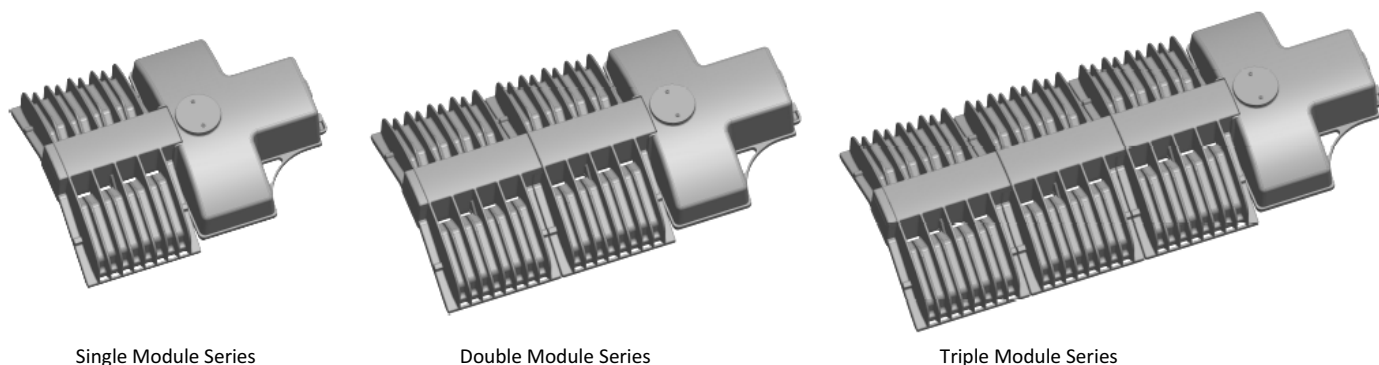


HAZARDOUS LOCATION STREET LIGHT “SLA” SERIES INSTALLATION INSTRUCTIONS



IMPORTANT: Please read carefully before installation and retain for future reference

- To prevent possible shock hazard, the fixture should be installed by a qualified licensed electrician.
- All electrical connections must be in accordance with local codes, ordinances and National Electrical Code.
- **WARNING: DO NOT ACCESS JUNCTION AREA WHEN ENERGIZED**
- The use of safety protection such as safety eye glasses and protective gloves are recommended
- Proper grounding of the light fixture is essential for protection from shock, correct operation and the elimination of electrical interference.
- Make sure the supply voltage is the same as the rated fixture voltage.
- Do not install where the operating temperatures exceed the ignition temperature of the hazardous atmosphere
- Do not operate in ambient temperatures above those indicated on the fixture information label.

AMBIENT TEMPERATURE RANGE	T RATING
-40°F to 165°F (-40°C to 74°C)	T3

- Fixtures are suitable in the following locations:
 - ▶ ATEX CERT No: ITS 13ATEX47874
 - ▶ Zone 2 Hazardous Locations
 - ▶ IECEx CERT No: IECEx ETL 13.0017
 - ▶ IP 65 Rating
- Ex Markings:  II 3 G Ex nA IIC T3 Gc
- Standards:
 - ▶ IEC 60079-0: 2011
 - ▶ IEC 60079-15: 2010
 - ▶ EN 60079-0: 2012
 - ▶ EN 60079-15: 2010
- Light fixture should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel
- DO NOT use this light fixture for other than intended use.
- Technical data indicated on the light fixture are to be observed
- Changes or modifications to the light fixture are not permitted [will void warranty]
- Repairs must only be carried out by a qualified electrician
- Only genuine Dialight replacement parts must be used when unforeseen repairs are required
- DO NOT keep these operating instructions inside the light fixture.
- Wait 10 minutes before accessing light fixture for servicing

SAVE THESE INSTRUCTIONS!!

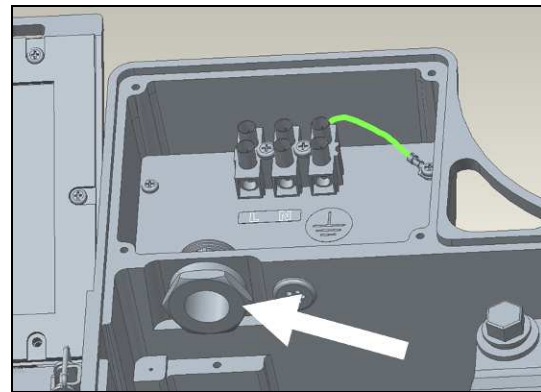
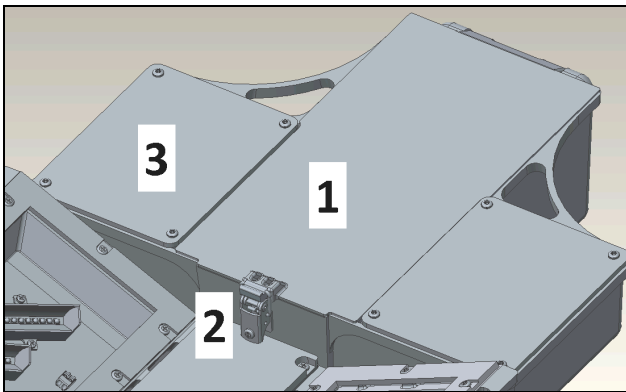
HAZARDOUS LOCATION STREET LIGHT “SLA” SERIES INSTALLATION INSTRUCTIONS



DANGER: RISK OF ELECTRICAL SHOCK. TURN OFF MAIN POWER SOURCE BEFORE SERVICE

FIXTURE PREPARATION STEPS *[prior to arm mounting]:*

1. Open the access cover **[1]** by removing security screw and disengaging the latch **[2]** to obtain access to center chamber
ATTENTION: Place the security screw in a safe place for reapplication later
2. Remove the side chamber cover **[3]** to obtain access to the terminal chamber
3. Assembled is an M25-to-M20 reducer provided in the side wall of the casting
 - a. Install a water tight cord grip *[not provided by Dialight]* suitable for the source wire being used
 - b. Install in accordance to cord grip vendor specifications
4. Replace the side chamber cover **[3]** suggested torque = HAND TIGHTEN
5. Replace the access cover **[1]** ; re-engage the latch **[2]** closed *[no need to replace security screw at this time]*
6. The fixture is now prepared for arm installation



HAZARDOUS LOCATION STREET LIGHT "SLA" SERIES INSTALLATION INSTRUCTIONS

INSTALLATION STEPS:

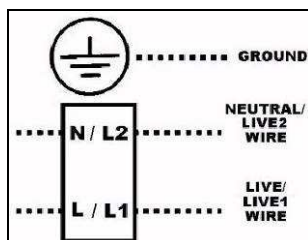
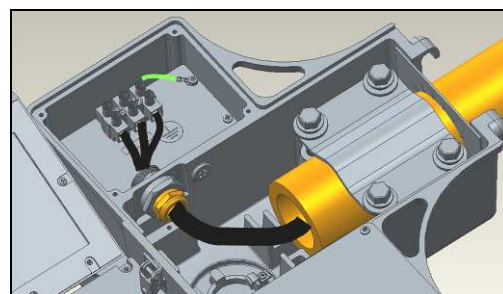
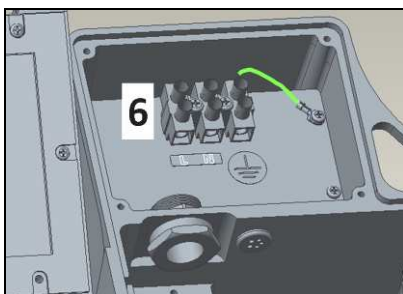
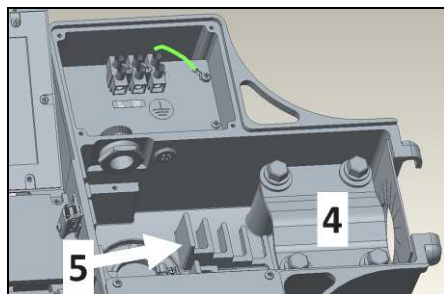
1. Open access cover **[1]** by disengaging the latch **[2]** and allow access cover to dangle [*hang*]
ATTENTION: Do not remove the access cover from fixture, once mounted on arm it may be difficult to replace
2. Slide fixture onto mounting arm
ATTENTION: Loosening the [4] 3/8 hex bolts on the arm bracket **[4]** may be required
 - Using the different arm rest levels on the casting **[5]**, rest the arm on the proper rib to level the fixture
 - Ribs allow fixture to be adjusted in 2-1/2° increments → +5° +2 1/2° 0° -2 1/2° -5°
3. Once fixture is level, retighten the [4] 3/8 hex bolts in a 'star' pattern suggested torque = 15 ft/lb [20.3 Nm]
4. Remove the side chamber cover **[3]** to obtain access to the terminal chamber
5. Direct the source wires [*from mounting arm*] and feed through installed cord grip into side terminal chamber
6. Tighten the cord grip around source wire in accordance to cord grip vendor specifications
7. Connect source wires to terminal block **[6]** as described:
 - a. strip SOURCE wires = .31" [8 mm] ____ 14-6 AWG [2.1-13.3 mm²]
 - b. connect SOURCE **GROUND** wire to terminal block position marked with **GROUND SYMBOL**
 - c. connect SOURCE **NEUTRAL/LIVE2** wire to terminal block position marked with "**N**" or "**L2**"
 - d. connect SOURCE **LIVE/LIVE1** wire to terminal block position marked with "**L**" or "**L1**"
 - _ using a tool loosen the top screw representing the terminal to connect
 - _ insert stripped source wire
 - _ using a tool tighten the top screw representing the terminal connected
 - _ lightly tug on the inserted wire to ensure engagement has occurred

Wiring instructions are also available on a label on the surface of the access cover

WARNING: LINE-GROUND VOLTAGE SHOULD NOT EXCEED 347VAC

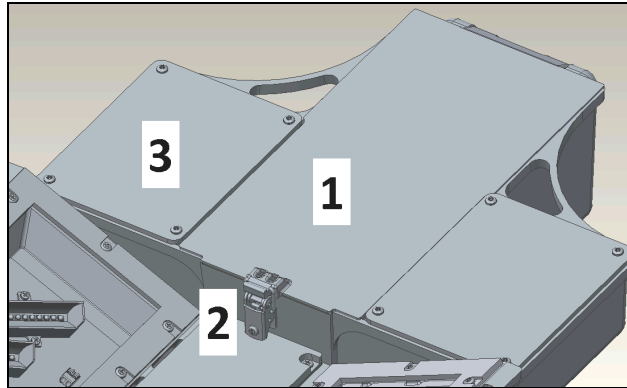
CAUTION: Do not look directly into fixture once powered and lit. Use protective shaded eye wear when viewing

8. Once source wires are secured and connected, restore proper power to light fixture and check for illumination



HAZARDOUS LOCATION STREET LIGHT “SLA” SERIES INSTALLATION INSTRUCTIONS

9. Once proper illumination is confirmed, replace the side chamber cover **3**.
 - a. Tighten the [4] cover screws suggested torque = 7 in/lb [0.78 Nm]
10. Close the access cover **1**, re-engage the latch **2** closed
ATTENTION: Replace the security screw through the latch tighten



CAUTION: Do not operate fixture if any lens or covers are removed, cracked or missing

HAZARDOUS LOCATION STREET LIGHT “SLA” SERIES INSTALLATION INSTRUCTIONS

Mechanical Information

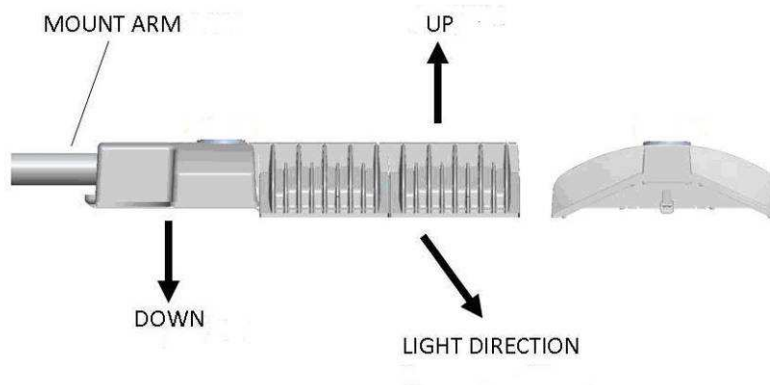
Fixture Dimensions

Single Module Fixture	18.4" [467] x 14.7" [372] x 4.8" [122]
Double Module Fixture	26.5" [674] x 14.7" [372] x 4.8" [122]
Triple Module Fixture	34.7" [880] x 14.7" [372] x 4.8" [122]

Weight

Single Module Fixture	16 lbs [7.2 kg]
Double Module Fixture	25 lbs [11.3 kg]
Triple Module Fixture	34 lbs [15.4 kg]

Normal Operating Position



* Double Module Fixture Shown

- Mount arm outside diameter: 1.7" [43 mm] min ~ 2.3" [58 mm] max

Mounting Height Recommendation

IES files available for the fixture to evaluate proper mounting height and layout

HAZARDOUS LOCATION STREET LIGHT "SLA" SERIES INSTALLATION INSTRUCTIONS





Year CE Mark Affixed: **13**

EC DECLARATION OF CONFORMITY

Manufacturer: Dialight
1501 Route 34 South
Farmingdale, NJ 07727
732-919-3119

Equipment: ATEX Zone 2 LED Streetlight

Model Series: SLAwxyzG

Directives: Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Directive 94/9/EC
Low Voltage Directive 2006/95/EC
Electromagnetic Compatibility Directive 2004/108/EC

Standards:

Luminaires - Part 1: General Requirements	EN 60598-1:2008
Luminaires - Part 2 : Luminaires for Road & Street Lighting	EN 60598-2-3: 2002
Photobiological Safety of Lamps & Lamp Systems	EN 62471:2008
Radio Disturbance	EN 55015:2013
EMC - Immunity	EN 61547:2009
Explosive Atmospheres - General Requirements	EN 60079-0:2012
Explosive Atmospheres - Part 15: Equipment Protection "n"	EN 60079-15:2010

Equipment Marking is based on type examination via Intertek, file # ITS12ATEX47874.

 II 3 G Ex nA IIC T3 Gc
-40°C ≤ Ta ≤ 74°C

Quality Assurance Notification: SIRA file (13ATEXM587).
Quality Management System Accreditation to ISO 9001: UL DQS file 10002116 QM08

We declare that our products to which this declaration relates are in conformity with the listed directives per the provisions of the aforementioned standards.

x Rizwan Ahmad Date: 9-June-14

Rizwan Ahmad, VP – Lighting Power and Controls
1501 Route 34 South, Farmingdale, NJ 07727 USA

Authorized contact in the EC:
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+44 (0) 1638 665161

