

OPERATION MANUAL

We thank you for your trust in our product and we would like to please you, to read the following technical, usage and safety information carefully.

Codes in brackets are <order numbers>.

Technical description

The HEDLER MaxiSoft range contains folding reflectors from 30 x 30cm, 50 x 50cm, 70 x 70cm up to 90 x 90cm, the Longbox 110 x 45cm and the Octagon 100. They are progressively constructed with rounded corners; have a Velcro™ fastener attachable diffusor with optional, the complete diffusor covering filter foils; are light weight and own a tough material. If folded a small-size and a carrying bag make transportation easily; inside the studio and on-location a fast assemble and disassemble is assured. Because of the design, a highly homogeneous spread light beam is one characteristic of each model of the MaxiSoft range, according to practical needs we offer different sizes for all HEDLER light units of the Professional- and Compact-Model range. HEDLER Honeycombs, that come along with a carrying and protection bag, are optional available for the models MaxiSoft 30, 50, 70, 90, L110 and Octagon 100.

The availability of the different MaxiSoft sizes is the result of practical needs. The more soft light characteristic of a softbox compared with other reflectors can be additionally adjusted through the chosen size according to the objects size and by changing the distance between light unit and object. As a thumb-rule: The bigger the light beam emitting surface of the HEDLER MaxiSoft is and the closer it is positioned to the object, the softer the light characteristic will be.

Quickfit System

Because of the Quickfit System it is possible to attach all HEDLER MaxiSoft folding reflectors to every HEDLER light unit. For older HEDLER light units there is the Quickfit adaptor <7022> available, for the HEDLER C-lights we are offering the HEDLER Speedring C <4022> as Quickfit adaptor. The main advantages of the Quickfit System are the totally free positioning of the folding reflector over a complete 360° circle and additionally the capability of fast changing between different lightformers, which lets you fast and easily react according to the changing needs of lighting characteristics.

If your light unit don't have a Quickfit connection and you are not sure which adaptor is the right, please contact us

0049(0)6482-918100
info@hedler.com

Important: Maximum of usable Lighting Power

Every single MaxiSoft model has a maximum of heat resistance which is defined by technical reasons and size, because of this it is very important to take special care of the following instructions and information:

Maxisoft 30 x 30cm is usable up to 300 Watts

Maxisoft 50 x 50cm is usable up to 1250 Watts

Maxisoft 70 x 70cm, MaxiSoft 90 x 90 cm and MaxiSoft Octagon 100 are usable up to 2500 Watts

If you use the Octagon100 with its Honeycomb it is only usable up to 2000 Watts

Maxisoft L 110 x 45cm is usable up to 2000 Watts and does not suit for the continuous silent operation mode.

Filter foils, Roundmasks and Honeycombs

Filter foils are available for all HEDLER MaxiSoft Folding reflectors, they offer a homogeneous Daylight-filtering. Besides this are roundmasks available for all square shaped MaxiSoft folding reflectors, they allow to create round light reflexes on shiny surfaces. Honeycombs are available for all of the HEDLER MaxiSoft folding reflectors, they suppress stray light and increase contrast and brilliance. Another advantage of Honeycombs is, that the angle between light unit and camera can be a wider one, which allows greater possibilities for the positioning of the light unit. Accessories can be attached by using Velcro™ fastener.

Information about availability of Filter foils and accessories for the HEDLER MaxiSoft folding reflector models and the corresponding code can be found in the table below or visit us on

www.hedler.com

Maxisoft Accessories	Maxisoft 30 x 30 max. 300 W	Maxisoft 50 x 50 max. 1250 W	Maxisoft 70 x 70 max. 2500 W	Maxisoft 90 x 90 max. 2500 W	Maxisoft L110 x 45 max. 2000 W	Maxisoft Octagon 100 max. 2500 W
Roundmask	-	< 7059 >	< 7079 >	< 7099 >	-	-
Honeycomb	< 7031 >	< 7051 >	< 7071 >	< 7091 >	< 7101 >	< 7811 >
Diffusor replacement	< 7339 >	< 7559 >	< 7779 >	< 7999 >	< 7199 >	< 7819 >
Diffusor replacement 110 x 25 cm	-	-	-	-	< 7198 >	-

Filter foils - for cutting individual shapes - incl. Velcro™ set		
Filter foil size 120 x 100 cm	Daylight < 1232 >	Diffusor matt < 1238 >

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NECESSARY PRECAUTIONS

Working with Hedler MaxiSoft Folding reflectors, make sure that the forced air cooling of the light unit is not obstructed in any way. Keep a minimum distance of 80 cm between the MaxiSoft and the light unit 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 MaxiSoft folding reflectors and light units 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.

ASSEMBLE and DISASSEMBLE

All HEDLER MaxiSoft folding reflectors will be assembled and disassembled in the same way. For the assembling we would like to recommend the following process:

- Spread out the textile reflector - silver side up - on a flat surface (table or floor).
- Put the rotating base plate (sleeves pointing upwards) onto the round reinforced opening of the reflector fabric.
- Stick the rods with the larger ending into the sleeves of the rotating base plate (fig. 1).
- Loosen the black Velcro™ pre-tauten-strips at the folding reflector's corners and pre-tauten the reflector by putting the sleeves of the pre-tauten-strips cross-wise onto the rubberised endings of the rods (fig. 2).
- Slip onto the rods - again cross-wise - the reflector's corners (which are equipped with black, angle-shaped Velcro™ fastener). This step can be very easily done, when the pre-tauten-strips are held in the middle and moved downwards while slipping on the reflector's corner. Because of the downward moving, an unwanted fastening of the Velcro™ will be partly or completely avoided, to give the Folding reflector its correct shape is much more easily (fig. 3).

Each light unit that should be used with a MaxiSoft folding reflector has to have a safety glass in its place. Attaching the folding reflector with the integrated (or as an additional retrofitted component) QuickFit adapter is done by the following procedure:

- Place the rim of the folding reflector's ring into the guide grooves of the upper studs, the round opening over the cone-shaped stud and push the lower part of the rim against the light unit's front plate until the rim securely snaps into the QuickFit cone-shaped stud's guide groove (refer to fig. 4, lower right side).
Please, after attaching the folding reflector check its correct position: manually rotating/adjusting the reflector must be possible without any unwanted lift off from the light unit's front plate.
- Place the diffuser fabric over the reflector's opening by pulling the Velcro™ frame on the backside of the diffuser fabric over the edges of the reflector's front. To secure it, please press on the Velcro™ frame after correct positioning.
- Adjust the MaxiSoft folding reflector position by rotating the complete reflector (if you are using the Uni-Adapt System as an additional component it's possible to secure the position with a fixing screw on the backside of the Uni-Adapt System).

Disassembling the MaxiSoft folding reflectors is done in reverse order: remove the diffuser fabric, lift the handle of the QuickFit adapter and lift the folding reflector out off the guide grooves of the two upper studs.

If you want to disassemble the MaxiSoft folding reflector completely: take off the folding reflector's corners and the pre-tauten-strips of the end of each rod, remove the rods out of the sleeves of the rotating base plate and put all parts into the carrying bag.

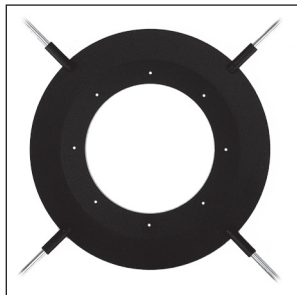


Bild 1

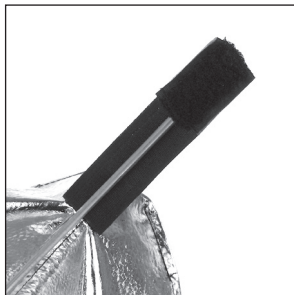


Bild 2



Bild 3

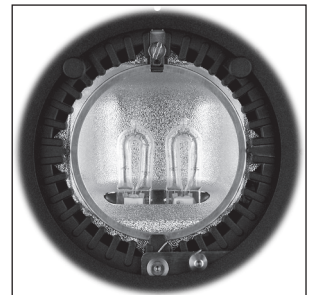


Bild 4

Practical Hint

Additional heat resistant masks can be attached in front of the MaxiSoft folding reflector. Create them in the wanted way by yourself - for example as a special light beam "cutter" or as an effect mask - imaging the possibilities of varying the given light beam. You can use our self-adhesive Velcro™ fastener, which we offer especially for this purpose, for attaching the masks to the folding reflector.

Safety instructions for Hedler light units and accessories

The following safety instructions are valid for Hedler light units and their accessory. Please, read these safety instructions completely before setting up a Hedler light unit and/or putting Hedler light unit(s) into operation. Please contact Hedler Systemlicht GmbH, 65594 Runkel directly, if you do have a technical question concerning Hedler light units and/or Hedler accessories. Please keep these safety instructions close in reach, if necessary you can download them from our website www.hedler.com as a PDF.

Hedler light unit(s), Hedler reflectors, softboxes, reflex umbrellas and/or Hedler accessories are designed for professional studio or indoor use only. Never use Hedler light unit(s), Hedler reflectors, softboxes, reflex umbrellas and/or Hedler accessories outdoors.

Setting up and putting into operation

To put Hedler light unit(s) into operation it/they have to be set up, mounted, placed, secured and monitored appropriately.

