

**Specification**

The **P4G** is a small stainless steel end fitting with clear glass window for sheathed polymer fibre of 1.5mm to 2mm active diameter. It comes fitted with a nickel-plated brass gland to allow for connection to the fibre and to prevent moisture ingress below the lens.

It is suitable for use in swimming pool floors and other wet areas to give a starfield-like effect, either indoors or outdoors. It can also be used in pathways or paved areas to give a similar effect.

For a realistic star effect in large pools, allow one point of light per 1-2m<sup>2</sup> or for smaller pools, one to two points per 1m<sup>2</sup>.

**Installation**

Installation is simple. run a length of liquid-proof armoured conduit such as 16mm OD Kopex or similar from the light source location to each point where there is to be a light. Bend the conduit to be vertical or use an elbow allowing a suitable bending radius for the fibre. The conduit can be tied to a peg set into the hardcore below the level of the concrete in order to keep it vertical and the conduit should extend above the intended final level of the concrete.

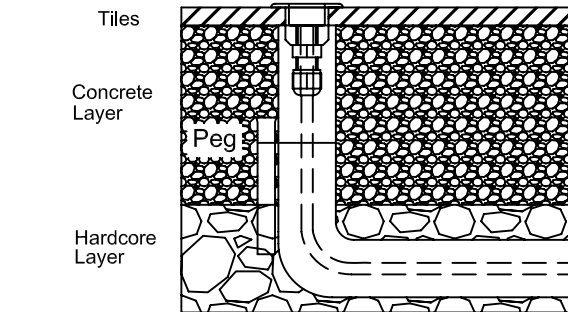
Pour the concrete and, when set, trim the conduit level with the concrete. Mark the matching position of the holes on the tiles or flags to be positioned above and cut a 12mm diameter hole. Lay the tiles ensuring the hole matches that of the end of the conduit. The tile surface should be clean before sealing the fitting into the hole.

Feed the fibre through the conduit, ensuring that it doesn't become snagged or kinked. A draw line is useful. Trim the end of the fibre and if desired, strip 1-2mm of the black sheathing from the end to give a more 3 dimensional effect.

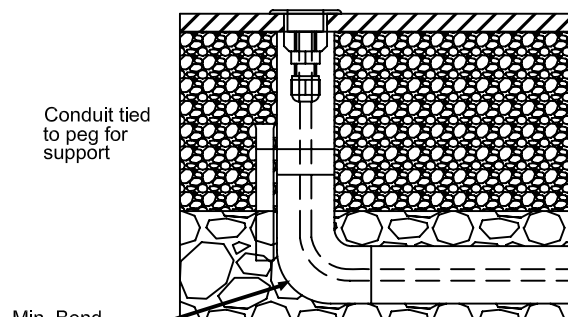
Loosen the compression nut on the gland attached to the fitting. Apply a little non-corrosive lubricant or grease to the black sheathing at the end of the fibre and insert through the gland into the fitting until the end of the fibre just touches the glass of the fitting. Do not exert excessive force or you may damage or displace the glass window. Tighten the compression nut on the gland to finger tightness just enough to give a good seal without harming the fibre. Apply sealant evenly around the flange and body of the fitting and push the fitting back into the hole.

Keep the installation area dry until the sealant has set.

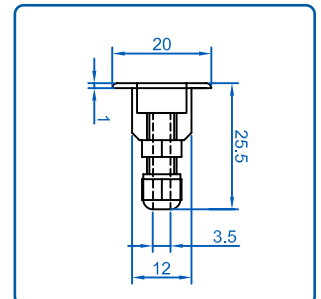
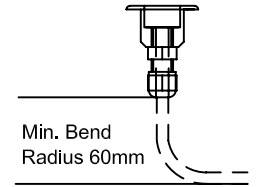
**UFO P4G Installation Suggestion**



16mm Conduit with Fibre Optic Cable through middle



16mm Conduit joined by corner elbow piece with Fibre Optic Cable through middle



**Construction**

Flange and body are corrosion resistant 316 stainless steel. The window lens is 6mm borosilicate glass sealed in place

using industrial silicone. The gland is nickel-plated brass with rubber insert and o-ring. The fibre outer diameter range which can be accommodated is 2.5-3mm.

