

Hedler



Thank you for choosing a Hedler Light Unit and your confidence in the Hedler Light System. Please, read the following technical informations carefully before using the Light Unit.

Codes are given in <Brackets>.

TECHNICAL DESCRIPTION

The Light Unit HEDLER HD 20 is designed for professional use, they are assembled by applying precision methods and tested individually for function and quality. The HEDLER HD 20 is provided with an integrated U-Bracket and a friction brake and a 5/8" Quick-Lock Light Stand Attachment. After loosening the hex key screws by app. 2 turns, the U-Bracket can be moved back and forth in its keyway for gravity adjustment and it is turnable for right and left hand use.

On its front side, the aluminium housing holds the Borofloat™ safety glass. Additionally there are the Uni-Adapt studs for attaching reflectors. Interchangeable reflectors with bayonet ring can be attached in the following way: place the rim of the ring into the guide grooves of the upper studs, the round opening over the thumb-screw type stud made out of brass and lock it by a turn to the left. For attaching the rotatable Leaf Barndoors or a MaxiSoft Folding Reflector, first unscrew the brass stud, place it with its guide groove onto the inner rim of the rotating base plate, then screw the stud back into place. The Borofloat™ UV+Color-filter is held by a clip, which pulled upwards will permit removing the diffusor for replacing the lamp.

On the opposite side of the housing, one will find the ergonomically incorporated handgrip, the cable, the non-detachable fuse holders and for visual function control illuminated switches.

The HEDLER HD 20 is provided with a Forced Air Cooling by DC motor, whose electronic will function on any AC supply of 110 - 230 V. It is controlled by a thermostat, which also serves for protection of the electronics and permits continuous operation of the HT 19 in any position. After switching the lamp(s) off, cooling will continue, until the temperature inside the housing has dropped to 35° C; then stop automatically. On account of this, the HD 20 may remain connected to the main power supply permanently.

A simple change of lamps and fuses will adjust the light intensity to the desired level. For this, 230 V U-type Tungsten Halogen lamps from 650 to 1000 W and bulb-type lamps from 150 to 1000 W together with appropriate fuses are available. U-type lamps offer the best possible guarantee against shattering in case of failure.

Accessories

It is recommended to use Light Units of the Hedler range only in combination with a Leaf Barndoor or one of the accessory reflectors. This permits adjusting the light beam to the requirements of any situation. In addition to the reflectors MaxiNorm, MaxiSun and MaxiBrite or the MaxiSoft Folding reflectors 4- and 2-Leaf Barndoors, Reflex Umbrellas and Honeycombs are available.

Halogen HD 20



Please, disconnect Hedler Tungsten Lights from the power supply before exchanging lamp and/or fuse.

LAMPS and FUSES

For **replacing lamp**, first loosen the four thumbscrews holding the rimmed safety glass and remove the glass. Make sure that the lamp has cooled off, before pulling it upward and out of the socket. Push the new lamp into the socket, observing instructions by the lamp manufacturer. Replace the safety glass and thighten the thumbscrews.

For **replacing fuse**, use a coin to unsrew the cap of one of the fuse boxes, located left of the main switch on the backside of the Light housing, by a counter-clockwise turn. Remove the spent fuse and replace it by a new one of the appropriate type.

For selecting lamps and fuses, please consult the table below. The Code numbers of lamps and their appropriate fuses are to be found on the same line. Always use lamps only in combination with their appropriate fuses.

Lamps and Fuses							
Tungsten lamps	Watt	Volt	span of life / h	Kelvin	Fuses	Codes	
U-type	<0655>	650	240	50	3300	F4	<1045>
	<1004>	1000	230	15	3400	F6,3	<1039>
	<1254>	1250	230	15	3400	F8	<1043>
	<1252>	1250	230	75	3200	F8	<1043>
	<1002>	1000	230	75	3200	F6,3	<1039>
Bulb-type	<64511>	150	230	50	3400	F1	<1047>
	<64515>	300	230	15	3400	F2	<1048>
	<64516>	300	230	75	3200	F2	<1048>
	<64540>	650	230	50	3300	F4	<1045>
	<64575>	1000	230	15	3400	F6,3	<1039>
	<64576>	1000	230	75	3200	F6,3	<1039>

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This Light Unit may be used with one Tungsten Halogen lamp up to 1000 W per socket, totaling 2 x 1000 W 230 V. Lamps of lower ratings i.e. 150, 300 or 650 W may be used in combination with the appropriate fuses.

For dimming, the Light Unit is provided with electronics and a potentiometer, which is situated at the right and above the cable. The potentiometer permits stepless dimming from 100 to 0 percent. Turning the knob to the left reduces, to the right increases the intensity, while at the same time varying the color temperature within the usable range of 1800 to 3200 Kelvin.

During operation, the Light Unit may be switched off and again at set infinity. If at the beginning only one lamp was turned on, switching on the second one will automatically set it into the same level of intensity.

During dimmed operation, the Forced Air Cooling - due to reduced heat emission - will be switched off automatically more often and for longer periods than you might accustomed to from working with other models of the Hedler range. This is normal.

NECESSARY PRECAUTIONS

Working with the Hedler HD 20, make sure that the Forced Air Cooling is not obstructed in any way. Keep a minimum distance of 80 cm between the safety glass or accessories in front of the burning lamp and any combustible solids. Do not use the Lights near readily inflammable liquids, gases, solids or explosives that may be set off by heat or spark.

The Hedler HD 20 is 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.

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 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.