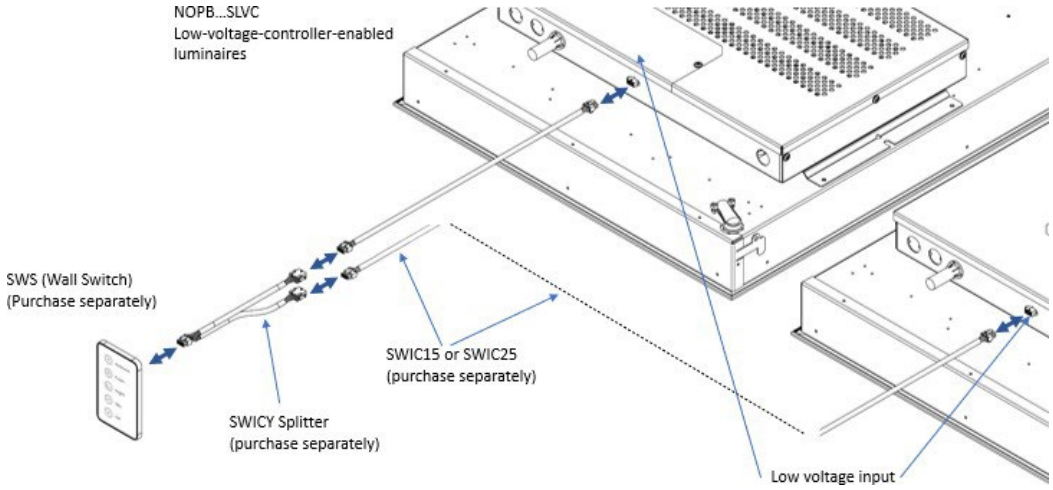


SLVC-enabled luminaire with multiple SWS

SLVC with SWS – Multiple SWS INSTALLATION

Connect SensorSwitch SWS (wall switches) using SWIC interconnect cables for plug-and-play simplicity. All connections are Class 2 low voltage, enabling design flexibility and ease of installation.

To control multiple luminaires from a single (wall switch), the SWICY splitter cable is installed at the (wall switch).



Multiple SLVC-enabled luminaires with SWS

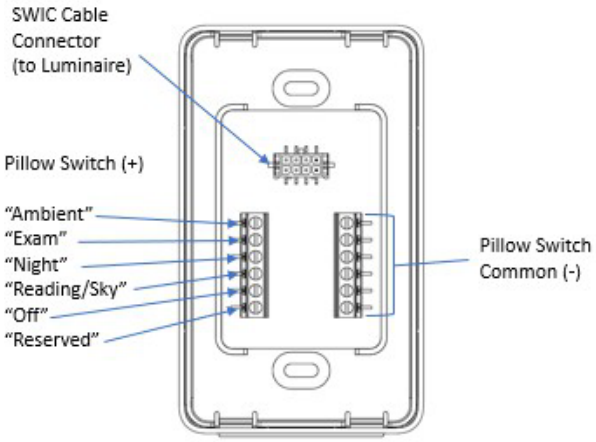
AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

C. Wiring Schematics cont.:

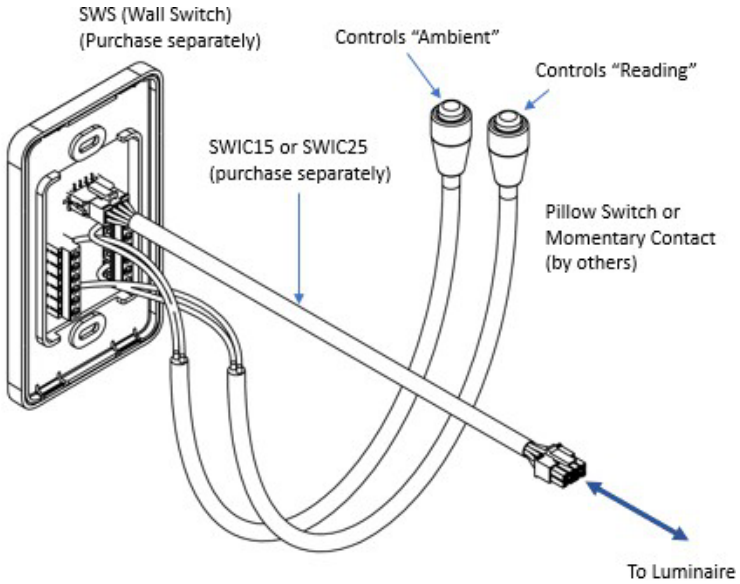
SLVC with SWS

Connect SensorSwitch SWS Sealed Wall Switches using SWIC interconnect cables for plug-and-play simplicity. All connections are Class 2 low voltage, enabling design flexibility and ease of installation.

The SWS Sealed Wall Switch can be used with a variety of pillow switch input configurations. Connect any momentary contact input to the corresponding terminal on the back side of the SWS. In the below example, two pillow switches are used, the first controlling the "Ambient" function, and the second controlling the "Reading" function.



SWS CONNECTIONS
(back view)

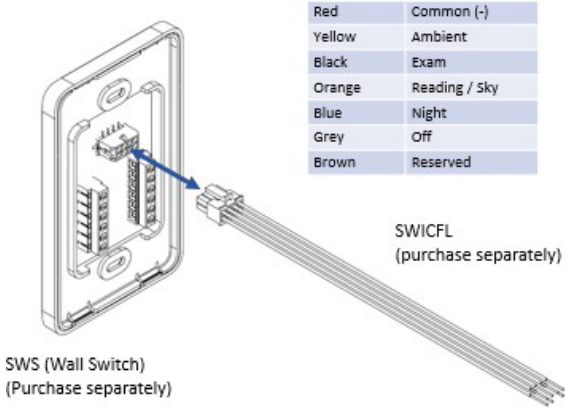


APPLICATION EXAMPLE:
TWO PILLOW SWITCHES

SWS with 'Flying Leads'

The SensorSwitch SWS Sealed Wall Switch can be used with any appropriate momentary contact input device. Connect the SWICFL to an SWS to connect to momentary contact input devices (by others)

Wire Color	Button/Function
Red	Common (-)
Yellow	Ambient
Black	Exam
Orange	Reading / Sky
Blue	Night
Grey	Off
Brown	Reserved



APPLICATION EXAMPLE:
FLYING LEADS

AcuityBrands. © 2021 Acuity Brands Lighting, Inc. All Rights Reserved. "Nightingale" is a registered trademark of Acuity Brands Lighting. Products in this document may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice. Limited warranty applies. Complete warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx