



Among the Hedler Daylux Light Units you have chosen the model D 05. Please, read the following technical information, using and safety instructions carefully, before using the Light Unit.

Codes are given in <Brackets>.

## TECHNICAL DESCRIPTION

Light Units of the HEDLER D range are designed for professional use, they are assembled by applying precision methods and tested individually for function and quality. The Daylux Flood Light HEDLER D 05 is provided with an integrated U-Bracket and a friction brake and a 1 1/8" Quick-Lock Light Stand Attachment. The robust all metal construction features a main switch, digital time meter, fix-mounted parabolic reflector, lever for continuous flood-to-spot focusing with its mechanics for focusing the light beam, three attachment threads 3/8" for special accessories, the electric ignitor and the socket G 22 SE including one lamp. Ignition is effected by 2 x 15 KV symmetrically, hot restrike is possible at any temperature. Designed for modern one-sided socket Metal Halide lamps G 22 SE (for example OSRAM HMI 575 W / SE, Sylvania BA 575 SE HR) the D 05 is made of two parts - the Light Unit and its Electronic Ballast.

At the front part there is the Filter Holder with two Quick-Lock levers for attaching the 4-Leaf Barndoor 360° (is included) and (as available accessories) the MaxiSoft Folding Reflectors and reflectors. The sizes of the housing are ca. 580 x 300 x 290 mm, the weight is ca. 7.3 kg.

The use of the D 05 is only allowed with its UV-safety filter. For that the triple coated UV+Color-filter Ø 150mm made out of Borofloat™ was developed (<8555> as a spare part). It cuts reliably the UV radiation, maximizes the rendering of all colors and serves as a safety glass at the same time. The Diffusor <8550>, supplied with the Light Unit as an insert for the Filter Holder, provides for soft, even distribution of the light beam without additional filter functions.

## ELECTRONIC BALLAST

The HEDLER D 05 is connected to the power supply by using the Electronic Ballast. In normal operation it is attached to the bottom of the Light Unit by means of four pressure-activated latch-screws. For remote control operation, it may easily be detached with the help of a coin.

The Electronic Ballast is designed for AC power supplies of 110 / 230 V 50 - 60 Hz and may be set at either 110 V or 230 V. It is provided with a fuse F 8A and a main switch, which - for visual control - lights up in red during operation. The Ballast features an aluminium housing (size 260 x 140 x 60 mm and a weight of 2.5 kg) with cooling ribs and rubber stands. It supplies stabilized lamp voltage of 90 - 130 V 180 Hz, ensure flicker-free light of constant intensity and a color temperature of app. 5600 K. A potentiometer permits continuous dimming of the intensity within the range 100 to 60 percent. Faulty lamps will be detected and switched-off automatically.

The Electronic Ballast is good for about 70.000 service hours. In comparison with standard devices, it reduces power consumption by app. 12 percent and extends average lamp life by app. 20 percent. Ambient temperatures of -20 to +60° C do not affect functions. An internal temperature of more than +85° C activates an automatic Thermo Safety Switch for a cool-down period. For remote control, the 0,5m 5-lead cable connection between the Light Unit and the Electronic Ballast can be extended up to 5,5m by means of extension cables, available in 2,5m <8557> or 5m <8558>.

RF interference reduction meets all applicable EN 61000-3-2 standards.

## HEDLER D 05 in ACTION

Connect your HEDLER D 05 - use extension cables if the need arises - to the Electronic Ballast by means of the 5-pin plugs and secure by tightening the connecting screw cap.

Make sure that the Electronic Ballast is set to the correct voltage - either 110 V or 230 V; the switch for this is located at the bottom side of the Electronic Ballast.

Connect the Electronic Ballast to the power supply and turn the switch at the Electronic Ballast to >I<. It will light up in red. Now ignite the Metal Halide lamp by pressing the main switch on the Light Unit. In the case of hot restrike: should the lamp not re-ignite immediately, please, turn off the main switch of the Light Unit, wait app. 35 seconds, then try again.



**Please, disconnect the HEDLER D 05 and its Electronic Ballast from the power supply before exchanging lamp and/or fuse.**

## REPLACING the LAMP or FUSE

Please, observe the instructions by the manufacturer, packed with each lamp. Make sure that - while replacing the lamp - finger prints on the quartz glass are avoided or removed with a clean cloth and some methylated spirit. Besides that, make sure that the Light Unit has totally cooled down before opening the housing!

**Replacing the lamp:** turn the two Quick-Lock levers of the Filter Holder to an upward position and remove the 4-Leaf Barndoor 360° or an attached reflector. If a filter has been inserted into the Filter Holder, please, remove it.

- The Filter Holder is held in place by two latch-screws. Turn them a ¼ turn to the left, then remove the Filter Holder together with the fix-mounted UV+Color-Filter or Fresnel lens.
- Remove the 4 slotted screws, which are holding the parabolic reflector, then extract it out of the housing.
- Hold the lamp socket G 22 SE with your left hand and pull the spent Metal Halide lamp straight and horizontal out of the socket with your right hand.
- Holding the new Metal Halide lamp <5751> by its protective cover, insert it into the socket. Remove the protective cover only after the lamp has been securely inserted. This way you avoid touching the quartz glass with bare hands.
- Re-insert the parabolic reflector and mount it by replacing the 4 slotted screws.
- Finally, align the two latch-screws of the Filter Holder vertically then push the Filter Holder into position - the latch-screws will lock automatically. In no case, do not forget to re-insert the UV+Color-Filter in its place. If desired, the 4-Leaf Barndoor 360° or a reflector can be attached now, please, secure it with the two Quick-Lock levers if you do so.

**Replacing the fuse:** use a coin to loosen the black screw cap of the fuse block, situated at the back side of the Electronic Ballast by a counter-clockwise ¼ turn. Remove the spent fuse and replace it by a new fuse of the type F 8A <1049>. Re-insert the screw cap, applying slightly pressure and secure it by a clockwise ¼ turn.

## NECESSARY PRECAUTIONS

While working with Light Units of the HEDLER Daylux range, please, make sure that the Forced Air Cooling is not obstructed in any way. Always use the Light Unit in combination with a Light Stand and keep a minimum distance between the UV+Color-filter or attached reflectors in front of the burning lamp and any combustible solids. Do not use the Light Unit near inflammable liquids, gases, solids or explosives that may be set off by heat or spark.

Light Units of the HEDLER Daylux range have been designed for professional use and should be used with professional care. The manufacturer will not assume responsibility for damage caused by unprofessional or otherwise careless use of this equipment and/or its accessories.

## HEDLER WARRANTY

All Hedler equipment is fully guaranteed against any material or manufacturing defects for two years after date of purchase. Parts made out of glass and Tungsten lamps are not covered by this warranty.

## MAINTENANCE and REPAIR

Used under normal professional conditions, Hedler Tungsten Lights require no maintenance. If repair is required, please, contact your dealer, the authorized distributor in your country or the Hedler factory directly. Please notice, that a pre-dismantled Light Unit could cause increased repairing costs.