



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 19s is designed for professional use, they are assembled by applying precision methods and tested individually for function and quality. The HEDLER HT 19s 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 19s 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 19s main advantage is, that you can use different light power settings without changing the colour 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 and the round opening over the cone-shaped bolt, and lock it by a turn to the left. To attach the rotatable Leaf Barndoors or a MaxiSoft Folding Reflector, place the rim of the ring into the guide grooves of the upper studs, and then push the complete reflector towards the Quick-Fit's cone-shaped bolt until the ring locks in the bolt's groove. Detach the reflector by lifting the Quick-Fit's handle, moving the lower side of the reflector away from the light unit's housing, and then lifting the reflector's ring out of the guide grooves of the upper studs. The Borofloat™ safety glass is held by a clip, which pulled upwards will permit removing the safety glass 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 19s 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 19s 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 19s may remain connected to the main power supply permanently.



Please, disconnect the Hedler Light Unit from the power supply when exchanging lamp and/or fuse.

NECESSARY PRECAUTIONS

Never obstruct the Forced Air Cooling (intakes or exhausts) in any way when the Hedler HT 19s is in use. Always keep a minimum distance of 100 cm between the safety glass (or accessories) and any combustible materials when the Hedler HT 19s is in use. Never use the Hedler HT 19s near any inflammable liquids, gases, materials or explosives that may be ignited by heat or spark. Hedler HT 19s are 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.

Please pay attention to the following safety notes:

- Always disconnect the Hedler HT 19s from the power supply before performing any kind of maintenance work on the unit.
- Never use a defective Hedler HT 19s. Never use a Hedler HT 19s with a defective power cord.
- Never use a Hedler HT 19s a defective safety glass. Replace a defective safety glass immediately.
- Always use the Hedler HT 19s in combination with a steady and secure standing light stand. Always work within the light stand's load capacity, especially if you are using, or plan to use, large and/or heavy folding reflectors.
- Never use a Hedler HT 19s unattended.
- Never use the Hedler HT 19s outdoors nor in exceptionally humid conditions.
- Never use the Hedler HT 19s for any reason other than photographic or cinematic lighting.
- Always keep the Hedler HT 19s out of reach of children. This is not a toy, the HT 19s is unsuitable for use by children.

LAMPS and FUSES

For replacing the lamp, unscrew the securing screw, pull the clip upward, which is securing the Borofloat™ 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, push the clip downwards securing Borofloat™ safety glass and tighten the securing screw.

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. Closing is done by pressing down the lid and screwing the cap into its place by a clockwise turn.

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 Combinations

		Fuse left	Fuse right
3 Bulb-Type lamps á 150 Watts	450 Watts	F 2 A	F 2 A
3 Bulb-Type lamps á 300 Watts	900 Watts	F 2 A	F 4 A
3 U-Type lamps á 650 Watts	1950 Watts	F 4 A	F 8 A
2 Bulb-Type lamps á 300 Watts and 1 U-Type lamp á 650 Watts	1250 Watts	F 4 A	F 4 A
2 U-Type lamps á 650 Watts and 1 Bulb-Type lamp á 300 Watts	1600 Watts	F 2 A	F 8 A

Lamps and Fuses

	Tungstenlamps	Watts	Volt	Average life / h	Kelvin	Fuse	Code
U-Type	< 0655 >	650	240	50	3300	F 4 A	< 1045 >
Bulb-Type	< 64502 >	150	230	25	3200	F 2 A	< 1048 >
	< 64515 >	300	230	15	3400	F 2 A	< 1048 >
	< 64516 >	300	230	75	3200	F 2 A	< 1048 >

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, Tungsten Halogen lamps and Flash bulbs 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 note, that a pre-dismantled Light Unit could cause increased repair costs.

APPROVAL and UL STANDARDS for SAFETY

The Hedler HT 19s Light Unit is SEV Standard tested, sign Schweiz HD 504.

The Hedler HT 19s Light Units does not have the UL (Underwriters Laboratories) Standards for Safety sign for the USA and Canada.