

## Operating Instructions

### LED WORSTATION LIGHT

# LABORATORY EQUIPMENT



Fig.: table installation set

Dear Customer!

Whether in laboratory, surgeries or in the office – the REITEL *LED Workstation light* with elegant design, generates a pleasant homogeneous workplace illumination! The LED lighting system is infinitely adjustable in brightness and colour temperature from warm white to cool white, enabling the user to store / recall up to three light settings.

Any other use or usage beyond this scope is considered unintended use. The manufacturer shall not be responsible for any damages that may result thereby.

Prior to installation of the device operating instructions and especially the safety instructions must be read and followed by all personnel who use this device.

After having unpacked the device, please check carefully whether transportation damages of any kind have occurred. If that is the case, the carrier or manufacturer must be notified within 3 days. The company will not be responsible for any damages found after that.

These operating instructions must be read and followed by all personnel who use this device. To ensure quick access we recommend to keep it at a safe place near the device. In case of loss it can be ordered from the manufacturer.

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# 1 Technical Description

## 1.1 Basic Equipment

Order-No.: 19101000 / 19111000

### LED WORKSTATION LIGHT MINI / COMFORT for installation at the desk

- LED light
- Power supply
- Clamp

#### Additional Equipment:

- Optional extra for table installation of LED-Worklights  
Order-No.: 29172000
- Optional extra for wall mounting of LED-Worklights  
Order-No.: 29173000



## 1.2 Device Components

- 1 On/off switch
- 2 Dimming function - brightness
- 3 Color settings
- 4 Save / recall light settings
- 5 Memory display
- 6 For wall and profile assembly: cable connection



## 1.3 Technical Data

Operating Voltage	48 V / 48 W Power Supply (universal 110 V and 230 V / 50 + 60 Hz)
Current consumption	MINI: 0,5 A COMFORT: 1,0 A
Height/width/depth (wall assembly)	MINI: 31 x 304 x 198 mm COMFORT: 31 x 564 x 198 mm
Length of articulated arm	approx. 900 mm
Weight	MINI: ca. 1,8 kg COMFORT: ca. 2,5 kg
Light color	white, adjustable
Angle of radiation	approx. 60°
Illumination 0,5 m	MINI: 2.510 Lux COMFORT: 4.650 Lux
Illumination 1,0 m	MINI: 664 Lux COMFORT: 1.322 Lux
Illumination 1,5 m	MINI: 320 Lux COMFORT: 617 Lux
Housing	aluminium
Subject to modifications	

## 2 Safety Notes

### 2.1 General Safety Notes

- Please read the operating instructions and information enclosed with the appliance
- The appliance must only be used when in perfect working order, in awareness of the safety aspects and hazards in compliance with this user manual.
- Keep this manual within easy reach of the appliance.
- Disconnect damaged connecting cables immediately from the power supply. They must be replaced by the manufacturer or by an authorised electrician
- Only original parts and set-components or those authorised by the manufacturer, may be used
- The workstation light may be set-up and operated only in dry rooms

### 2.2 Specific Safety Notes

- The workstation light must not be installed in rooms where there is an explosion hazard. Operation of the workstation light in rooms where there is an explosion hazard may cause explosions and is likely to result in serious injury or death
- Allow your lamp to incline or to rotate to a max. of 90° to the left or to the right
- Maintenance and repair only by an authorized electrician
- Prior to working on the light, disconnect it from power supply
- Position the workstation light in a stable manner and properly assemble all fastening elements

### 3 Installation

#### 3.1 Clamp for table fitting (up to 6.5 cm plate thickness)

For mounting, first screw the clamp (see Fig. 1) to the table top. Then insert the articulated arm incl. the preassembled luminaire from above into the clamp (see Fig. 2) and establish the cable connection.

Then adjust the articulated arm and the light head according to the individual pivot points (Fig. 4).



Fig. 1



Fig. 2

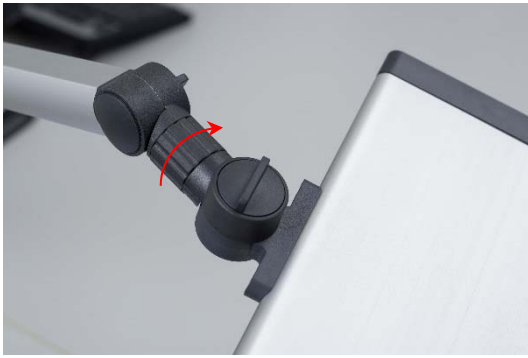


Fig. 3



Fig. 4

## 4 Operation

Depending on application the REITEL LED *workstation light* is individually adjustable/dimmable in light and brightness and it clearly accentuates outlines and details e.g. in testing stations. A constant distribution of light (prism technology) reduces light density and produces glare free light. Reflections on glossy parts are reduced to a minimum.

### 4.1 Light color and brightness adjustment

1. Switch on the workstation light with the on/off switch (1).
2. Adjust brightness by keeping the dimmer (2) pressed.
3. Briefly press the dimmer switch (2) the brightest adjustment is obtained.
4. Press key 3 for some time to vary light colour from warm white to cool white (3.000 K – 6.500 K).
5. Briefly press key 3 to reset immediately to cool white (6.500 K).

### 4.2 Save/recall up to three light settings

1. Factory default settings as below:
  - Memory 1: Cool white (approx. 6.500 K), maximum brightness
  - Memory 2: Warm white (approx. 3.000 K), maximum brightness
  - Memory 3: Neutral white (approx. 4.500 K), maximum brightness
2. Briefly press the memory button (4) to recall light settings 1 – 3 (5).
3. For saving your custom settings, select memory position that you intend to overwrite. Proceed according to chapter 4.1 and press the memory button (4) for at least five seconds. Key 5 flashes briefly to indicate that the setting was stored.



## 5 Troubleshooting

Lamp doesn't work	a. Check the main fuse of the building. b. Check power cord.
Lamp doesn't respond to settings.	a. Press the keys more firmly. b. Keys were not pressed long enough. c. Contact the manufacturer.

## 6 Maintenance

- Check the device on a regular basis for visible damage to housing or power cord.
- Use a soft, dry cloth to clean the lamp on a regular basis. We recommend a non-abrasive microfiber cloth. Do not use any solvents.

## 7 Warranty

We, REITEL Feinwerktechnik GmbH, offer a 1 year's warranty beginning from the proven date of purchase. This warranty covers all defects traceable to materials, design or workmanship. The following warranty regulations are applicable:

Within the warranty period Reitel Feinwerktechnik GmbH or an authorized distributor agrees at its sole option, to perform repair or replace this product at no charge covering all defects traceable to materials, design or workmanship. Warranty only applies to appropriate use and regular maintenance of this product according to the operating instructions. Claims under warranty are restricted to complementary performance. Additional claims, especially claims for indemnifications, are not covered by this warranty.

1.

Warranty claims have to be addressed to the distributor the product was purchased from or directly to our service department.

Contact:

REITEL Feinwerktechnik GmbH

Senfdamm 20

49152 Bad Essen

Germany

Phone: +49(0)5472-9432-32 (Service Department)

Phone: +49(0)5472-9432-0 (Reception)

Fax-No: +49(0)5472-9432-40

2.

In case of warranty claim application the sales receipt or your purchase invoice showing the date of purchase of the product and the serial number must be furnished. Securely pack and ship the device, freight charges prepaid, at your own risk to us, along with a report describing the defect. We reserve the right to decline warranty if this information has been removed or modified after purchase of the product or if they are not included in case of warranty claims.

3.

Warranty repairs have to be performed by REITEL Feinwerktechnik GmbH or by authorised distributors. Repairs performed by non-authorised companies will void the claim for refund since damages to the product resulting hereof are not covered by warranty.

4.

