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# Global Plus Freestanding
## Installation Guide

The Freestanding Global +plus+ baselight system is another version of the Global+plus+ that can be installed in a conventional stand alone format. The Freestanding Global +plus+ is supplied with 2 off M12 stainless steel anchor restraint U-Bolts which are engineered to provide adequate retention of the baselight in a fully surrounding concrete foundation to our specific installation constructions.

The smaller profile for the Freestanding Global +plus+ makes this baselight ideal for narrow island sites that in some cases would potentially inhibit the use of a conventional standard Global baselight.

Cable supply to the baselight is efficiently sealed through the twin format cable gland points which can be orientated in any of four permutations to provide the most convenient entry point for an existing cable track. This feature is of particular advantage when a damaged existing baselight is being replaced with a Freestanding Global +plus+, as it potentially allows the existing cable to be used without expensive cable jointing.

Once the new Freestanding Global +plus+ is installed the system has all the benefits of easy access, excellent IP rating, super durability, maintenance compatibility with standard Global baselights and the unique, substantial advantage of being capable of being repaired at minimum cost in the event of vehicle sump impact damage.

### *Referring to the installation drawing for Freestanding Global +plus+ overleaf*

1. The Freestanding Global +plus+ can be installed like any conventional baselight, however it is highly important and essential that this baselight is installed in a sufficient mass of concrete to prevent uplift from its foundation, which will obviously cause damage.

2. The Freestanding Global +plus+ baselight should be installed into an excavated hole measuring 600mm x 600mm x 170mm deep in order that sufficient ballast of concrete is encased around the baselight to hold it firmly in its foundation during bollard top impact.

3. Obviously in narrow kerb island sites this will not be achievable, however the nature of a kerb sided island site surrounding a Freestanding Global +plus+ baselight with sound ‘all around’ concrete back fill should ensure a stable, secure foundation.

4. The Freestanding Global +plus+ is supplied with 2 off IP68 concentric sealing cable stuffing glands fitted to the outside of the cut-out enclosure as standard, capable of sealing around outer supply cable sleeves between 8.00mm and 17.00mm diameters.

5. N.B. One of the glands is ‘plugged’ with a stainless steel shoulder bolt, which can be securely tightened and left in-situ if only one cable entry/exit is required.

6. With the hinge frame opened, lens and gear tray removed, the baselight can be planted in the pre-excavated hole.

7. If the existing cable supply does not conveniently line up with the standard gland entry point on the factory assembled Freestanding Global +plus+, then it is simply a case of undoing the 4 off M12 Nyloc retainer nuts, which once carefully removed will allow the baselight to be dismantled and orientated appropriately.

8. Taking particular care not to lose the 4 off M12 Nyloc retainer nuts and washers lift the Freestanding Global +plus+ casting off the moulded cut-out enclosure and orientate the glands to suit the existing cable track.

9. When reassembling the Freestanding Global +plus+ casting back onto the moulded enclosure make absolutely sure that the back sealing O-ring is still seated in the underside of the Freestanding Global +plus+ casting. With the casting placed back on the enclosure and the U-bolts threaded through the aligned holes the 4 off retainer washers and M12 Nyloc retainer nuts can be replaced and securely tightened to compress the sealing O-ring.

10. N.B. Make sure the M12 Nyloc nuts are fully tightened to fully compress the O-ring.

11. Cable glanding can then be carried out by threading the supply cable through the appropriate cable gland. N.B. the supply cable must be clean, undamaged and round in profile for a satisfactory IP68 seal to be achieved when this gland is tightened up.

12. With all the necessary supply and loop cables fed through the cable glands, the cable/s can then be terminated into the desired electricity cut-out/isolator assembly and this can then be securely restrained onto the factory fitted Freestanding Global +plus+ fuse board with suitable sized chipboard screws to suit the cut-out. N.B. The fuse board is 12.00mm thick.

13. With the cut-out securely restrained the cable glands can be securely tightened, with any redundant glands firmly plugged and sealed with the sealing stub bolt supplied.

14. On the back of each Freestanding Global +plus+ gear tray is a plug/socket arrangement attached to a pre-wired 3 core ‘fly lead’ flex.

15. The 3 core flex with Live, Earth and Neutral conductors should then be safely terminated into the cut-out paying particular care to connect the appropriate coloured conductors to the correct terminals on the cut-out, without leaving any exposed conductors.

16. Orientate the baselight hinge towards the flow of traffic and check the Ground level marker of the baselight is set at the ground level of the island site and backfill with concrete to recommended installaion detail level.

17. Float finish final concrete level, ensuring that the hinge frame is not fouled by stray concrete. (Remove the protective polyethylene bag and dispose of safely into an appropriate waste stream).

18. Once all wiring and glanding is complete, the light unit can be re-connected to the socketed ‘fly lead’ and placed back into the baselight. Next replace the Polycarbonate lens, close the hinge frame and firmly tighten the Tri-head on the hinge frame.

19. Finally ensure the black protective Tri-head bung is fitted over the Tri-head.

**Please turn over**



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***Freestanding Global +plus+ Spares***

A. Global replacement hinge frame assembly kit.

B. Global vizzi-bubble lens.

C. Freestanding Global +plus+ casting c/w replacement O-ring.