

## Sightports for use in water treatment plants

Data sheet V3.01

### Application:

Custom built sightports for process observation in the water treatment and allied industries.

### General:

A range of standard or special sightports with viewing diameters from 100mm to 600mm. Suitable for setting into concrete, bolting to a base flange or welding into steel vessels & tanks.

### Combinations:

Wiper and spray cleaning systems to maintain effective visibility.

Wide range of light fittings for use in hazardous or safe areas.

### Advantages:

Complete & fully operational assembly ready for installation.

Designs tailored to suit applications

Rugged and enduring construction

Wipers and Spray devices maintain visibility

Wide range of compatible light fittings.

### Operating conditions:

For a wide range of pressures and temperatures up to 280°C depending on viewing diameter and material specification.

### Certification, documentation and testing:

All flanges and puddle sections are supplied with material test certification to DIN50 049/3 3.1B.

Letter of conformity for all components.

Spare parts list.

General arrangement drawings.

Hydro-static pressure testing can be provided at extra cost.

### Materials:

Flanges and puddle sections in carbon steel or stainless steels 304L or 316L. Special surface treatments also available.

Glass windows in annealed or toughened Soda Lime or Borosilicate glass.

Seals in various non-asbestos rubber compounds.

Securing bolts in carbon steel or stainless steel.

Wiper assemblies with Peek (Polyetheretherketon) components for use in digester environments.

### Installation:

Options include:

- 1) Puddle sections for casting into concrete or GRP.
- 2) 'Bolt on' type base flange with gasket or mastic sealing.
- 3) 'Weld in' type base flange.
- 4) Part assemblies to suit existing mounting flange.

**Please contact Visilume to discuss your specific application requirements.**



Sight port and Wiper on water treatment plant.



Hazardous area Luminaire and Sightport.



Sight port and Wiper with puddle section for casting into concrete