- Always use a Hedler light unit in combination with a steady and secure standing light stand which has a loading capacity that is adequate for the weight of the light unit plus cable plus accessory/accessories. Always work within the light stand's loading capacity, especially if you are using, or plan to use, large and/or heavy folding reflectors.
- Appropriate action(s) to secure light stand(s) are (for example):
 - - mounting the light stand legs to the (stage) floor,
 - - weight down the light stand legs with appropriate filled sand bags for example,
 - - blockade the light stand area.
- Please note the permitted tilting of the Hedler light unit(s) of max. 45° upwards and max. 45° downwards.
- Set up a Hedler light unit - light stand combination on leveled floor only. Please make sure for tilt resistance while setting up / taking down and while in operation. Please make sure for an antislip stand while setting up / taking down and while in operation.
- For light unit(s) in operation the ambient temperature should not underrun -15°C (5°F) or exceed approx. 35°C (95°F).
- Acclimatisation: Avoid condensation problems because of high variations of temperature. If there are high variations of temperature do not use the Hedler light unit(s).
- Use Hedler light unit(s) in hospital(s), museum(s), factory (factories) asf. with permission of the appropriate / responsible public authority, administration, company management or business management only.
- If not taking care of this safety instructions there is in particular a serious risk of squeezing, cutting and/or burning caused by overthrowing, slipping or other reason(s) because of uncontrolled/unwanted movements of a light unit(s) while setting up / taking down and/or while in operation.
- Always use a double securing like a safety wire, if you mount a Hedler light unit overhead, which has a loading capacity that it could be loaded with the weight of the mounted light unit incl. accessory multiplied by five (for example: (light unit 4.5 kg + reflector 1.2 kg) * 5 = 28.5 kg - for this case the safety wire to use must have a loading capacity of minimum 28.5 kg).
- Before putting a Hedler light unit into operation check all safety and/or positioning and/or light stand screws for being screwed in securely and/or hand-tight.
- Always keep a minimum distance of 100 cm between the safety glass (or accessories) and any combustible materials and/or any inflammable liquids, gases or explosives when a Hedler light unit is in use.
- Never use a Hedler light unit near any inflammable liquids, gases, materials or explosives that may be ignited by heat or spark.
- If you light through glass surfaces, windows and decoration surfaces keep appropriate distances between the light unit(s) and these materials, because these materials can burst if overheated and shatter could be a risk of injuries.
- Never store any combustible material(s) and/or any inflammable liquids, gases or explosives near any Hedler light unit(s).
- Never touch a Hedler light unit with wet hand and/or feet.
- Never use a Hedler light unit in extremely dusty nor in exceptionally humid and/or wet conditions.
- Never obstruct the forced air cooling (intakes or exhausts) in any way when the Hedler light unit is in use.
- Never obstruct the cooling intakes or exhausts in any way when the Hedler light unit is in use.
- Under no circumstances - do not block the cooling fan of a Hedler light unit.

- Never obstruct any opening of the housing of a Hedler light unit. Never stick any item(s) into any opening of the housing of a Hedler light unit. Otherwise there is the serious risk of an electrical shock, of a failure malfunction of the Hedler light unit, a short-circuit and/or a fire.
- Never carry a Hedler light unit by its power cord and/or its accessories.
- Always avoid the risk of a trip hazard caused by the power cord(s). If power cord(s) has/have to be layed down to the floor to connect the light unit(s) to the power supply: if possible do not so without appropriate marking or covering of the power cord(s).
- Always take care not to squeeze, to overrun, to stretch and/or to buckle the power cord of the Hedler light unit.
- Always take care that the power cord of a Hedler light unit is not worn out and/or is damaged in any way.
- Always take care not to cause a damage of the power cord of a Hedler light unit because of thermic, mechanical and/or chemical reason(s). Avoid such a risk under any circumstances.
- Never use a Hedler light unit with a defective power cord and/or plug. Replacement of a defective power cord has to be done by Hedler Systemlicht GmbH or an authorized specialist shop only. Never use a Hedler light unit with a „repaired“ power cord. A defective power cord must be replaced.
- Some of the Hedler continuous light units do have a high power consumption. Always take care, that the power supply is designed for such a high power consumption.
- Before use check your Hedler product for possible damage(s):

Component:	possible damage(s):
housing, lens, safety glass	crack, split, deformation
power cord	deformation, isolation damage, charred
power plug, mains plug	deformation, broken, charred
bracket and handle	not tightend, sliding block broken, brake disc doesn't work (correctly)

