

Operating instructions

kobold
by bron

DW 575

DW 800

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Before use

Please read all the information contained in these operating instructions carefully. They contain important details on the use, safety and maintenance of the lighting equipment. Keep these operating instructions in a safe place and pass them on to further users if necessary. Please observe these safety instructions.

Contents

Page

Important safety instructions	3
1. Start up	5
2. Operation of the lamp	6
3. Controls	8
4. Technical data	11
5. Order numbers for accessories and spare parts	12

Important safety instructions

When using your lighting equipment, basic safety precautions should always be followed, including:

1. The fixture should only be used by qualified personnel
2. Read and understand all instructions before using
3. The equipment must not be used by children. Close supervision is necessary when any fixture is used near children. Do not leave equipment unattended.
4. The fixture and the accessories mounted onto the fixture may heat up to high temperatures, so please handle with care.
5. Do not operate fixture with a damaged cable or if the fixture has been dropped or damaged - until it has been examined by a qualified service person.
6. Position the cable so that it will not be tripped over, pulled, or make contact with hot surfaces.
7. If an extension cable is necessary, a cable with a current rating at least equal to that of the fixture should be used. Cables rated for less amperage than the appliance may overheat.
8. Before the fixture is cleaned or serviced or while it is not in use, it must be completely disconnected (by unplugging the mains cable). Disconnect the fixture from the ballast unit. Never pull on the cable itself: pull only on the connector housing.
9. Let the fixture cool completely before putting away.
10. To reduce the risk of electric shock, do not immerse this fixture in water or other liquids. An electric shock could be caused.
11. To reduce the risk of electric shock: take the fixture to a qualified service person when service or repair work is required. Only original spare parts must be used to guarantee long-term mechanical and electrical operating safety. Incorrect reassembly can cause electric shock when the lamp is subsequently used.
12. The use of an accessory attachment not recommended by the manufacturer may cause a risk of fire, electric shock, or injury to persons.
13. HMI fixtures emit levels of UV radiation similar to daylight . The UV-radiation safety glass is integrated into the reflector and Softbox adapter attachment. The lamp base should never be used without a reflector or Softbox adapter attachment.

Attention: Read before starting up

- For safety reasons, always disconnect the **lamp base cable** from the ballast unit before opening the fixture for any purpose (e.g. to replace the lamp).
- To ensure maximum service life of the fixture, allow it to heat up for about 3 minutes without interruption. Always heat up with ballast dimmer set to full power.
- Because the unit emits a great deal of heat, the fixture must be located at a safe distance whenever it is facing toward flammable and/or heat-sensitive surfaces or objects.
- A hot lamp must never be placed in contact with flammable materials.
- Never use the fixture improperly, and be particularly careful not to obstruct the natural circulation of air that keeps the fixture cool. Do not cover the reflector or lamp base vent holes.
- To prevent overheating, never operate the fixture with the barn doors completely or almost completely closed.
- The fixture is not suitable for use in explosion-hazard areas.
- Do not operate the lamp without a safety glass.
- Like natural daylight, HMI/MSR light contains a certain proportion of UV radiation. The safety glass reduces the UV content to safe levels for normal operating distances. When used at close operating distance, limit the exposure time of unprotected skin.
- A ballast unit is necessary to use the fixture. The ballast unit provides for the current supply to the fixture.

These fixtures conform to the protection class I, and for this reason may only be operated **on a mains supply** with *kobold* electronic ballast units of protection class I.
- Protect fixtures and accessories from falling down or out.

1. Start up

1.1 General information

The lamp base without a reflector or Softbox adapter are not provided with a safety glass. The safety glass is integrated into the reflector or Softbox adapter and serves to protect equally against broken lamps as well as noxious UV-radiation. The fixture may therefore never be used without a reflector or Softbox adapter with an intact safety glass. A cut-off switch is provided to protect the DW 575 and DW 800. Always check for proper function. The fixture is constructed according to the protection norms IP54 and can be exposed to normal rain. However the lamp should not be exposed to splash water.

Note: When using the Softbox adapter (bare bulb) with Softboxes or lanterns, there is no weatherproof protection.

1.2 Starting up

- 1) Remove reflector
- 2) Insert lamp into lamp base
- 3) Mount Open Face reflector, PAR reflector or Softbox adapter.
- 4) Connect lamp base cable to the lamp base and secure it by tightening the cap screw nut.
- 5) Connect lamp base cable to the electronic ballast unit and secure it by tightening the cap screw nut.
- 6) Connect electronic ballast unit to the earthed/grounded mains socket.
- 7) Set the power switch on the ballast unit to ON.
- 8) Press green button of electronic ballast unit or lamp base; the fixture is switched on and operational.
- 9) Press red button of electronic ballast unit or lamp base; the fixture is switched off.

Occasionally a lamp may fail to trigger; if this happens, switch the fixture or ballast unit OFF and then ON again.

Optimum colour temperature will be reached in about 3 – 5 minutes

To ensure maximum service life of the lamp, allow it to heat up for about 3 minutes without interruption. Always heat up with ballast dimmer set to full power.

Make sure the ventilation slots on the fixture and the ballast unit are unobstructed.

1.3 Power regulation

When the fixture is used with a *kobold* ballast unit, it is equipped with electronic output dimming. This dimming function allows light output to be reduced continuously down to about 60%. Please note that depending on the type of lamp used, colour temperature may change with output. *kobold* ballast units are equipped with an electronic control of the heating up process. It controls during the heating up process automatically on full power until the operating temperature is achieved.

1.4 Remote control ON/OFF

Remote control (on): The ballast units are supplied with an active remote control mode. The function is as follows: If the operating fixture becomes switched off due to an interruption of the mains supply, it will turn on again, as soon as the mains supply begins to function.

Remote control (off): If the fixture should not be switched on automatically when the current comes back, this function can be activated on the ballast unit by re-plugging the contact bridge into another socket. The contact bridge is situated on a printed circuit board in the inside of the unit, and may only be moved by a specialist.

2. Operation of the lamp

2.1 Mounting and dismounting the reflectors and Softbox adapter

Before mounting the reflector or Softbox adapter, the knurled screw of the locking mechanism (8) must be loosened by turning it counter-clockwise. A reflector or Softbox adapter is now inserted with the marking towards the top by introducing the 3 pins into the corresponding slots (11) and turning the reflector clockwise until the pin (9) snaps into the locking position.

By tightening the knurled screw (8) the reflector or Softbox adapter are securely locked. For safety reasons the knurled screw must always be well tightened. Before taking off the reflector or Softbox adapter, the knurled screw of the locking mechanism must be loosened by turning it counter-clockwise. By pulling the mechanism backwards, away from the reflector, the locking mechanism is loosened and the reflector or Softbox adapter can be turned counter-clockwise to be removed.

2.2 Mounting and dismounting the accessories to the Open Face reflector

4-leaf barn door: Before mounting the barn door, completely loosen the knurled knob on the locking (20) mechanism. Place the movable roller (21) on the reflector edge (15), push down to compress the spring in the mechanism and slide the remaining two rollers over the reflector edge. To ensure that the three rollers have a secure hold on the reflector edge, rotate the 4-leaf barn door. Now that all 3 rollers are secured, tighten the knurled knob (20). For safety reasons, the knurled screw must be tight during operation of this light at all times.

Conversion filter/ diffusion filter: The filter slot is part of the 4-leaf barn door. Turn the 4-leaf barn door until the flap of the filter slot (18) is at the top. Open the flap of the filter by the handle, insert it completely into the filter slot (18) moving it 45° sideways until the filter handle corresponds with the safety hole of the grip at the corner of the barn door. For safety reasons check that the slot flap is completely closed.

2.3 Mounting and dismounting the accessoires to the PAR reflector

4-leaf barn door: Unlock and flip up the top barn door claw (17) by pushing in the marked direction. The 4-leaf barn door for the PAR reflector can now be inserted from above in the outer fixed groove of the three lower barn door claws. Lower the top barn door claw until it engages and locks. To ensure that the barn door is securely fitted, rotate the barn door.

PAR lens, Fresnel lens: Unlock and flip up the top barndoor claw (17) by pushing in the marked direction. Select a PAR or Fresnel lens and insert from above in the inner fixed groove of the three lower barn door claws. Lower the top barn door claw until it engages and locks. To ensure that the barn door and lens are securely fitted, rotate the barn door.

Scrim ring: Unlock and flip up the top barn door claw (17) by pushing in the marked direction. The scrim ring can now be inserted from above (behind the 4-leaf barn door) in the outer fixed groove of the barn door claws. Lower the top barn door claw until it engages and locks. To ensure that the barn door and lens are securely fitted, rotate the barn door.

