



# HazLoc LED Luminaires Solidium Technologies, Inc.

## Operation & Maintenance Manual

### FALCON SERIES



<input type="checkbox"/>	Luminaires for Hazardous Locations	UL 844 Listed Class I Division 2, Groups A, B, C, D Class II Division 2, Groups F, G Class III
<input type="checkbox"/>	Industrial Lighting	UL 1598、UL 1598A

#### 1. Brief Introduction

1.1.LED source with aluminium alloy enclosure. Small size, high safety and reliability.

#### 2. Application

2.1.Ex type: a.Petroleum Industry, Petrochemical Industry, Metallurgical Industry, Power Generation Industry, Power Transmission Industry, Machine Manufacturing. etc.  
b.Drilling platform, single point moorings, oil tanks, work over platform, production platform, field tank, manifold center,pumping station, gasoline station, transformer station,coating plant warehouse, sawmill, agriculture, and paper pulp industry,...etc.  
2.2.Industrial type:Suitable for many indoor and outdoor locations, such as metallurgy lane-way, large-scale cable trench, cement plants,warehouse, workshop, factory, power station, damp applications, and heavy vibration locations.

#### 3. Executive standard

3.1.UL 1598  
3.2.UL 1598A  
3.3.UL 844  
3.4. CSA C22.2 No. 250.0  
3.5.CSA C22.2 No. 137

#### 4. Product certification

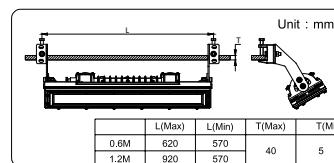
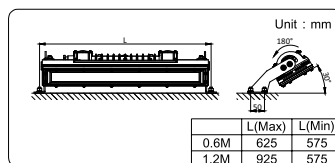
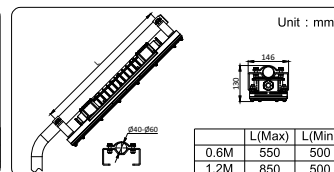
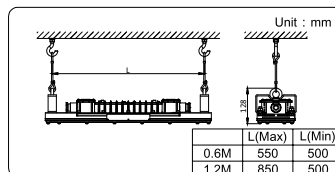
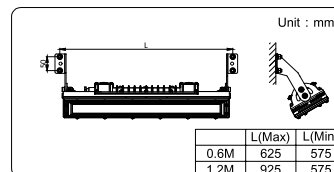
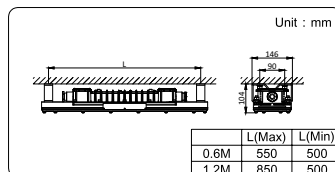
4.1 UL and CUL.

#### 5. Caution

5.1.This product should be installed and maintained by a qualified electrician only.  
5.2.Do not operate in ambient temperatures above those indicated on the nameplate.  
5.3.Make sure the electrical power is OFF before installation and maintenance.  
5.4.Fixture housing must be grounded.  
5.5.Do not touch the fixture while energized.  
5.6. After de-energizing, wait 10 minutes before opening.

#### 6.Installation method

There are 5 different installation methods: ceiling, suspension, surface/wall, pole mount, and clamp mount.



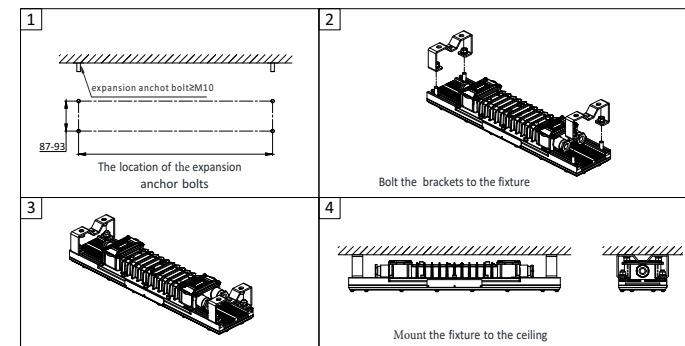
6.1.Install M10 expansion anchor bolts correctly as per installation methods.

6.2.Fix the brackets to the correct location on the light fixture.

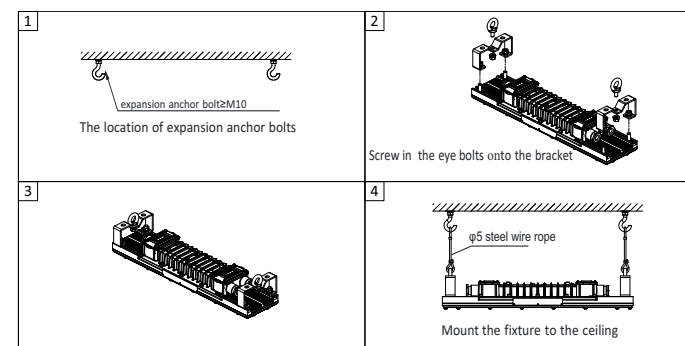
6.3.Secure the bracket using the appropriate flat washer and lock washer. Then bolt nut to the expansion anchor bolts.

6.4.Installation drawings:

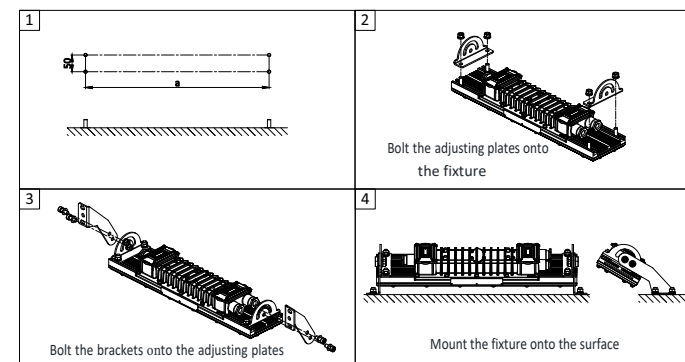
6.4.1.Ceiling mount(unit:mm)



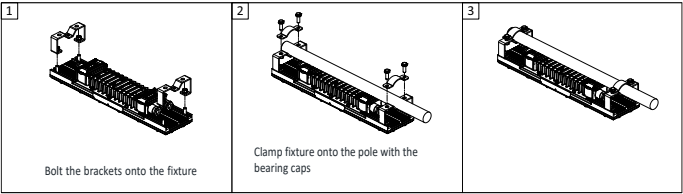
6.4.2.Suspension mount(unit:mm)



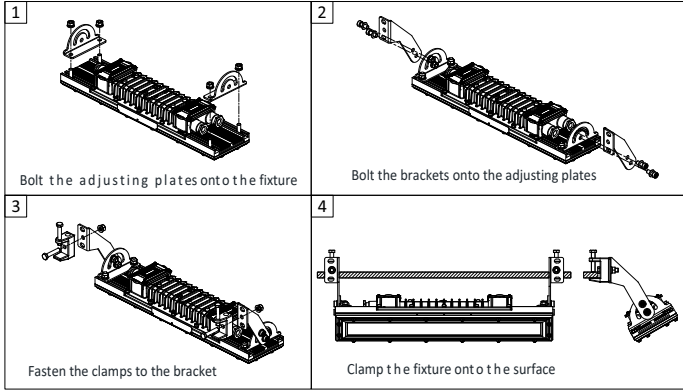
6.4.3.Surface/Wall mount(unit:mm)



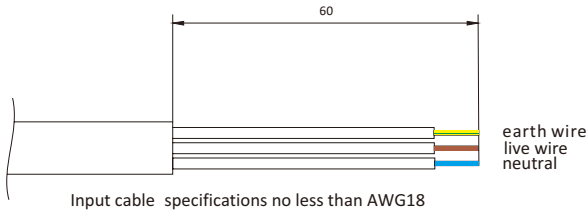
6.4.4.Pole mount(unit:mm)



6.4.5.Clamp mount(unit:mm)



6.5.Select appropriate input cable with specifications no less than AWG18 with stripping length (L:60mm, N:60mm,GND:60mm).



- 6.6.Remove terminal box cover.
- 6.7.Refer to above diagram for wiring instruction.
- 6.8.Ensure fixture is properly grounded.
- 6.9.Resecure terminal box cover.
- 6.10.Install the safety chain to the installation surface.
- 6.11.Additional fixture wiring diagram:

