This installation guide package covers the following fixtures:

Families: NOVA
   Sizes: Small, Medium, & Large
   Style: Square, Round
   Type: Pendant

Depending on the exact fixture, one or more of the following guides will apply:
(click on any title below to go to that guide)

108-0001 - Installation Pendant Shallow Canopy
108-0002 - Installation Pendant Deep Canopy
108-0005 - Installation Pendant Stem Shallow Canopy  (applies to rigid and swivel stems)
108-0006 - Installation Pendant Stem Deep Canopy  (applies to rigid and swivel stems)
108-0042 - Nova - Pendant - Small - DRD

For more information, please contact ALW Technical Support:

   Email: techsupport@alwusa.com
   Phone: 1.510.489.2530 option 4
WARNING!

- Read all instructions before installing. Retain these instructions for future reference.
- Turn off power at main switch before installing or modifying the system. Never connect LED to LED driver while energized, this may result in damage to the LED.
- For installation by a qualified electrician.
- Damage due to incorrect connections can be detected at the factory and is not covered under warranty.
- Luminaire is intended for installation in accordance with National Electric Code and local regulations. Consult with local inspector to assure compliance.
- CAUTION – RISK OF SHOCK - RISK OF FIRE
  ATTENTION – RISQUE DE CHOC - RISQUE D’INCENDIE

NOTE

- MIN 90°C Supply Conductors
  LES FILS D’ALIMENTATION DOIVENT CONVENIR POUR 90°C
- May have a remote or internally mounted LED Driver depending on canopy or fixture selection. Remote mounted LED driver should be installed in accordance with National Electric Code and local regulations.
- The luminaire is designed to be mounted on a standard round, octagonal or rectangular junction box (supplied and installed by others).
- Premium drivers, refer to manufacturers wiring diagram.

applicable for the following product families

CORE | QUBE | TUBE | TILT | MODO | NOVA | INZA

Technical Support

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Installation Pendant Shallow Canopy, 108-0001 Rev A
INSTALLATION

• Attach the cross bar [2] to the junction box [1] using two 8-32 screws [3].
• Thread the cord [7] from the pendant through the strain relief [8] and threaded pipe nipple [5], then through the canopy [4], then through the hole in the center of the cross bar [2].
• Determine the desired final height of the pendant and tie a backup knot in the cord [7] above the cross bar [2]. Trim excess cord length if necessary.
• Inside the junction box [1], connect the wires using approved wire connectors as follows:

**Line Voltage Wiring Option (Internal LED Driver)**
1) Line: Black to Black
2) Neutral: White to White
3) Ground: Green to Green / incoming ground wire. Bond to junction box as required.

**NOTE:** Phase dimming drivers are 120V only.

**Low Voltage Wiring Option (Remote Mounted LED Driver)**
1) V– : Black wire from the pendant to the black or blue wire from the LED driver output.
2) V+ : White or red wire from the pendant to the red wire from the LED driver output.

**NOTE:** Polarity is critical. Reversing the polarity may result in damage to the LED or the driver.

• If using 0-10V dimmable LED driver, connect the gray (ground control) and purple (0-10VDC control) wires to the control wiring using the approved wire connectors.
• Slide the canopy [4] into position and then screw the strain relief / threaded pipe nipple [5+6] into the cross bar [2] until the canopy is secure against the finished ceiling. Supporting the weight of the pendant by holding the cord will make this easier.
• Secure the cord by tightening the nylon set screw [8] in the side of the strain relief.
• The connection between the cord and the pendant can be rotated to any desired position.
WARNING!
• Read all instructions before installing. Retain these instructions for future reference.
• Turn off power at main switch before installing or modifying the system. Never connect LED to LED driver while energized, this may result in damage to the LED.
• For installation by a qualified electrician.
• Damage due to incorrect connections can be detected at the factory and is not covered under warranty.
• Luminaire is intended for installation in accordance with National Electric Code and local regulations. Consult with local inspector to assure compliance.
• CAUTION – RISK OF SHOCK - RISK OF FIRE
ATTENTION – RISQUE DE CHOC - RISQUE D’INCENDIE

NOTE
• MIN 90°C SUPPLY CONDUCTORS
LES FILS D’ALIMENTATION DOVENT CONVENIR POUR 90°C
• May have a remote or internally mounted LED Driver depending on canopy or fixture selection. Remote mounted LED driver should be installed in accordance with National Electric Code and local regulations.
• The luminaire is designed to be mounted on a standard round, octagonal or rectangular junction box (supplied and installed by others).
• Premium drivers, refer to manufacturers wiring diagram.
INSTALLATION


Line Voltage Wiring Option (deep canopy)

- Feed the Line Voltage wires of the LED Driver [5] up through the center of the mounting bracket [2] and connect the wires using approved wire connectors as follows:
  1) Line: Black to Black
  2) Neutral: White to White
  3) Incoming ground wire: Bond to junction box as required.

  NOTE: Phase dimming drivers are 120V only.

- Attach the LED Driver to the mounting bracket using two 6-32 screws [4].

Low Voltage Wiring Option (for remote driver and deep canopy)

- Feed the Low Voltage wires of the fixture up through the center of the mounting bracket [2] and connect the driver output wires using approved wire connectors as follows:
  1) V-: Black wire from the pendant to the black or blue wire from the LED driver output.
  2) V+: White or red wire from the pendant to the red wire from the LED driver output.

  NOTE: Polarity is critical. Reversing the polarity may result in damage to the LED or the driver.

- If using 0-10V dimmable LED driver, connect the gray and purple control wires to the control wiring using approved wire connectors.

- Thread the cord [9] from the pendant through the strain relief [6] and threaded pipe nipple [7], then through the canopy [6], then through the hole in the center of the cross bar [10].

- Determine the desired final height of the pendant and tie a backup knot in the cord above the cross bar.

- Trim excess cord length, leaving at least 6” to make connections inside the junction box.

- Slide the canopy [6] into position and then screw the strain relief / threaded pipe nipple [7+8] into the cross bar [10] until the canopy is secure against the finished ceiling. Supporting the weight of the pendant by holding the cord will make this easier.

- Secure the cord by tightening the nylon set screw [12] in the side of the strain relief.

- The connection between the cord and the pendant can be rotated to any desired position.
WARNING!

• Read all instructions before installing. Retain these instructions for future reference.
• Turn off power at main switch before installing or modifying the system. Never connect LED to LED driver while energized, this may result in damage to the LED.
• For installation by a qualified electrician.
• Damage due to incorrect connections can be detected at the factory and is not covered under warranty.
• Luminaire is intended for installation in accordance with National Electric Code and local regulations. Consult with local inspector to assure compliance.
• CAUTION – RISK OF SHOCK - RISK OF FIRE
ATTENTION – RISQUE DE CHOC - RISQUE D’INCENDIE

NOTE

• MIN 90°C SUPPLY CONDUCTORS
LES FILS D’ALIMENTATION DOVENT CONVENIR POUR 90°C
• May have a remote or internally mounted LED Driver depending on canopy or fixture selection. Remote mounted LED driver should be installed in accordance with National Electric Code and local regulations.
• The luminaire is designed to be mounted on a standard round, octagonal or rectangular junction box (supplied and installed by others).
• Premium drivers, refer to manufacturers wiring diagram.
INSTALLATION

- Feed the fixture cable/wires from the fixture [9 & 10] up through the Stem [8].
- Feed the cable/wires from the top of the Stem [8] up through the Swivel [7] or Rigid [5].
  NOTE: The bottom of the Swivel is 1/8 IP and the top is 1/4 IP.
- Feed the cable/wires from the top of the Swivel [7] or Rigid [5] up through the Canopy [4].
- Connect the fixture wiring to the branch circuit wiring inside the junction box.

Line Voltage Option (Internal LED Driver)

  1. Line: Black to Black
  2. Neutral: White to White
  3. Ground: Green to Green / incoming ground wire. Bond to junction box as required.
  NOTE: Phase dimming drivers are 120V only.

Low Voltage Wiring Option (Remote Mounted LED Driver)

  1. V– : Black wire from the pendant to the black or blue wire from the LED driver output.
  2. V+ : White or red wire from the pendant to the red wire from the LED driver output.
  NOTE: Polarity is critical. Reversing the polarity may result in damage to the LED or the driver.

- If using 0-10V dimmable LED driver, connect the gray and purple control wires to the control wiring using approved wire connectors.
- Screw the 1/4IP pipe nipple on top of the Swivel [7] or Rigid [5], into the cross bar [2] until the bushing on the nipple is snug against canopy and the canopy is snug against the finished ceiling.
WARNING!

- Read all instructions before installing. Retain these instructions for future reference.
- Turn off power at main switch before installing or modifying the system. Never connect LED to LED driver while energized, this may result in damage to the LED.
- For installation by a qualified electrician.
- Damage due to incorrect connections can be detected at the factory and is not covered under warranty.
- Luminaire is intended for installation in accordance with National Electric Code and local regulations. Consult with local inspector to assure compliance.
- CAUTION – RISK OF SHOCK - RISK OF FIRE
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NOTE

- MIN 90°C SUPPLY CONDUCTORS
  LES FILS D’ALIMENTATION DOVENT CONVENIR POUR 90°C
- May have a remote or internally mounted LED Driver depending on canopy or fixture selection. Remote mounted LED driver should be installed in accordance with National Electric Code and local regulations.
- The luminaire is designed to be mounted on a standard round, octagonal or rectangular junction box (supplied and installed by others).
- Premium drivers, refer to manufacturers wiring diagram.

applicable for the following product families

CORE | QUBE | TUBE | TILT | MODO | NOVA | INZA
INSTALLATION

- The main bracket [2], crossbar [4], and LED driver [5] are pre-assembled at the factory.
- NOTE: The LED driver may appear different than the illustration depending on the fixture wattage.
- Connect the fixture wiring to the branch circuit wiring inside the junction box and ground the main bracket if required by your installation / local code.

Line Voltage Wiring (Internal LED Driver)

1) Line: Black to Black
2) Neutral: White to White
3) Ground: Green to Green / incoming ground wire. Bond to junction box as required.

NOTE: Phase dimming drivers are 120V only.

- If using 0-10V dimmable LED driver, connect the gray and purple control wires to the control wiring using approved wire connectors.
- Attach the main bracket assembly [2+4+5] to the junction box [1] using two 8-32 screws [3]. It may be necessary to temporarily remove the LED driver to access the correct mounting holes.
- Feed the low voltage wires from the fixture [12+13] up through the stem [11].
- Screw the stem [11] onto the 1/8IP nipple [12].
- (Optional) If the stem is long it may ship as multiple parts. The stem extensions [10] will have a pipe nipple on the bottom. Feed the wires up through the stem extension, then screw the extension to the previous stem section. Repeat as necessary.
- Feed the low voltage wires from the top of the stem up through the swivel [8+9] or the rigid [7]. The bottom of the swivel is 1/8IP and the top is 1/4IP.
- Screw the swivel [8+9] or the rigid [7] onto the top of the stem [10].
- Feed the low voltage wires from the top of the stem up through the canopy [6].
- Connect the low voltage wires from the fixture to the DC output of the LED driver.

Low Voltage Wiring

1) V– : Black wire from the pendant to the black or blue wire from the LED driver output.
2) V+ : White or red wire from the pendant to the red wire from the LED driver output.

NOTE: Polarity is critical. Reversing the polarity may result in damage to the LED or the driver.

- Screw the 1/4IP pipe nipple on top of the Swivel [8+9] or Rigid [7], into the cross bar [4] until the bushing on the nipple is snug against canopy and the canopy is snug against the finished ceiling.
WARNING!
• Read all instructions before installing. Retain these instructions for future reference.
• Turn off power at main switch before installing or modifying the system. Never connect LED to LED driver while energized, this may result in damage to the LED.
• For installation by a qualified electrician.
• Damage due to incorrect connections can be detected at the factory and is not covered under warranty.
• Luminaire is intended for installation in accordance with National Electric Code and local regulations. Consult with local inspector to assure compliance.
• CAUTION – RISK OF SHOCK - RISK OF FIRE
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NOTE
• MIN 90°C SUPPLY CONDUCTORS
LES FILS D’ALIMENTATION DOIVENT CONVENIR POUR 90°C
• May have a remote or internally mounted LED Driver depending on canopy or fixture selection. Remote mounted LED driver should be installed in accordance with National Electric Code and local regulations.
• The luminaire is designed to be mounted on a standard round, octagonal or rectangular junction box (supplied and installed by others).
• Ceiling pan INCLUDED with DRC or DTC ordering options for new construction.
• Install ceiling pan prior to finished ceiling to establish fixture location and temporary wiring termination.
• Ceiling pan can be shipped separately ahead of fixtures upon request.
• Premium drivers, refer to manufacturers wiring diagram.
WHAT’S IN THE BOX?

1) The fixture (may be round or square).
2) A polybag with two 8-32” screws [4], wire nuts (not shown).
3) A polybag with two 4-40” set screws and 4-40 hex key (not shown) (NOVA glow only).
4) LED driver (not shown).

INSTALLATION

• Cut a 2” hole in the ceiling material [2].
  - Do not cut this hole larger than 2” or the mounting plate [3] may not cover the hole.
  - The backing plate [1] and mounting screws [4] will accommodate ceiling materials 0.5” to 1.5” thick.
  - For thinner ceiling materials it may be necessary to add shims, or packers, between the backing plate [1] and the top of the ceiling material [2]. For thicker ceiling materials, use longer 8-32” screws than the provided 2” screws [4].
• The LED driver is mounted remotely.
  - The LED driver output is Class 2.
  - The suggested maximum distance 100’ using 18AWG or larger wiring.
  - The driver must be installed as per local code and the wiring from the driver to the fixture is provided by others.
• Thread the coaxial pendant cord [9] from the pendant through the strain relief [8] and the threaded pipe nipple [7], then through the canopy [5], then through the mounting plate [3].
• Determine the desired final height of the pendant and tie a backup knot in the cord [9] above the backing plate [3].
• Trim excess cord length, leaving at least 6” to make connections to the branch circuit.
• Strip outer jacket of coaxial pendant cord [9] to ~7/8”, then strand the braided conductor and twist. Then strip inner jacket of coaxial pendant cord [9] to ~3/8”. (figure b)
• Insert the backing plate [1] up through the hole in the ceiling material [2] and place it in the hole with the tabs facing down.
• Attach the mounting plate [3] to the backing plate [1] using the two 8-32” screws [4], only threading 1/4” of the screw. (figure a)
• Pull the LED driver output wiring down through the backing plate [1] and the ceiling material [2].

For Remote Mounted LED Driver

• Connect the LED wiring inside the fixture:
  1) V-: Braided outer conductor from coaxial pendant cord to the black or blue wire from the LED driver output.
  2) V+: Inner conductor from coaxial pendant cord to the red wire from the LED driver output.
  WARNING! Polarity is critical. Reversing polarity may result in damage to the LED or the driver.
• Push the wiring up through the ceiling material [2] and the hole in the backing plate [1].
• Finish tightening the mounting plate [3] to the backing plate [1] using the two 8-32” screws [4].
• Slide the canopy [5] into position and then screw the strain relief [8] and IP nipple [7] into the mounting plate [3] until the canopy is snug against the ceiling material [2]. Supporting the weight of the pendant by holding the cord will make this easier.
• Secure the cord by tightening the nylon set screw [6].
• The connection between the cord and pendant can be rotated to any desired position.

NOTE: Premium drivers, refer to manufacturer wiring diagram.