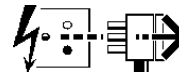


4063900  
100W QT-12 12V TH capsule - Clear Glass  
4063901  
100W QT-12 12V TH capsule - Frosted Glass  
4063902  
175W QT-16 12V TH capsule - Clear Glass  
4063903  
175W QT-16 12V TH capsule - Frosted Glass  
4063904  
Recessing Box

**Disconnect from mains supply before replacing the fuse or the lamp.**  
**Vor dem Einsetzen der Sicherung oder der Lampe Spannungsfreiheit herstellen.**  
**Débrancher le secteur avant de remplacer le fusible ou l'ampoule.**  
**Desconectar del suministro de la red, antes de realizar la sustitución del fusible o de la lámpara.**  
**Voor het vervangen van lamp of zekering, eerst netspanning uitschakelen.**  
**Koppla bort spänningen före byte av en säkring eller en lampa.**



**Switch Off**  
**Abschalten**  
**Débrancher**  
**Desconectar**  
**Uitschakelen**  
**Stäng av**

### Application

Protection class IP68, Class III, Maximum depth = 3M, weight = 2.6kg

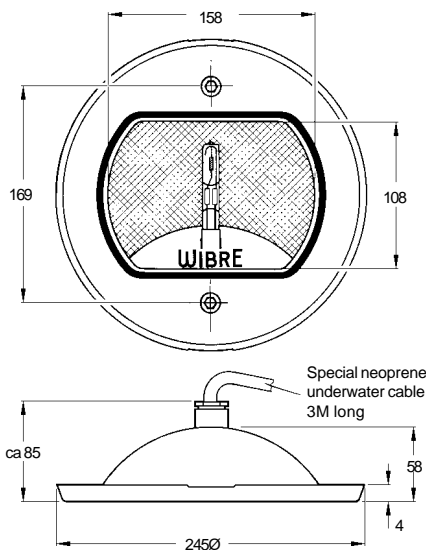
### ONLY SUITABLE FOR USE UNDER WATER!

For lighting public or private swimming pools of concrete construction with tiled walls. The water should have a PH value between 7 and 8 and free of metal affecting oxidants. Light fixture must be used with safety transformer conforming to EN61558.

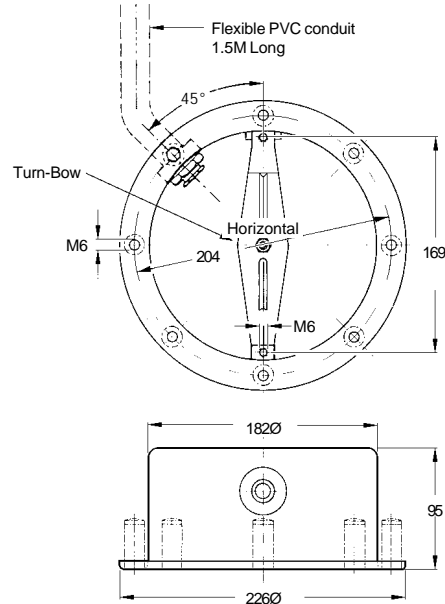
### Construction

Housing - marine grade stainless steel  
 Glass - Toughened safety glass, clear or frosted  
 Gasket - Silicon  
 Reflector - Super pure anodised aluminium  
 Cable - 3M of special neoprene underwater 2 core cable, 2.5mm<sup>2</sup>  
 Cable Gland - POM cable gland on lamp holder assembly  
 Recessing Box - Marine grade stainless steel with flexible PVC conduit, 1.5M long with 23mm internal diameter

Aquanaut - Dimensions



Recessing Box - Dimensions



### Installation

Place the fitting on the side of the pool, loosen the cable locking nut inside the recessing box and pass the pool light through the gland and the flexible PVC conduit. As relamping is above the water surface ensure that you leave a suitable length of cable to facilitate relamping. Tighten the cable gland. Ensure the nuts on the lamp housing of the pool light are tight, wind the cable around the body of the pool light and locate the pool light into the recessing box. Using the socket tool supplied, attach the pool light with the M6 x 60 stainless steel bolts supplied onto the plastic turn-bow.

**Warning:** Use only the stainless steel bolts supplied. If bolts are lost, order replacements from **Concord:marlin**, as these bolts are made from a special grade of stainless steel which is not commercially available.

**Please note:** When cleaning or acidifying adjacent ceramic building materials (tiles), avoid contact between the pool light and metal affecting solvents and/or hydrochloric solution.

### Electrical Installation

Connect the cable to the transformer on secondary side at 12V. Depending on the type of transformer and pool light used, one or two lights with 100W or 175W can be connected - see examples below.

If the cable length exceeds 5M the voltage loss can be compensated for by using a cable with a larger cross section.

### Transformers

IP65 ta 40° C/E  
 Prim: 240V/50-60Hz 2 x 2.5qmm/1 x PG13.5  
 Protection class IP65 ClassII

#### 4063911

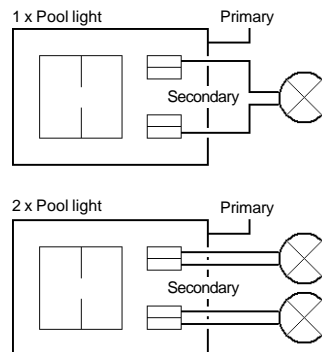
sec: 12V 100VA (2 x 50W)  
 4 x 2.5qmm/2 x PG13.5  
 AT 1.0

#### 4063912

sec: 12V 200VA (2 x 100W)  
 4 x 2.5qmm/2 x PG13.5  
 AT 1.6

#### 4063913

sec: 12V 350VA (2 x 175W)  
 4 x 4.0qmm/2 x PG13.5  
 AT 2.5



### Lamp Replacement

Lamps can be replaced easily and quickly without emptying the pool.

Using the socket tool supplied, un-screw the bolts on the pool light fixture under water and place pool light on the side of the pool. Unlock and remove the hexagonal nuts on the lamp housing on the pool light and pull the lamp housing away from the body of the pool light. Unlock the top screws of the lamp holder and replace the lamp.

**Attention:** Also replace the silicon gasket and the 'O' ring between the cable gland and the pool light with the new ones supplied with the lamp kit.

Note that complete lamp kits are only available from **Concord:marlin**.

Tighten hexagonal nuts, wind the cable into the recessing box and re-fit the pool light with the M6 x 60 stainless steel bolts onto the turn bow.

### Recommended Mounting Height and Light distribution

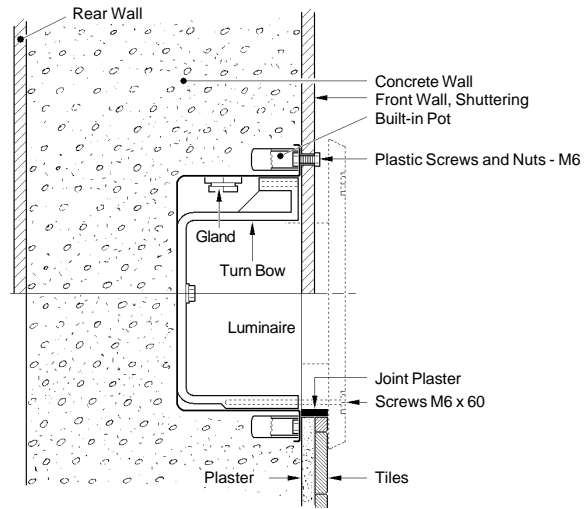
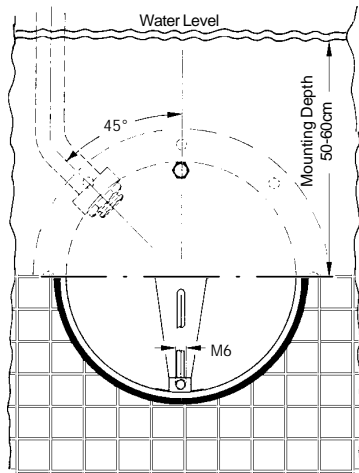
Installation depth: 50-60cm below water surface.

According to DIN67526 the following luminance at water level is required: Sports centre pools - 1000lm/sqm, Private pools - 500lm/sqm.

Lamp lumen: QT12 12V 100W 2200lm / QT16 12V 175W 4900lm

Symmetric, horizontal light distribution = 80°

Asymmetric, vertical light distribution = 45°



Fit the flexible PVC conduit to the plastic nipple gland on the outside of the recessing box with the worm drive hose clip (Jubille Clip) supplied.

The recessing box has to be cast into the concrete wall of the pool and is held in place during the concrete casting by using the 2 plastic screws supplied. Fit these through the shuttering into the 2 M6 holes at 204mm pitch in the flange of the recessing box. These plastic screws should be discarded once the shuttering is removed.

Note: Cable entry position is at 45° from the vertical and the plastic turn bow must be in a vertical position - see diagram above. For safety reasons the top of the flexible PVC conduit must be above the water level - see diagram below.

Warning: Avoid contact with any reinforcing rods that may be used in the concrete.

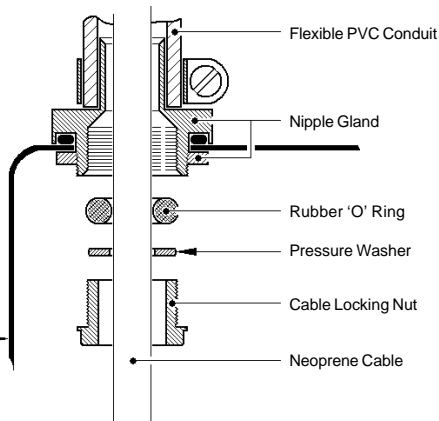
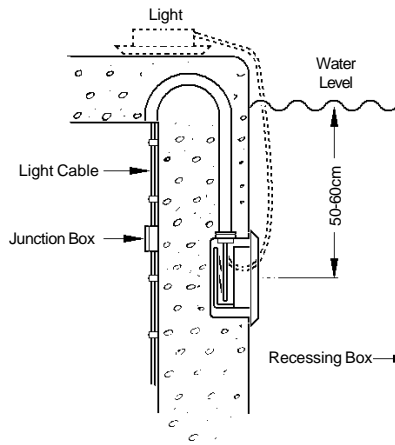
Ensure the flexible PVC conduit orientation (path) allows the easy passage of cable, a draw cable is recommended to assist this operation.

After casting the concrete, clean up the recessing box and fit the tiles over the flange, right up to the inner diameter of the recessing box.

### Installation of Swimming Pool light

Underwater Light Mounting

Pressure Proof Cable Gland



### Suitable for use indoors

Geeignet für Innenanwendung

Pour un usage interne

Adecuada para uso en interiores

Geschikt voor gebruik binnen

Lämplig för inomhusbruk



### Replace any cracked protective shield.

Dieses symbol bedeutet, dass defekte schutzgläser sofort ersetzt werden müssen.

Ce symbol indique que vous devez remplacer tout verre de protection fêlé.

Este simbolo indica que hay que 'reemplazar filtros en caso de rotura o desperfectos'.

Dette symbolet indikerer at alle ødelagte (sprukne) sikkerhetglass må skiftes.

Valaisinta el saa käyttää ilman suojalasia vioittunut suojalasi on vaihdettava uuteen ennen valaisimen käyttöön ottoa.



< Millimetres >



This Electrical Product  
MUST be recycled.



07.08

# Concord

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