



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 HT 19 is designed for professional use, they are assembled by applying precision methods and tested individually for function and quality. The HEDLER HT 19 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.

The HEDLER HT 19 uses AC 110 - 230 V and the modern U-Tungsten lamps from 150 - 650 Watts. The lamp sockets can be used with individual lamps from 150 - 650 Watts for each socket. Because of that, the HT 19 main advantage is, that you can use different light power settings without changing the color temperature of the light.

The use of an individual lamp in its socket results in a specific lamp-fuse-combination, the technical information about this can be found in a table on the back.

Please notice, that the left fuse is for the lamp in the middle, the right fuse is for the two lamps left and right. Because of that, the fuse in the right fuse holder has to have a fuse size which is the result of the two lamps own fuse sizes. Example: if there are two Tungsten lamps in the sockets left and right, the correct fuse size (in this case) for the right fuse holder has to be $F 4 + F 4 = F 8$

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 HT 19 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 HT 19 may remain connected to the main power supply permanently.



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

LAMPS- and FUSES COMBINATIONS

The individual lamp- and fuse combinations can be found in this overview.

			fuse left	fuse right
3 Bulb-type lamps á 150 Watt	150 - 150 - 150	450 Watt	F 1	F 2
3 Bulb-type lamps á 300 Watt	300 - 300 - 300	900 Watt	F 2	F 4
3 U-type lamps á 650 Watt	650 - 650 - 650	1950 Watt	F 4	F 8
2 á 300 Watt + 1 á 650 Watt	300 - 650 - 300	1250 Watt	F 4	F 4
2 á 650 Watt + 1 á 300 Watt	650 - 300 - 650	1600 Watt	F 2	F 8

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 tighten the thumbscrews.

For **replacing fuse**, use a coin to unscrew 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>
						F8	<1049>
Bulb-Typ	<64511>	150	230	50	3400	F1	<1047>
	<64515>	300	230	15	3400	F2	<1048>
	<64516>	300	230	75	3200	F2	<1048>

NECESSARY PRECAUTIONS

Working with the Hedler HT 19, 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 HT 19 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 three 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.