



ARCHON Industries, Inc.



SIGHT GLASS LIGHT FITTING

Model # KL 100H 12 - 24 V



INSTALLATION / OPERATION / MAINTENANCE INSTRUCTION

Instruction #:

1028.05

Issued:

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Approved:

Engineering Mgr

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Use A LICENSED ELECTRICIAN AND CHECK WITH LOCAL AND NATIONAL CODES

These units are intended for Dry or Damp locations only.

GENERAL REMARKS

1. Storage should be in a dry and sheltered place.
2. Installation and Maintenance has to be performed only by qualified personnel.
3. For use in especially aggressive surroundings, an additional corrosion protection should be considered.
4. Prior to installation or maintenance, the indications or remarks on the nameplate should be thoroughly read, understood and followed.
5. In case of frequent and repetitive use of built-in push buttons, observe the increase of housing temperature.
6. The increase of the housing temperature depending of the sight glass flange temperature and the ambient temperature has to be observed for lighting unit working in mode with "On/Off switch" or "continuous operation". Depending of the results and the local law, codes and regulations, appropriate preventive measures have to be taken.

INSTALLATION

1. Prior to installation it should be verified that the protection rating of the light is suitable for the intended location and events in that location (e.g. cleaning).
2. All relevant indications and remarks on the nameplates should be read and understood prior to installation.
3. Always ensure that the light is connected to the correct supply voltage as indicated on the nameplate.
4. All lighting units are uniquely designed to fit on sight glass assemblies. Never use a light in place of the cover flange or glass disc on a sight glass or in place of the sight glass assembly itself.
5. Lighting units with built-in push buttons or timers should be operated only with these devices.
6. In addition top all service parameters influencing the temperature of the glass disc built into a sight glass, temperature increase of the glass disc caused by operation of a mounted light should

also be considered.

7. Possible heat transfer from installed sight glass to the lighting unit has to be taken into consideration.
8. Service life of bulbs / reflector-bulbs may be detrimentally influenced by vibration.

MAINTENANCE

1. For replacement bulb / reflector-bulbs always use an identical type and wattage (see nameplate and data sheet).
2. Never touch replacement bulbs with your fingers. Always use a proper cloth.
3. Only original spare parts for repair and maintenance work should be used.

NOTE* All finished wiring is located within the light housing.



This unit is not intended to remain ON for extended periods. An ON-OFF switching device must be installed in the power supply circuit. If the light is allowed to remain ON for an extended time, the lighting unit may become very hot and result in damage to the internal electrical components.

If you have any questions, please contact ARCHON Industries directly @

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Thank you for using ARCHON products

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Connection to mains

Insert cable 2P, 5-12 mm Ø, through cable gland 9815 and connect as follows: Neutral conductor and phase on the 2 terminals. The maximum cross sectional area of these terminals is limited to 2.5 mm².

Maintenance

Regular maintenance is not required.

Change of bulb

To change the bulb 4642 or 1842, disconnect the light fitting, remove it. Remove the lock ring 1330 or 1430 after loosening the 3 bolts 0056. Insert new bulb by using a clean cloth. If necessary, clean with a cotton wool swab soaked in ethanol.

Mounting

With fixation bracket "W" (1070) :

Drill 2 holes M5 x 8, distance 14 mm, into the cover flange of the sightglass, then mount the light fitting with the bolts and spring washers contained in our delivery.

With feet "Sch" (2070) :

Drill 2 holes M6 x 12, position according your application, into the cover flange of the sightglass, then mount the light fitting with the bolts and spring washers contained in our delivery. For one port version mounting, attach the anti-dazzle shield "B" (2071) to the housing by means of the screws contained in the respective delivery and adjust it correctly after having mounted the light fitting.

With flange collar "R" (3070) :

Place the light fitting onto the flange collar into the desired position and fix it by the screw crossing the lock ring 1430.

- 0056 Socket cap bolt
- 0303 Distance piece
- 0324 Distance piece
- 1070 Fixation bracket "W"
- 1330 Lock ring for mounting modes "Sch" und "W" *
- 1430 Lock ring for mounting mode "R" (with flange collar) *
- 1336 Reflector "flood"
- 1340 Bulb socket GY 6.35
- 1842 Halogene bulb 90W/12V
- 2070 Feet for fixation mode "Sch"
- 2071 Anti-dazzle shield "B"
- 2701 Housing
- 3070 Flange collar for mounting mode "R" standard DN 65
- 4642 Halogene bulb 100W/24V
- 5549 Gasket
- 7224 Bulb socket holder
- 9351 Name plate
- 9536 Reflector "spot"
- 9815 Cable gland

* Only available with sealed glass disc

** Additional equipment

