



## Custom Dynamics® Billet Ellipse LED Unit Installation Instructions

We thank you for purchasing the Custom Dynamics® Billet Ellipse LED Unit. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

**Part Numbers: ELLIPSE-TURN CH/BL**

### **Package Contents:**

- Ellipse Housing (1)
- Lens (3)
- Hardware Package (1)
- Ellipse Board with 3M Tape (1)
- Template (1)

**Fits:** Universal; Compatible with 12VDC systems with a negative ground.

### **Installation:**

#### **Surface Mount Instruction:**

1. Select appropriate area for Ellipse to be mounted.
2. Using attached template, trace outline onto desired surface.
3. Drill 3 holes, 2 outer holes will be used for mounting bezel, while center hole will be used for routing wires.
4. Remove bezel from Ellipse housing by loosening two outer Allen screws.
5. Place mounting bolts into two outer holes of Ellipse housing.
6. Test fit LED board into Ellipse housing, once comfortable with fit remove red lining from back of LED board and mount LED board into housing, routing wires through center hole.
7. Select lens to be used, place a small bead of clear silicon around edges on both sides of lens, place lens into bezel and reinstall bezel to housing using Allen screws from step #4.
8. Mount Ellipse assembly, routing wires and mounting bolts through drilled holes. Use split washers and standard nuts to tighten, **Do not use lock nuts.**
9. To wire as Run - Brake -Turn
  - Black to Ground.
  - Purple to Left Turn Circuit
  - Brown to Right Turn Circuit
  - Orange to Running Circuit.
  - Red to Brake Circuit.



Please read all Information below before Installation

**Warning:** Disconnect negative battery cable from battery; refer to owner's manual. Failure do to so may result in electrical shock, injury or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on vehicle.

**Safety First:** Make sure the bike is parked on a level surface and bike's mechanical components are cool to the touch.

#### **Flush Mount Instructions:**

1. Select appropriate area for Ellipse to be mounted.
2. Using attached template, drill 2 holes, and make cut out in surface using template.
3. Remove bezel from Ellipse housing by loosening two outer Allen screws.
4. Test fit Ellipse housing and bezel, housing will go behind cut surface and bezel will mount on the outside of the cut surface.
5. Test fit LED board into Ellipse housing, once comfortable with fit remove Red lining from back of LED board and mount LED board into housing, routing wires through center hole.
6. Place a bead of clear silicon around mounting surface of Ellipse housing.
7. Place flat washer and lock nuts onto two long threaded studs. Holding Ellipse housing in place on mounting surface, run studs through Ellipse housing and mounting surface.
8. Select lens to be used, place a small bead of clear silicon around edges on both sides of lens, place lens into bezel. Place a small bead of clear silicon around edge of bezel and mount bezel to surface. Turn nuts on mounting studs and start to thread into bezel.
9. Tighten nuts down securely but do not over tighten.
10. Re-seal any openings with clear silicon.

**Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST**