

External lights have become a standard in pressure vessel illumination. External lights, as the name suggests, do not have the light source inside the pressure vessel, but on the outside. The very intense beam of light crosses the hull by means of a light pipe. Once inside, the beam can be diffused or condensed, whatever your requirements may be.

The advantages of this particular system are numerous:

- No heat enters the chamber, only effective, intense light.
- Bulb changes can be done in a matter of minutes, even when the chamber is pressurized.

Hytech External lights come in a range of voltages and light outputs, to suit almost any thinkable application.

Standard we stock three models of lightpipes:

- Wide beam, with a beam angle of about 90°.
- Narrow beam, with a beam angle of about 35°.
- Spotlight, with a beam angle of about 12°.



HYLITE EXTERNAL LIGHT

The Hytech External Light comes in several versions:

30 volts, 80 watts, a light duty light source for use in small areas. The unit uses the same light-pipe as the other models.

As it has a lower output, it doesn't need an extra fan for cooling.

ORDERING NUMBER: Hylite 80.

24 volts, 250 watts, this model provides an efficient high output, using a 250 watts Tungsten halogen bulb.

The unit is fan-cooled to dissipate most of the heat outside the pressure-vessel. A thermal switch is included to shut-off the light in case the fan is blocked.

ORDERING NUMBER: Hylite 250.

Hylite lightpipes,

these should be used in combination with the **Hylite 80** and **Hylite 250**.

This Plexiglas lightpipe comes complete with a stainless steel adapter 1"NPT.

ORDERING INFORMATION:

For all the above external lights, please state the following:

- Beam type: wide, narrow or spot.
- Material of light pipe: standard Plexiglas.
- Fitting threads: e.g. 1"NPT or 1 1/4 NPT.
- Specify the length of the light pipe.



Electrical connections:

Hylight 250 W (5-pin connector)

- A: 24 VAC
- B: 24 VAC
- E: Protective earth

Hylight 80 W (3-pin connector)

- A: 30 VAC
- B: 30 VAC
- C: Protective earth