2.4 Focusing

Use the rotary knob (3) on the rear of the lamp base to adjust the focus; note the corresponding flood and spot symbols on the lamp base indicating the adjustment directions. By using the lamp base with an Open Face or a PAR reflector with a mounted Fresnel lens, the complete focus range can be used. By using the lamp base with a PAR reflector with or without mounted PAR lenses, be aware that only a part of the focus range can be used.

Note: Gel filters can also be used instead of mounted glass filters. Attachment clips (19) for these are located on the two wide door leaves.

2.5 Inserting or replacing a lamp

Before replacing the lamp “**attention hot lamp**”, switch the ballast unit OFF and disconnect the fixture from the ballast unit.

- Remove accessories including 4-leaf barn door (see section 2.2-3)
- Unlock reflector
- Carefully pull out the reflector
- Carefully insert the lamp into the ceramic socket, align the two pins with the holes in the socket and push it in all the way. The two spring clamps (10) on the

lamp socket must engage the lamp's ceramic base. Be careful not to tilt or jam the lamp while inserting it, and handle the lamp only by the base in order to keep the quartz glass free of fingerprints. Any fingerprints or other marks on the quartz glass must be immediately removed with a clean cloth moistened with solvent or alcohol. No warranty or replacement obligation applies to lamps that have been damaged by improper insertion.

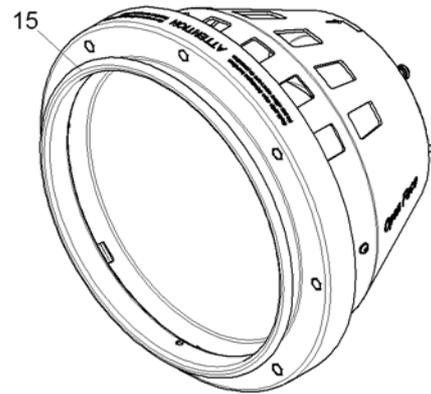
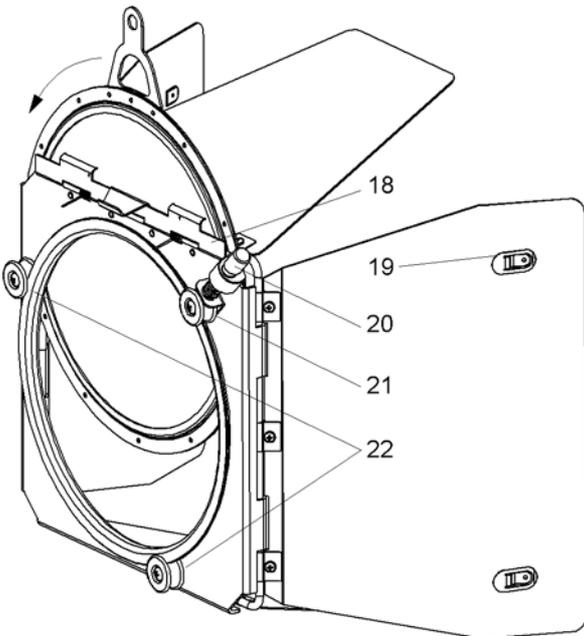
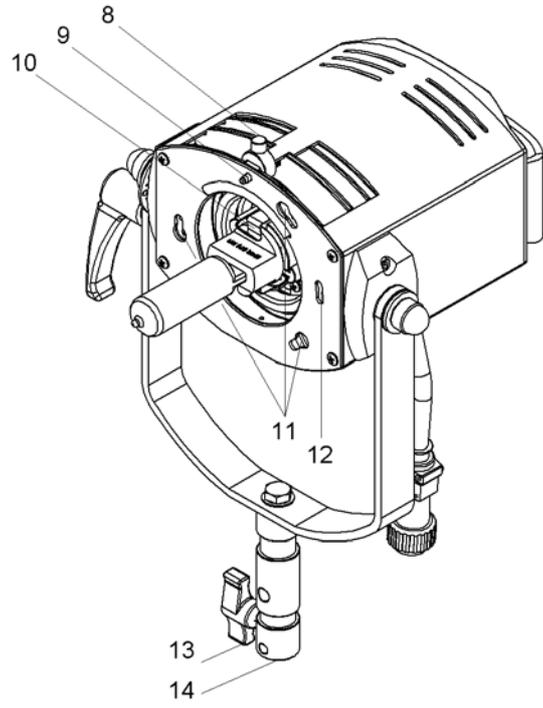
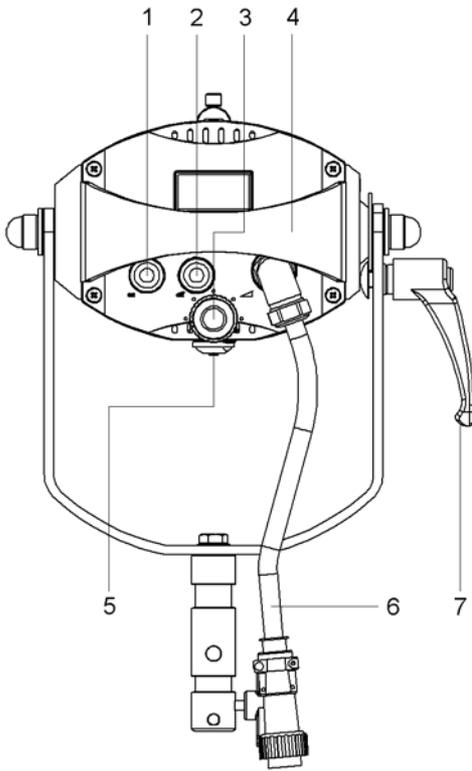
- Before mounting the reflector or Softbox adapter check that the safety glass is intact. Safety glasses which are scratched or otherwise damaged must always be replaced.
- Carefully reinsert the reflector (see chapter 2.1) or Softbox adapter back into the lamp base; push it smoothly and exert only minimal force.

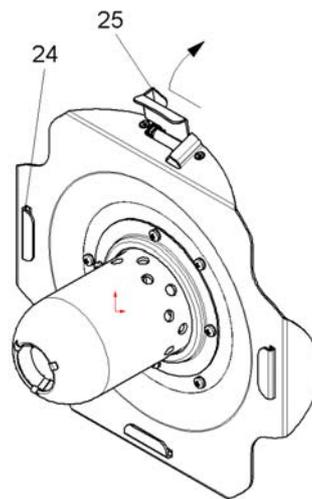
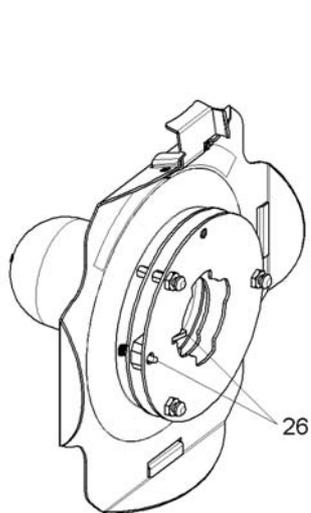
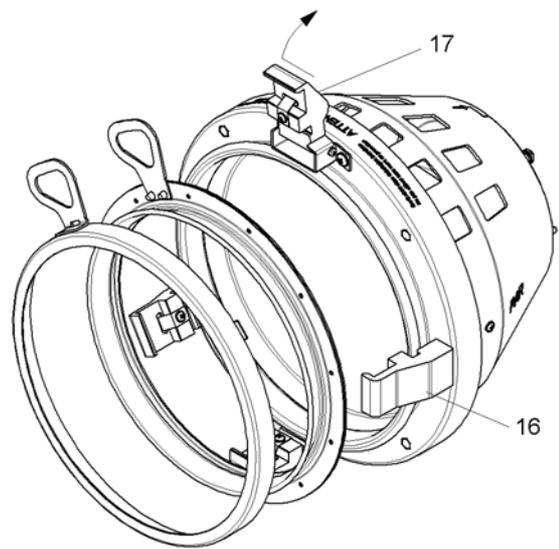
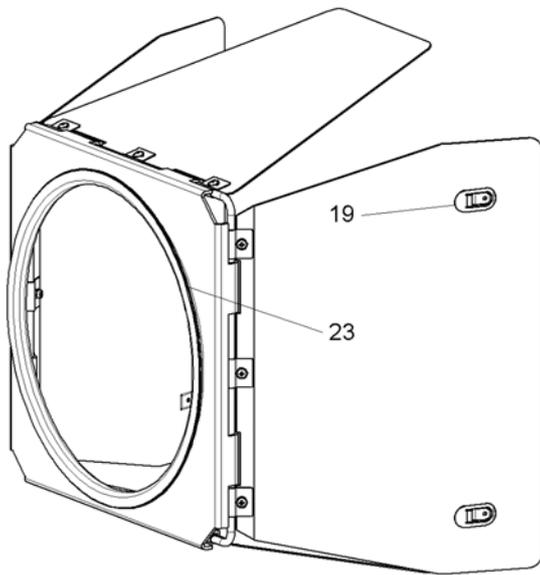
Lamps of different manufacturers are subject of a certain tolerance. To adjust the lamps in the optimal position (spot) to the reflector, the lamp can be adjusted with the setting screw (5).

