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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 No. 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 instructions.

The smaller profile of 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 4 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 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 600 mm x 600 mm x 170 mm 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 No. IP 68 concentric sealing cable stuffing glands fitted to the outside of the cut-out enclosure as standard, capable of sealing round outer supply cable sleeves between 8.00 mm diameter and 17.00 mm diameter.

5) NB : One of the glands is “plugged” with a stainless steel shouldered 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 No. 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 No. 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 neatly seated in the underside of the Freestanding Global +plus+ casting. With the casting placed back on the enclosure, and the U-bolts re-threaded through the aligned holes the 4 No. retainer washers and M12 Nyloc retainer nuts can be replaced and securely tightened to compress the sealing O-ring.

10) NB : Make sure the M12 Nyloc nuts are fully tightened in order to fully compress the O-ring.

11) Cable glanding can then be carried out by threading the supply cable through the appropriate cable gland. Note:- 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 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 fitted Freestanding Global +plus+ Fuseboard with suitable sized chipboard screws to suit the cut-out. Note:-The fuse board is 12.00 mm thick.

13) With the cut-out securely restrained the cable glands can be finally 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 prewired 3 core “fly lead” flex.

15) This 3 core flex with Line, 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) Finally orientate baselight hinge towards traffic flow, level defined Ground level of baselight with Ground level of Island site and back fill with concrete to recommended installation detail level.

17) Float finish final concrete level, ensuring that hinge frame is not fouled by stray concrete.(Remove protective polyethylene bag from hinge frame and dispose of safely).

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

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

Please turn over

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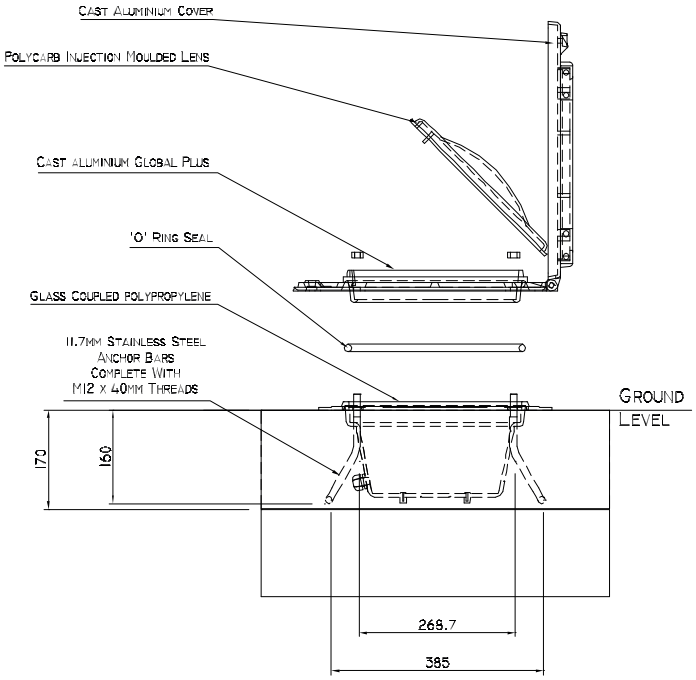
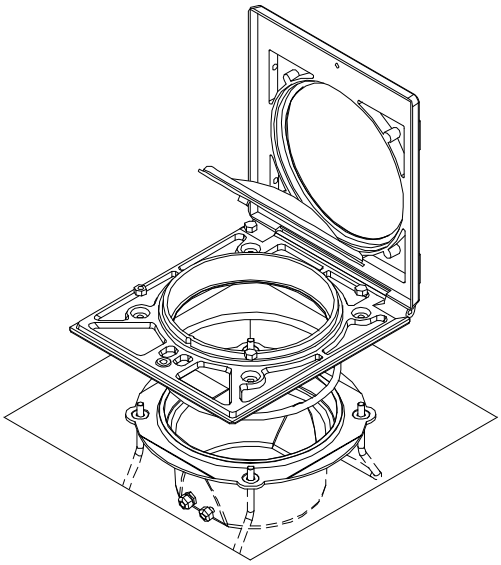
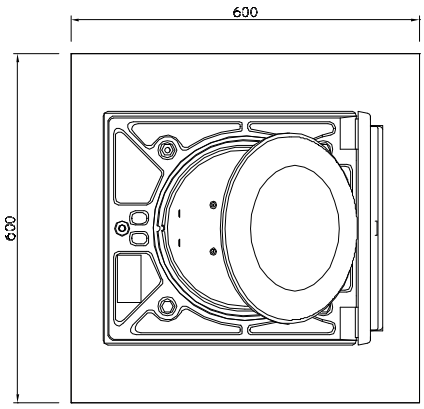
Freestanding Global +plus+ Spares

The Freestanding Global +plus+ design can be dismantled easily on site and if a baselight is subjected to extreme damage and requires part replacement the following components can be acquired separately.

A) Global replacement hinge frame assembly kit.
B) Global vizzi-bubble lens.
C) Freestanding Global +plus+ casting c/w replacement O-ring.
D) 2PL 11 watt gear tray c/w plug socket
E) 3PL 11 Watt gear tray c/w plug socket
F) 2PL 4-Pin 24 Volt ac Gear tray C/w Plug Socket







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