If the unit sent in for repair or replacement is still under the original warranty then warranty is to the end of the original 1 year warranty.

5.

If the unit is destined to be operated in another country than originally intended and manufactured for, modifications to the product might be necessary to comply to special technical and /or safety standards of that specific country. Such modifications are no defects traceable to materials, design or workmanship. and are therefore expressly excluded from warranty claims.

Modification costs or damages arising from operation of the product under deviating conditions are not covered by warranty.

6.

Exclusions from warranty:

- Service and maintenance work as well as repair and replacement of consumables according to our consumables' list
- Transportation cost of the machine or installation and dismounting expenses incurred
- Damages due to use of the product other than for its intended purpose
- Damages due to faulty installation or insufficient maintenance of the product (e.g. decalcification)
- Damages due to natural disaster e.g. lightning, water, fire, act of nature beyond control, war, inadequate line voltage, insufficient ventilation, no decalcification, insufficient care and cleaning or non-adherence to operation and maintenance instructions according to the accompanying operation guide.
- Damage due to use of the product other than in accordance with the instructions provided by REITEL Feinwerktechnik GmbH;
- The warranty does not cover the cost of removal and replacement of parts and accessories, unless supplied as original equipment by REITEL Feinwerktechnik GmbH
- All kind of damages occurred not directly at the device as well as consequential damages (e.g. damages to furniture due to a lack of water, downtime of the machine, material, lost working hours, wages and other consequential damages).

This warranty shall be rendered null and void if:

- the product has been subject to any modification, repair or replacement other than as authorised by REITEL Feinwerktechnik GmbH
- the product is continued to be operated despite a functional defect

7.

The warranty is device specific and may be claimed, within the warranty period, by any person who has legally acquired the device.

8.

Consumables are excluded from warranty. Spare parts are subject to a warranty coverage of 6 months against all defects traceable to materials, design or workmanship according to these warranty regulations.

9.

Legal default claims on the part of the purchaser remain unaffected by this warranty.

10.

We reserve the right to charge a fee if repair of the device is rejected and the device is destined to be sent back unrepaired.

11.

**Please note:**

Upon repair or replacement of this unit, personal data and settings might get lost or damaged. We don't accept liability for all kind of data loss. The customer is advised to backup essential programs and data before sending for service.

12.

This warranty shall be interpreted in accordance with German law to the exclusion of UN sales law. Place of jurisdiction is our business location.

13.

If any provisions of this warranty are judged to be illegal or unenforceable, the continuation in full force and effect of the remaining provisions will not be prejudiced. The provisions of this warranty judged to be illegal or unenforceable shall be construed so as to give effect to the intent manifested by the provision held invalid, illegal or unenforceable and to give effect to section 13 hereof.

14.

Should you need to borrow a device while your device is being repaired, please contact Messrs. REITEL or your distributor. These loans are a service for which availability cannot necessarily be guaranteed. After the warranty period, a fee may be charged for loan equipment as well as for shipping and packaging.

## 8 Disposal Regulations



According to valid laws our devices are disposed of properly according to B2B-regulations for proper disposal. Please contact our local dealer for information on local disposal regulations.

## 9 EU DIRECTIVE

### EU-Konformitätserklärung EC-Conformity Declaration CE-Déclaration de Conformité

im Sinne der Europäischen Norm EN ISO/IEC 17050-1:2010  
according to the European Standard EN ISO/IEC 17050-1:2010  
au sens de la norme européenne EN ISO/IEC 17050-1:2010

