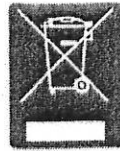


OPERATING INSTRUCTIONS

for Multilight LED-Illuminators

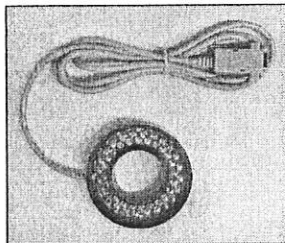


1. General

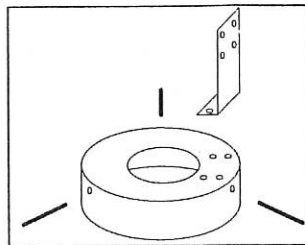
- Never look directly into the light source to avoid damage to your eyes!
- Clean surfaces with a soft moistened cloth.
- Should there be defects noticeable, don't repair them, but return the product to your supplier.
- When replacing a fuse, be sure to pull the main plug beforehand.
- This LEDs are in accordance with Laserclass 1 (EN 60825-1:2001).

2. LED-Ringlight

Multilight LED-Illuminators don't require service. They come always with the correct plug which fits into the ordered LED-Controller.



LED-Ring Illuminator



Mounting proposal

To mount the Ring-Illuminator to objective lenses or to microscopes 3 centering screws or an optional 90° bracket is supplied, see above.

3. Accessories for LED-Ringlights

a) Fresnel Lenses

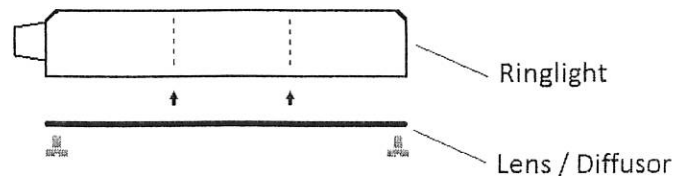
They project the image of the LED in varying distances, like 50, 100 and 200mm

b) Diffusor

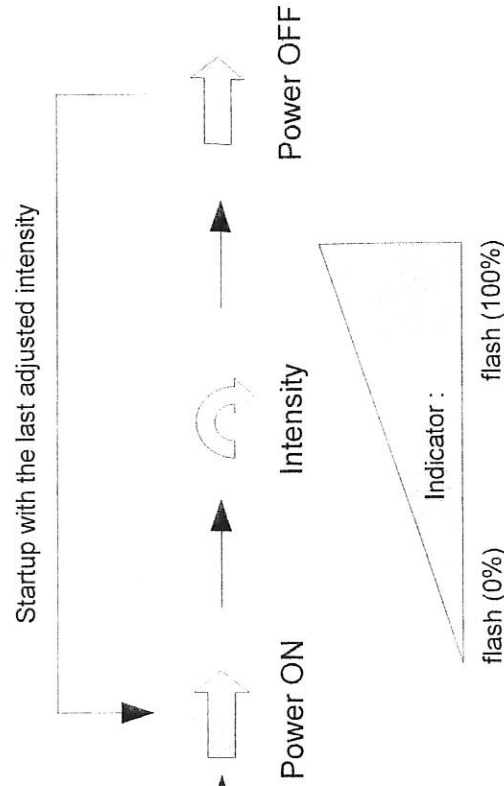
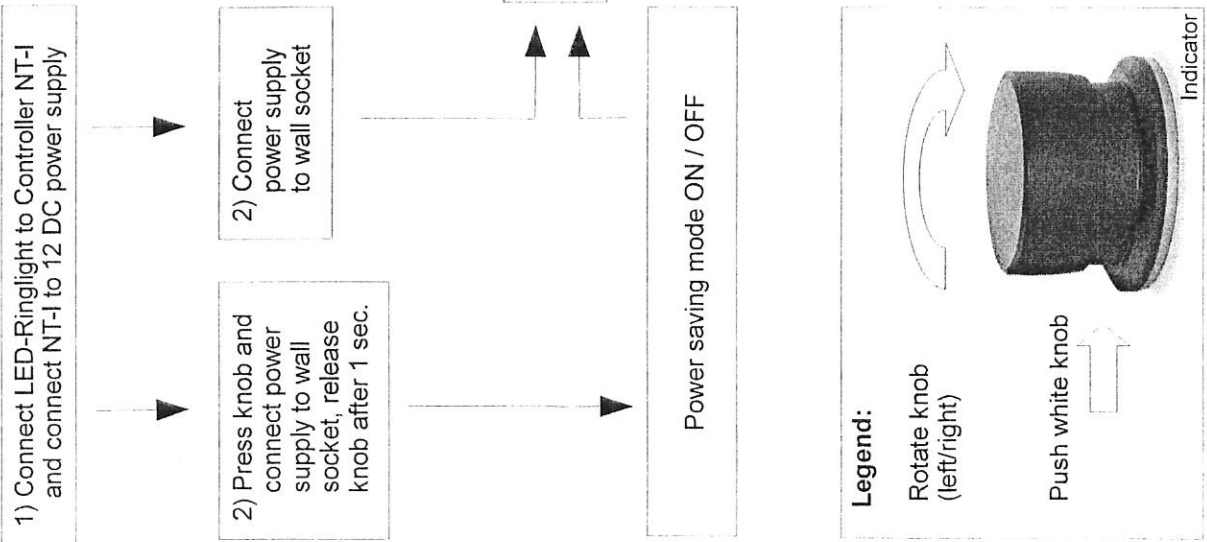
In order to create an even distribution of the LED-source, use a diffusing glass.
Recommended use:

Working Distance	Recommendation	Alternative
40 - 80 mm	Fresnel 50mm	---
80 - 140 mm	Fresnel 100mm	---
140 - 250 mm	Fresnel 200mm	Diffusor
250 -	no lens needed	Diffusor

All above Accessories are mounted with 2 M2 screws at the front of the Ringilluminator.



Quick Start Guide for LED controller NT-I



Power saving mode:
After 20 minutes unused the knob, the intensity is automatically reduced to 25% of the adjusted intensity. The indicator becomes green
Rotate the knob to return from power saving mode to intensity adjustment.

