



Universität Bremen

Safety instructions
according to § 9 BetrSichV

Responsible person: K. Sebold

Working area:
Physikalische Praktika

Applicable to employees, tutors
and students

Workplace:
S3180, S3040, S3100, ...

Field of application

Spectral lamps
with lamp housing.

Hazards for humans and the environment



Risk of burns due to hot surfaces
Damage to the eyes when
- prolonged gaze into the direct or reflected light beam
Health hazard due to mercury vapours
- if a mercury spectral lamp breaks

Protective measures and rules of conduct

- Carry out a visual inspection before using, report any damage or unusual conditions (heat, odour) immediately to the technical staff and switch off lamps immediately if necessary
- Only use lamps as specified
- Only operate spectral lamps via universal choke or ballast
- Protect from impact and falling, risk of breakage!!!
- Spectral lamps are only to be replaced by technical staff; to do this, allow the lamp to cool down first and disconnect it from the supply voltage
- Protect from splashing water, do not switch on wet devices
- Do not cover ventilation slots or heat sink and light outlet opening, heat build-up!
- Do not touch the lamp housing during operation, it gets hot!!!
- Protect the connecting cable from mechanical/thermal damage

Behaviour in the event of a malfunction



- Switch off the appliance immediately and pull out the mains plug
- Inform technical staff
- If a mercury lamp breaks, leave the room and inform the technical staff immediately!!! Collect mercury in a professional manner, ventilate the room well

First Aid – Emergency call (0)112



- Press emergency stop!!!
- Pay attention to self-protection!!!
- Provide first aid, inform first aiders, consult a doctor in the event of medical problems

Maintenance / Appropriate disposal

- Repairs are only to be carried out by a specialist
- Dispose of the lamps in the hazardous waste, lamp housing in the electronic waste, contact: Hotline 60088

Date: _____ Signature: _____