#### Name und Anschrift des Herstellers/Name and address of manufacturer/Nom et adresse du fabricant:

Reitel Feinwerktechnik GmbH  
Senfdamm 20  
49152 Bad Essen

Diese Erklärung bezieht sich nur auf das Gerät in dem Zustand, in dem es in Verkehr gebracht wurde; vom Endnutzer nachträglich angebrachte Teile und/oder nachträglich vorgenommene Eingriffe bleiben unberücksichtigt. Die Erklärung verliert ihre Gültigkeit, wenn das Produkt ohne Zustimmung umgebaut oder verändert wird./This declaration relates exclusively to the device in the state in which it was placed on the market and excludes components which are added and/or operations carried out subsequently by the final user. This declaration will become invalid if any unauthorised modification is made to the product./Cette déclaration concerne exclusivement les dispositifs dans l'état dans lequel elles ont été mises sur le marché et exclut des composants ajoutés et/ou les opérations effectuées par la suite par l'utilisateur final. La présente déclaration perd sa validité si des modifications non-autorisées ont été apportées à la machine.

**Hiermit erklären wir**, dass das nachstehend beschriebene Gerät/**We hereby declare** that the device described below/**Nous déclarons** que le dispositif ci-dessous

**Produktbezeichnung/Product name/Nom du produit:** LED Arbeitsplatzleuchte  
Typenbezeichnung/Type/Type: Mini / Comfort

auf das sich die Erklärung bezieht, mit den folgenden Normen übereinstimmt/to which this declaration relates is in conformity with the following standards/auquel cette déclaration se réfère est en conformité avec les normes suivantes

EN 60598-1	Leuchten – Teil 1: Allgemeine Anforderungen und Prüfungen
EN 61000-4-2:2010	EMV – Teil 4-2: Prüf- und Messverfahren – Prüfung der Störfestigkeit gegen die Entladung statischer Elektrizität
EN 61000-4-3:2010	EMV – Teil 4-3: Prüf- und Messverfahren – Prüfung der Störfestigkeit gegen hochfrequente elektromagnetische Felder
EN 61000-4-4:2010	EMV – Teil 4-4: Prüf- und Messverfahren – Prüfung der Störfestigkeit gegen schnelle transiente elektrische Störgrößen/Burst
EN 61000-4-5:2010	EMV – Teil 4-5: Prüf- und Messverfahren – Prüfung der Störfestigkeit gegen Stoßspannungen
EN 61000-4-6:2010	EMV – Teil 4-6: Prüf- und Messverfahren – Prüfung der Störfestigkeit gegen leitungsgeführte Störgrößen, induziert durch hochfrequente Felder
EN 55015	Grenzwerte und Messverfahren für Funkstörungen von elektrischen Beleuchtungs-einrichtungen und ähnlichen Elektrogeräten

und wo anwendbar/and where applicable/et, où applicable:

**gemäß den Bestimmungen der Richtlinien** (falls zutreffend)/following the provisions of Directive (if applicable)/selon les dispositions de la directive (si applicable)

EMV-Richtlinie/EMC Directive/Directive CEM	2014/10/EU	20.04.2016
Niederspannungsrichtlinie/Low Voltage Directive/Directive basse tension	2014/30/EU	20.04.2016

Das Betriebsmittel erhält folgende Kennzeichnung: (falls zutreffend)

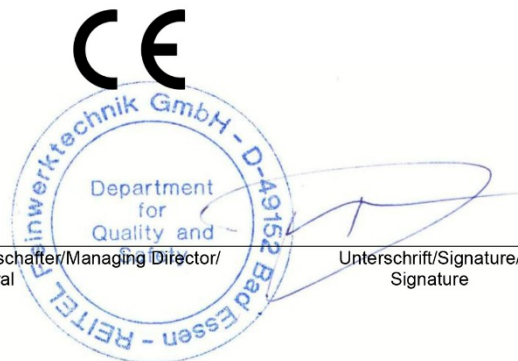
Daniel Reitel  
Reitel Feinwerktechnik GmbH  
Senfdamm 20  
49152 Bad Essen

16.02.2017

Ort, Datum  
Place, Date  
Lieu, Date

Daniel Reitel, Geschäftsführender Gesellschafter/Managing Director/  
Directeur Général

Unterschrift/Signature/  
Signature



We manufacture in compliance with Quality Management ISO 13485:2016 incorporating established standards.



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