Operation

- Never use a Hedler light unit with a defective safety glass, a defective Pyrex® cover, a defective flash bulb, defective bulb(s) and/or defective fuse(s).
- Never put a Hedler light unit into operation with a defective safety glass, a defective Pyrex® cover, a defective flash bulb, defective bulb(s) and/or defective fuse(s).
- Under any circumstances keep the minimum safety distance(s) given on the identification plate and / or the safety label to avoid damages caused by light beam(s) and / or thermal radiation and / or heat radiation to person(s), animal(s) and / or item(s) and / or object(s).
- In the case of a defect or damage of the safety glass, the Pyrex® cover, the bulb(s), the flash bulb and/or the fuse(s) of a Hedler light unit (particularly while it is in operation): switch of the light unit immediately, disconnect it from the power supply, let it cool down completely and replace the defective safety glass, Pyrex® cover, the bulb(s) and/or fuse(s) with the intended original Hedler spare part. Changing/replacing a flash bulb of a Hedler light unit is not allowed to be done by a customer. Changing/replacing of a flash bulb has to be done by Hedler Systemlicht GmbH only.
- Never use a Hedler light unit unattended.
- Always disconnect Hedler light unit(s) from the power supply if it/they is/are not in use or in operation.
- Hedler light units are not designed and they are not suitable for the use as a room lighting.
- Never use a Hedler light unit for any reason other than photographic or cinematic lighting.
- While in operation avoid to jar heavily, moving jerkily and/or overthrowing Hedler light units - this could cause breaking, fragmenting into parts and/or bursting of the bulb(s) and/or flash bulbs and/or parts made out of glass; because of this there is a serious risk of cutting and/or burning in particular and the risk of damage to property like combustion, discoloring/staining, sparking, and so on.
- In the case of overthrowing, falling down and/or jaring heavily a Hedler light unit it has to be checked by Hedler Systemlicht GmbH or a specialist shop authorized by Hedler Systemlicht GmbH for damages.

Safety glass, Pyrex® cover and flash bulbs, bulbs and fuses

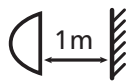
- Before performing any kind of maintenance work on the light unit - always disconnect the Hedler light unit from the power supply and let cool down the light unit completely.

- Before changing a safety glass or a Pyrex® cover - always disconnect the Hedler light unit from the power supply and let cool down the light unit completely.
- Before changing a bulb and/or fuse - always disconnect the Hedler light unit from the power supply and let cool down the light unit completely.
- For replacing a safety glass or Pyrex® cover - use the intended original Hedler spare parts only.
- For replacing a bulb and/or fuse(s) - use the intended original Hedler spare parts only.
- Never use a „repaired“ fuse.
- Changing/replacing a flash bulb of a Hedler light unit is not allowed to be done by a customer. Changing/replacing of a flash bulb has to be done by Hedler Systemlicht GmbH only.

Additional safety instructions and explanation for symbols

- Hedler light units produce a very intensive and bright beam of light: never look directly into the bulb and/or flash bulb. while it is in operation. Never light or flash directly into the eye(s) of a human or an animal, this can cause permanent damage to the eye(s) or health threat(s) (like sunburn).
- Please note, dazzle / glare caused by continuous light unit(s) or flash light unit(s) can cause an immediate (partly and/or temporarily) loss of vision - this can lead to accident(s) (traffic, stairs, and so forth).
- Before (inter-)changing accessories, light modifier(s) or bulb(s) - switch off the light unit(s) and let it cool down completely.
- Some Hedler light units and/or Hedler reflectors, parts of softboxes and reflex umbrellas and some accessories can heat up extremely while in operation: there is a serious risk of burning. Never touch these parts while they are in operation. (Please, use heatresistant and heatprotecting gloves to avoid burning!).
- Please let cool down Hedler light units and/or Hedler reflectors, parts of softboxes and reflex umbrellas and some accessories completely after using them and before packing them away: not doing so can cause serious burnign and/or the risk of sparking.
- Not used as intended and/or in the case of inappropriate use of Hedler light units and/or Hedler reflectors, parts of softboxes and reflex umbrellas and accessories there is the serious risk of a (deadly) electrical shock.
- Hedler light units, Hedler reflectors, softboxes, reflex umbrellas and/or Hedler accessories are no toys, they are unsuitable for use by children. Always keep Hedler light units, Hedler reflectors, softboxes, reflex umbrellas and/or Hedler accessories out of the reach of children.

Explanation for symbols:



Minimum
distance



Heat
°C / °F



Volt /
Voltage



Watt /
Demand



Min. load
capacity



Warning
Voltage



CE



Bin
WEEE

Maintenance

For a secure operation of light units they have to be maintained. Therefore: before using light units they have to be checked visually and an electrical safety check has to be done every twelve month. The results of this check have to be documented and archived.

Liability limitation

For all injuries and/or damages to people and/or objects, which are caused by using Hedler products in a way that the are not intended for the user is liable - not the manufacturer.

If you do have a question to set up and/or to operate Hedler light units, Hedler reflectors, softboxes, reflex umbrellas and/or Hedler accessory, please ask at Hedler Systemlicht GmbH directly or at the Hedler authorized photographic specialised dealer (a list with this dealers you will find on our website www.hedler.com).