Attention! The safety glass provides protection in the event of a lamp exploding, and UV radiation. Never use the fixture without an intact safety glass.

3. Controls

- 1) On switch
- 2) Off switch
- 3) Focusing knob
- 4) Lamp base grip
- 5) Focus position set screw
- 6) Lamp base cable connector
- 7) Yoke locking handle
- 8) Locking knob
- 9) Reflector locking mechanism
- 10) Lamp safety spring clips
- 11) Slots for reflector or Softbox adapter
- 12) Slot for safety switch
- 13) Fixation screw for 16mm stand spigot
- 14) 28mm stand spigot
- 15) Open Face reflector barn door mounting edge
- 16) Fixed barn door claw
- 17) Movable barn door claw
- 18) Filter slot flap
- 19) Gel filter clips
- 20) Knurled screw for roller lock down mechanism
- 21) Movable roller
- 22) Stationary rollers
- 23) PAR reflector barn door mounting edge
- 24) Claw for 280 mm (9") accessories
- 25) Movable locking claw
- 26) Rocker to activate the safety switch





4. Technical data

Lamp		DW 575	DW 800
Lamp output		575 W	800 W
Photometric Spot / Flood in 5m with Open Face reflector		13200 / 870 Lux	20200 / 1430 Lux
Photometric in 5 m with PAR reflector (without PAR lens)		100000 Lux	115000 Lux
Focus range with Open Face reflector		12° - 70°	
Dimming range (with electronic ballast unit)		100% - 60%	
Colour temperature		depending on the used lamp ~ 5900 K	
Lamp	Osram Philips Sylvania G.E.	HMI575 SE HR MSR575 SE HR BA575 SE HR CSR575 SE HR	BA800 SE HR CSR800 SE HR
Lamp socket		G22	
Hot restrike (HR)		yes	
Norms		EN 60598, EN 60926, EN 55011	
Standards		73/23/CEE, 89/336/CEE	
Safety class		I	
International protection		IP 54	
Dimensions L x B x H mm		226x300x415 9" x 12" x 16"	
Weight without reflector		3,9 kg / 4.5 lb	
Weight Open Face reflector		1.85 kg / 4.1 lb	
Weight PAR reflector		2.1 kg /4.6 lb	
Cable length		0.6m / 2 ft	
Stand mount		28mm(1 1/8") spigot with 16mm (5/8") hole	

Subject to change in the interest of product enhancement.

5. Order numbers for accessories and spare parts

Open Face reflector for DW 575/DW 800	Article no. 741-0577
PAR reflector 575/DW 800	Article no. 741-0576
4-leaf barn door, rotatable with filter insertion for Open Face reflector	Article no. 741-0730
4-leaf barn door, rotatable, for PAR reflector	Article no. 741-0731
Diffusion filter, with frame for Open Face reflector	Article no. 713-0513
Conversion filter, 3200K, for Open Face reflector	Article no. 713-0512
PAR lens set (4pces.) for PAR reflector	Article no. 713-0527
PAR lens NSP 7° x 8°	Article no. 713-0710
PAR lens MFL 9° x 21°	Article no. 713-0711
PAR lens WFL 26° x 56°	Article no. 713-0712
PAR lens VWFL 47° x 47°	Article no. 713-0713
Fresnel lens for PAR reflector	Article no. 713-0534
Scrimring for PAR reflector (minimizes stray light and holds up to 3 scrims)	Article no. 744-0168
Scrim single half	Article no. 744-0209
Scrim double half	Article no. 744-0210
Scrim full single full	Article no. 744-0211
Scrim double full	Article no. 744-0212
Adapter for Softboxes and Lantern etc.	Article no. 744-0300
Lamp 575W	Article no. 633-5450
Lamp 800W	Article no. 633-7406
Lamp cable, 7,5 m (25 ft), for DW 575 / DW 800	Article no. 742-0599
Lamp cable, 10 m (32.5 ft), for DW 575 / DW 800	Article no. 742-0602
Lamp cable, 20 m (65 ft), for DW 575 / DW 800	Article no. 742-0635