

### SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

#### APPLICATION

- UL1598, UL8750
- cUL, CSA C22.2 No. 250

- NEMA 4X/IP66
- NSF Splash Zone
- Suitable for operation in ambient -25°C to +55°C

#### CONFIGURATIONS

- 13,000 lumens
- 17,000 lumens
- 25,000 lumens

#### VOLTAGE OPTIONS

- UNV1: 120-277 VAC, 127-250 VDC
- UNV34: 347-480 VAC

#### ⚠ WARNING

To avoid the risk of fire or electric shock, this product should be installed, inspected and maintained by a qualified electrician only, in accordance with all applicable electrical codes. Verify power is in accordance with all applicable electrical codes.

#### ⚠ WARNING

##### To avoid electric shock:

Be certain electrical power is OFF before and during installation and maintenance. Luminaire must be supplied by a wiring system with an equipment grounding conductor.

##### To avoid burning hands:

Make sure lens and housing are cool before performing maintenance.

#### ⚠ WARNING

##### To avoid product degradation:

Do not operate in ambient temperatures above those indicated on the luminaire nameplate.

Use proper supply wiring as specified on the luminaire nameplate.

Avoid use in environments containing sulfur, chlorine or other halides, methyl acetate or ethyl acetate, cyanoacrylates, glycol ethers, formaldehyde or butadiene.

Mount luminaire a minimum of 3.65 inches from ceiling (chain mount).

Mount luminaire a minimum of 4 feet above floor.

Make sure the supply voltage is within the voltage range stated on the nameplate.

Use only replacement parts from Eaton's Crouse-Hinds Division.

Aircraft cable mounting is recommended for dry locations only.

Use only Eaton's Crouse-Hinds series parts for mounting luminaire.

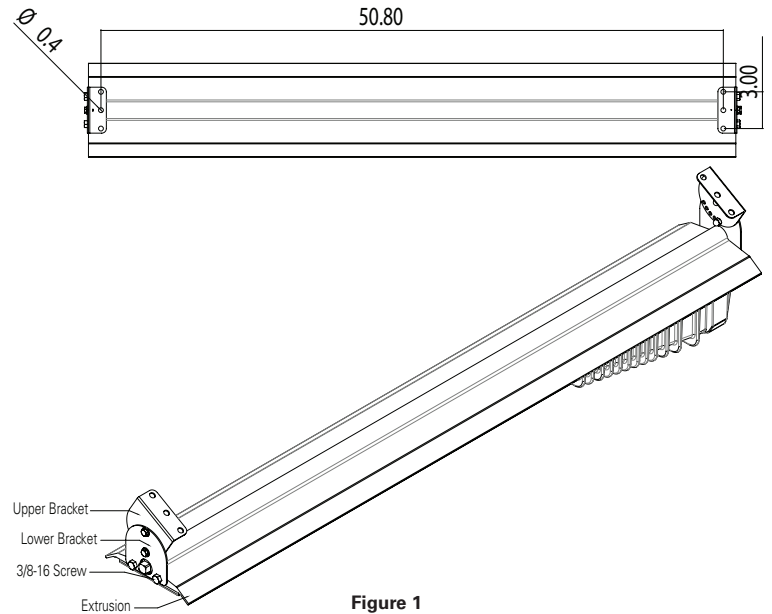


Figure 1

#### Chain Mount (Horizontal Mount Only):

1. Make sure that the power is disconnected to the conduit system before installing the fixture.
2. Prepare ceiling with desired hook or chains with sufficient strength to support the light fixture.
3. Mount the stainless steel chain mount brackets on luminaire using two (2) hex head 3/8-16 x 1/2" screws. Torque 3/8-16 screws to 236 in.-lbs.
4. Fixture is now ready for mounting with chain. Chain angle must be greater than 30° in relation to light fixture (see Figure 2A).
5. Use threaded connections for wiring entry and close unused opening with provided conduit plug. Torque plug or connecting conduit to the torque specification in Table 1.

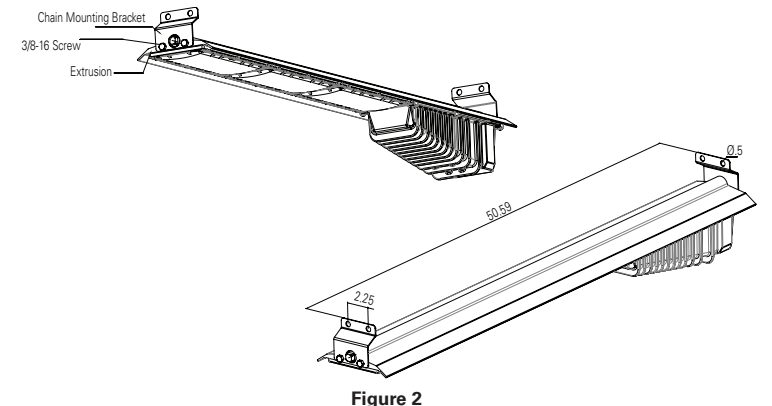


Figure 2

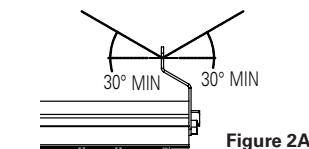


Figure 2A

#### INSTALLATION

##### Angular Bracket Mount (Horizontal Mount Only):

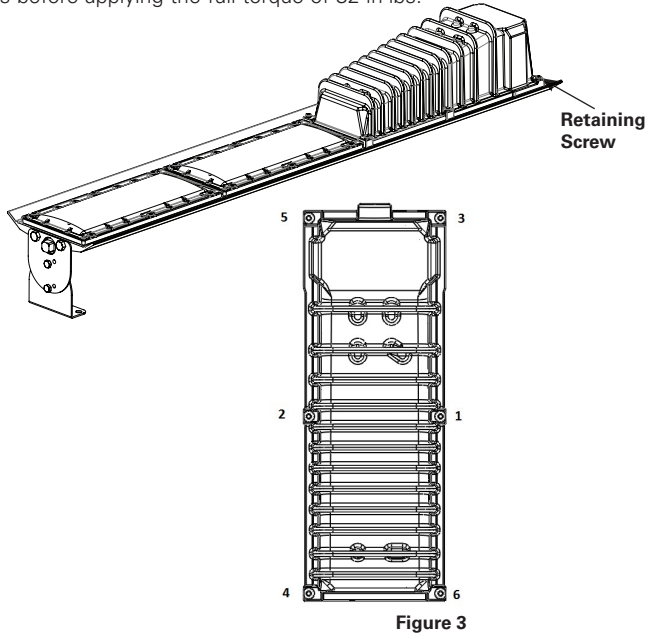
1. Make sure that the power is disconnected to the conduit system before installing the fixture.
2. Measure and mark four (4) holes to wall or ceiling for bolts at center-to-center measurement (see Figure 1). Mount upper bracket on the ceiling with sufficient strength to support the light fixture.
3. Install the stainless steel lower brackets to the luminaire with the hardware provided. Install the lower bracket using two (2) hex head 3/8-16 x 1/2" screws. Torque the 3/8-16 screws to 236 in.-lbs.
4. Use two (2) 1/4-20 screw and cap nut to assemble lower and upper brackets together in straight or angular orientation. Torque 1/4-20 screw and cap nut to 75 in.-lbs. Fixture is now ready for mounting.
5. Use threaded connections for wiring entry and close unused opening with provided conduit plug. Torque plug or connecting conduit to the torque specification in Table 1.

Torque Specification		
3/4" NPT	500 in.-lbs.	56 N-m
M25	756 in.-lbs.	85 N-m

Table 1

## WIRING

1. With the power shut off, use a No. 2 Pozidriv screwdriver to remove all six (6) retaining screws from the luminaire body.
- NOTE:** The screws are captive and will remain in the driver housing.
2. Lanyards are provided to hold the driver housing in position.
  3. If the luminaire contains the factory installed occupancy sensor, connect sensor wiring according to the wiring diagram in Figure 5. Otherwise, continue to the next step.
  4. Make required connections for input power and dimming (if applicable). For wiring diagrams, see Figures 6A or 6B depending on the model.
  5. Using a No. 2 Pozidriv screwdriver, reinstall the driver housing to the luminaire body. Install the retaining screws in the order shown in Figure 3. To ensure even compression of the gasket, start all six (6) screws 1-2 turns before applying the full torque of 32 in-lbs.

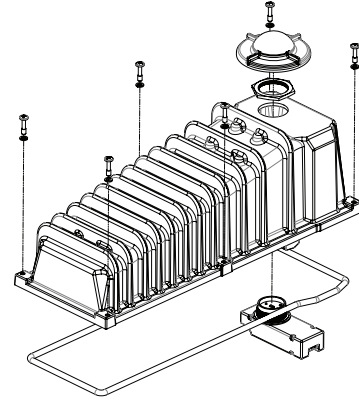


## OCCUPANCY SENSOR KIT INSTALLATION

1. With the power shut off, use a No. 2 Pozidriv screwdriver to remove all six (6) retaining screws from the luminaire body.
- NOTE:** The screws are captive and will remain in the driver housing.
2. Disconnect the input power to the LED driver and disconnect the blue and red leads from the LED driver to the LEDs.
  3. At this point, it is recommended that the fixture be taken down and moved to a work bench to complete the occupancy sensor kit installation.
  4. Remove the screws connecting the driver housing lanyard to the luminaire body.
  5. Remove the LED driver and install it into the new driver housing provided using the four (4) 8-32 screws, torqued to 20 in-lbs.
  6. Install the six (6) captive retaining screws into the driver housing.
  7. Install the new driver housing lanyards onto the luminaire body using the two (2) 8-32 screws included. Torque to 20 in-lbs.

### ⚠ WARNING

Failure to install the lanyards could result in injury.



