

# DERUNGS / WALDMANN PARTNER FOR YOUR LIGHTING SOLUTION

## WE OFFER THE MAXIMUM EFFICIENCY

We always put our client first in our job. That is why you will not only find a large product range, but also a competent assistance and guideline professionals. Long-term client satisfaction is the only objective we are committed to!

### Our range of luminaires:

D <sup>med</sup> ®	Minor Surgical (Treatment) and Examination Lights (Diagnoses)
D <sup>care</sup> ®	Care and Reading Lights
D <sup>lite</sup> ®	General room lighting

### Our market segments

Senior care / Hospitals / Clinics / Doctors' surgeries / Veterinary surgeons / Animal clinics

### Our offer

In addition to our standard solutions, we are developing special, custom-made products according to the requirements of our clients. Lighting solutions are based on the Derungs and Waldmann products.

**DIVA, TYCOON = Waldmann**  
**OTHER LUMINAIRES = Derungs**

### Service / Advisory Services

We are at your service as an innovative, flexible and reliable partner. Advisory service and support are an integral part of our service spectrum, complete with professional planning of lighting systems and unique lighting designs. Moreover, we remain at your disposal after the sale with our fast and reliable customer service.

### Lighting concepts - all from one supplier

Right from the first design steps, the choice of an appropriate lighting solution may be facilitated in a decisive manner by carrying out different lighting calculations and visualizations. A global idea of the luminances and their distribution is therefore available right from the beginning of the study. This allows the architect and user to realistically understand a solution's feasibility and will help in the decision making. You will benefit from the following advantages with the Derungs/Waldmann "one-source" solutions:

- The same lighting system can be used for the reception, the corridors, the rooms, the bathroom facilities, stairwells and day rooms. This leaves the eye plenty of time to adjust to the given light level. This is also ideal for design homogeneity
- The same light source for all the luminaires from the same product range (reducing stock for maintenance)
- Very easy up-keep and maintenance with few tools thanks to the similar structure for the luminaires
- Professional assistance for lighting calculations
- Project visualization to help decision making

### RECOMMENDATIONS

#### Bedside reading lights should be equipped with a safety catch

- Luminaire cannot be unintentionally removed from bracket (risk of accident / damage to luminaire)

#### External surfaces of medical luminaires should be smooth

- Easy to clean and disinfect

#### Cable should be in arm joint

- No exposed wires or springs that might endanger the patient
- Easier and safer to clean

#### Low heat generation

The unique design of Derungs luminaires in conjunction with high-performance technology ensures that little radiant heat is emitted and that the heat generated on the luminaire body is kept to a minimum. Even if the luminaire has been on for an extended period, hazards due to excess heat (risk of getting burnt / risk of fire) are eliminated.

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### Guide light

- Helps the patient find the lamp switch even in the dark

### Spring-balanced joints

- Easy to use
- Easy positioning
- No unintentional tilting of luminaire (risk of accident / risk of fire)
- Reduced maintenance

### Ergonomic handles to position the luminaire

- Switch and night light switches are located near the handle
- Special textured surface (notches) help guide people with visual impairment

### Energy efficient luminaires

- Low energy, high-performance
- Large lighting radius that is shadow-free
- Low heat (no excess heat for the patient, no risk of fire)
- Long service life (15,000 h) = virtually maintenance free

### Halogen lamps

- Comfortable but "spotty" light
- Dichroic lamps emit less heat in the direction of light
- Housing with good heat dissipation
- Additional protection (second glass shield) from contact with the hot light source
- Spacer, so that the luminaire does not lie flush on a given surface at any time (overheating)

### Shield

The purpose of the special shield material is to repel heat, to control glare, to distribute light and to prevent anyone from reaching into the fixture.

### Maintenance and service

- Patient luminaires should be designed to require little maintenance
- Top-quality materials ensure a long service life
- Durable, energy-efficient illuminants cut maintenance costs
- Good service guarantees a good partnership

### Standards

Derungs luminaires have been developed, produced and certified according to the relevant standards and regulations in the field of medical lighting system to guarantee a maximum of safety:

- CE Marking according to Directive 93/68/EEC
- Medical Device Directive 93/42/EEC
- Low Voltage Directive 73/23/EEC
- Electromagnetic Compatibility Directive 89/336/EEC
- RoHS Directive 2002/95/EEC
- WEEE Directive 2002/96/EEC)
- IEC/EN 60598-1: Luminaires: General Requirements and Tests
- IEC/EN 60598-2-25: Luminaires for use in Clinical Areas of Hospitals and Healthcare Buildings
- IEC/EN 60598-2-1: Fixed General Purpose Luminaires
- IEC/EN 60601-1: Medical Electrical Equipment: General Requirement for basic Safety and essential Performance
- IEC/EN 60601-2-41: Particular Requirements for the Safety of Surgical Luminaires and Luminaires for Diagnosis
- ISO 9001