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LEDline® Mounting Plate

The enclose information, pictures and drawings of the new LEDline® Mounting Plate demonstrates how it will further speed up installation for in-pavement applications.

The pictures showing how it looks with different coloured LEDline® within the Mounting Plate. There is also a picture / drawing of the Mounting Plate and one with an with an exploded view.

As you can see the new Mounting Plate will speed up LEDline® installations, making its installation even less expensive and far, far less expensive than installing traditional airport inset lights. The new Mounting Plate will also make any maintenance much easier, since the epoxy style glue now no longer comes in contact with the LEDline® so it can easily be removed, yet the LEDline® is still securely held in place by bolts.

The Mounting Plate is installed within the 40mm (1.5") deep x 50mm (2") wide and 750mm (30") long groove and once the two part epoxy style glue sets in the groove, is sealed and locked in place. The epoxy style glue also seals and locks in place the Mounting Plate's four (4) adjustment / leveling screws; its ends which project out; and the sides of the Mounting Plate. The LEDline® itself is securely held in place to the glue buried / locked in Mounting Plate via two (2) stainless steel bolts, as well as the two (2) metal rods which run the entire length on either side of the LEDline®, holding it in. These metal rods are in turn held in place by being hooked in place at one end, and have a shackle and stainless steel bolt, which screws into the base of the Mounting Plate at the other, (see drawing HT-6309A and HT-6310A).

To Install a New LEDline® unit;

- the new LEDline® unit is first connected to the IP68 connector from the Induction power pick up in the IP68 Mounting Plate connector box, making sure that the locking mechanism is in place and that it is taped closed so that it cannot move
- the IP68 connector is then pushed back into it's connector box and 3M gel is

added to prevent water penetration;

- the LEDline® unit is then bolted to the mounting plate with its two (2) bolts;
- the two (2) metal rods are then hooked into the IP68 connector housing / end of the Mounting Plate and are then bolted in with the shackle and bolt
- lastly, the 3M gel or waterproofing compound is applied to any gap prevent water ingress.

To Replace a LEDline® Unit:
Therefore, to replace a LEDline® unit with the new Mounting Plate everything happens in reverse order to installing one, except for the Mounting Plate remaining locked into the groove with the epoxy style glue;

- the first bolt holding in the shackle holding down the two (2) rods needs to be undone and the shackle removed;
- then the ends of the two (2) metal rods need to be unhooked from the metal IP68 connector container and removed;
- after which both the two (2) bolts holding the LEDline® to the glue buried Mounting Plate need to be removed;
- after unbolting the LEDline®, the plastic locking IP68 connector is then pulled out from its container box and 3M gel and the LEDline® is then disconnected and removed.

With the new Mounting Plate; replacing a LEDline® unit should be very easy and take only 2 minutes or perhaps even less!! Again, this is much less time compared to traditional airport lights, so any maintenance, will be safer with the low power and cost much less.