8. See Wiring section to complete the installation.

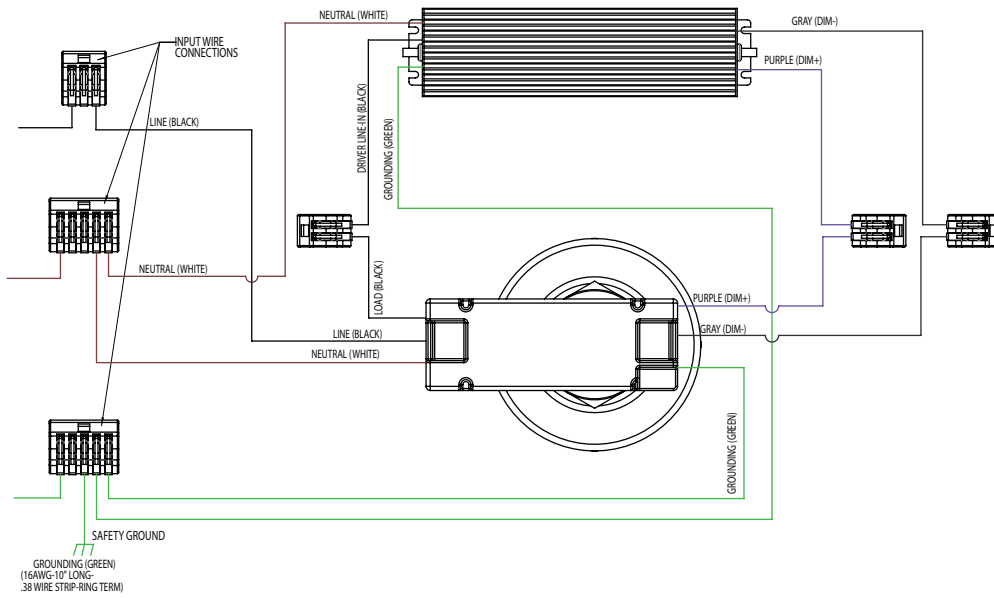


Figure 5

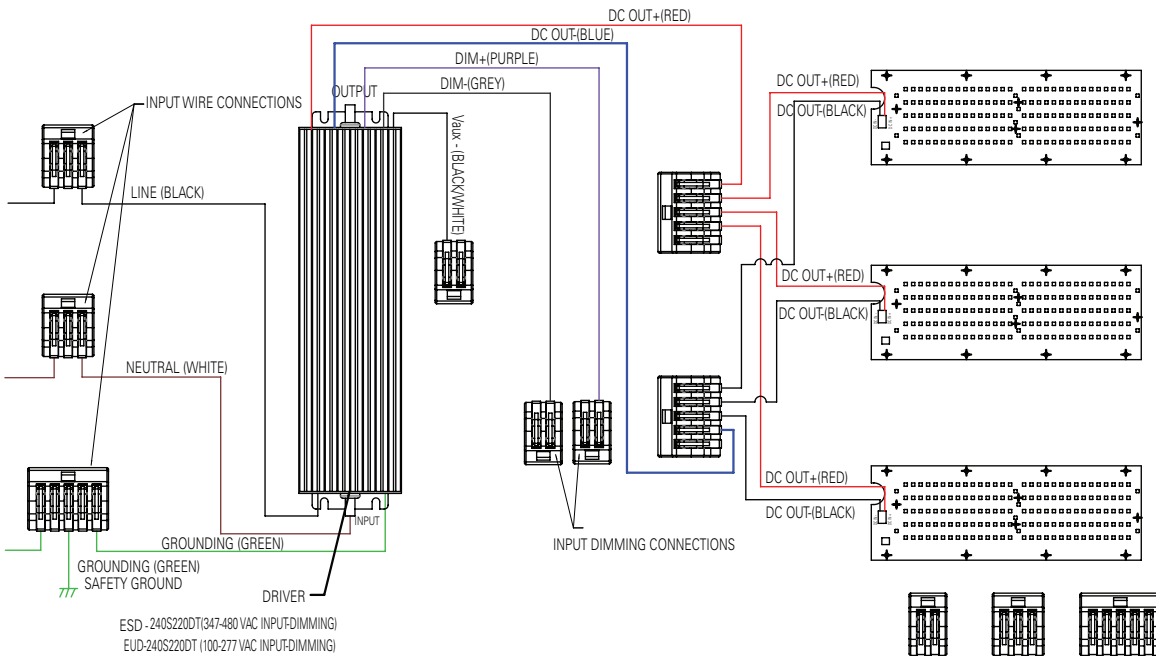





Figure 6A – Wiring Diagram (25L)

 WAGO PIN 222-412  
TWO CONDUCTOR  
TERMINAL BLOCK  
DRAWING #0306491
  WAGO PIN 222-413  
THREE CONDUCTOR  
TERMINAL BLOCK  
DRAWING #0306559
  WAGO PIN 222-415  
FIVE CONDUCTOR  
TERMINAL BLOCK  
DRAWING #0306560

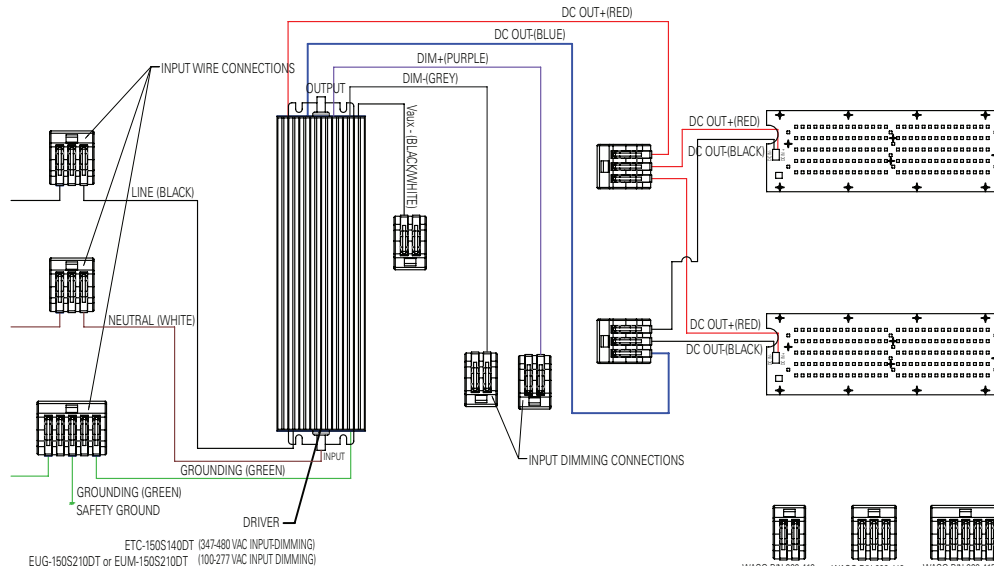





Figure 6B – Wiring Diagram (13L/17L)

 WAGO PIN 222-412  
TWO CONDUCTOR  
TERMINAL BLOCK  
DRAWING #0306491
  WAGO PIN 222-413  
THREE CONDUCTOR  
TERMINAL BLOCK  
DRAWING #0306559
  WAGO PIN 222-415  
FIVE CONDUCTOR  
TERMINAL BLOCK  
DRAWING #0306560

## DRIVER REPLACEMENT

1. With the power shut off, use a No. 2 Pozidriv screwdriver to remove all six (6) retaining screws from the luminaire body.

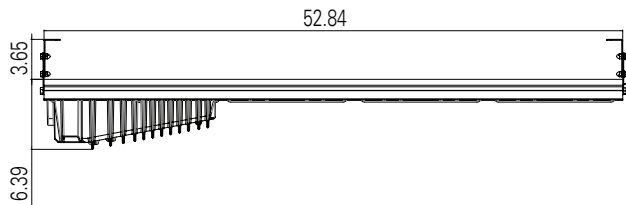
**NOTE:** The screws are captive and will remain in the driver housing.

2. Disconnect the input power to the LED driver and disconnect the blue and red leads from the LED driver to the LEDs.
3. Remove the driver from the housing and install the new driver using the four (4) 8-32 screws, torqued to 20 in-lbs.
4. See wiring instructions to complete the installation.

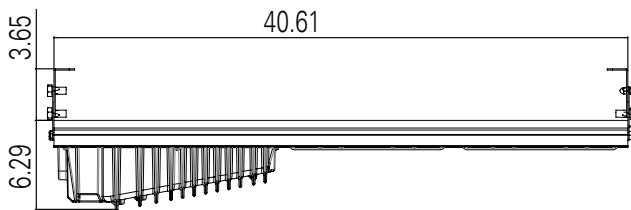
## WEIGHTS

Configuration	25L	17L	13L
Assembly Weight (Lbs.)	31.28	23.41	23.41
Angular Bracket Mount (Lbs.)	0.704		
Chain Mount (Lbs.)	0.37		

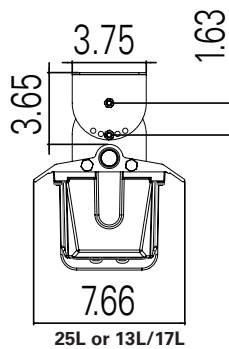
## DIMENSIONS



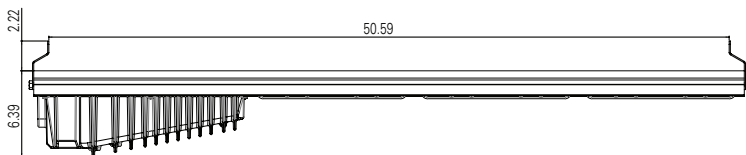
25L



13L/17L



25L or 13L/17L



25L (Chain Mount)

## ⚠ WARNING

To avoid the risk of fire or electric shock, this product must be maintained by qualified personnel.

## MAINTENANCE

1. Perform visual, electrical and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice For Electrical Equipment Maintenance ([www.nfpa.org](http://www.nfpa.org)).
2. The lens should be cleaned periodically to ensure continued lighting performance. To clean, wipe the lens with a clean, damp cloth. If this is not sufficient, use a mild soap or a liquid cleaner such as Collinite NCF or Duco #7. Do not use an abrasive, strong alkaline or acid cleaner. Damage may result.
3. Visually check for undue heating evidenced by discoloration of wires or other components, damaged parts or leakage evidenced by water or corrosion in the interior.
4. Electrically check to make sure that all connections are clean and tight.
5. Mechanically check that all parts are properly assembled.
6. Luminaire should be dusted periodically to avoid build-up of dust and overheating the fixture.
7. If occupancy sensor is installed, remove the sensor lens to clean it.

## REPLACEMENT PARTS

Pauluhn™ Apex Luminaires are designed to provide years of reliable lighting performance. However, should the need for replacement parts arise, they are available through your authorized Eaton's Crouse-Hinds Division distributor. Assistance may also be obtained through your local Eaton's Crouse-Hinds Division representative or Eaton's Crouse-Hinds Division Sales Service Department, 1201 Wolf Street, Syracuse, New York 13208, Phone (866) 764-5454.

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Eaton's Crouse-Hinds Division's "Terms and Conditions of Sale," and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection herewith.