

Use the Leitz Style Desk Lamp with a Smartphone

Enhance the functionality of your Leitz Style Smart LED Desk lamp with the free App.

Without the App, you can use the Leitz Style Smart LED Desk lamp with the control panel. With the control panel you can switch the lamp on and off, dim the light, adjust the brightness level and choose from two Ambiences.

With the App you can control the Leitz Style Smart LED Desk lamp wireless with your mobile device. You can also:

- Predefine and select your custom Ambience.
- Adjust the Ambience manually.
- Set up and activate Auto-Brightness.
- Activate automatic switching on and off.

To install the Leitz Style Desk Lamp on your mobile device, do the following:

For iOS (iPhone):

1. Go to the App Store.
2. Search for “Leitz Style Desk Lamp”.
3. Select the Leitz Style Desk Lamp and tap on Install.

For Android:

1. Go to the Play Store.
2. Search for “Leitz Style Desk Lamp”.
3. Select the Leitz Style Desk Lamp and tap on Install.

Connect with Bluetooth for the first time

To connect the Style Desk Lamp to your mobile device with Bluetooth for the first time, do the following:

1. Disconnect the Style Desk Lamp from the mains
2. Activate Bluetooth on your mobile device
3. Open the Leitz Style Desk Lamp on your mobile device
4. Connect the Style Desk Lamp to the mains

The Style Desk Lamp will now automatically connect to your mobile device with Bluetooth.

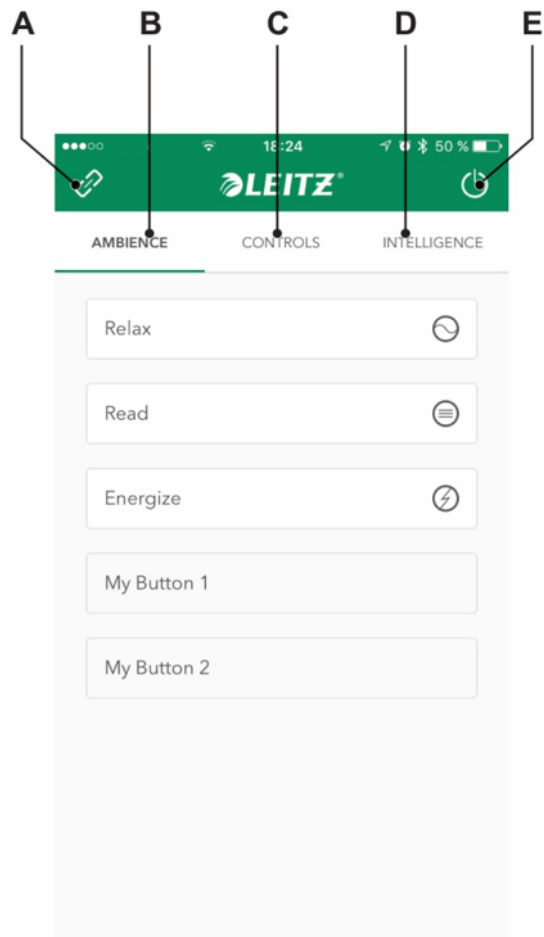
Connect with Bluetooth again

If you want to connect the Style Desk Lamp to your mobile device with Bluetooth again, do the following:

1. Activate Bluetooth on your mobile device
2. Open the Leitz Style Desk Lamp on your mobile device

The Style Desk Lamp will now automatically connect to your mobile device with Bluetooth.

Introduction to the Leitz Style Desk Lamp



Overview main functions

Settings button (A)

With this button you can open the menu Settings. In the menu Settings you have an overview of the custom Ambiences. You also have access to more information about the Leitz Style Desk Lamp and to support.

Ambience (B)

In the menu Ambience, you can select an Ambience. There are three default ambiances. You can also set up and save two custom Ambiences by yourself.

Controls (C)

In the menu Controls you can see the actual Ambience settings. You can also manually adjust these settings.

Intelligence (D)

In the menu Intelligence you can activate Auto-Brightness. The Style Desk Lamp will automatically change the Light intensity. You can also make the lamp turn off automatically when there is no Bluetooth connection.

On/Off button (E)

With the On/Off button you can turn the light on and off.

Activate an Ambience

To activate an Ambience do the following:

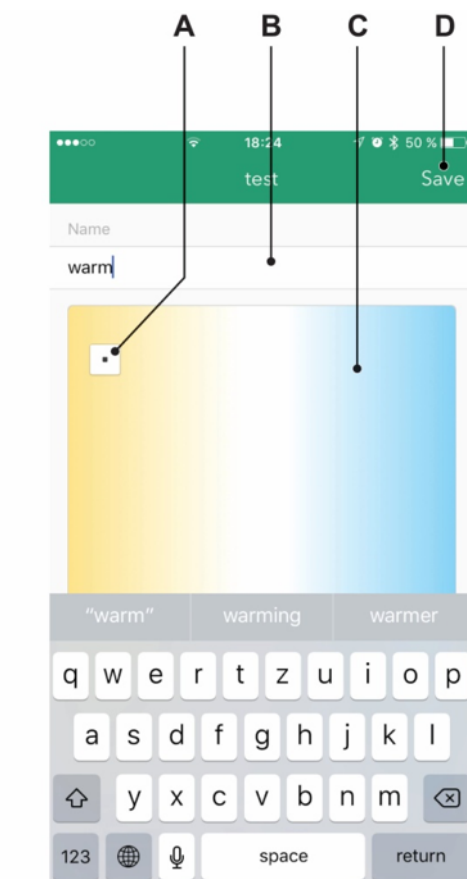
1. Go to the menu Ambience.
2. Tap on one of the Ambiences.

The Lamp will now light according to the chosen Ambience.

Set up a custom Ambience

To set up a custom Ambience do the following:

1. Go to the menu Ambience.
You will see a list of five ambiances.
2. Press and hold one of the two last Ambiences of the list.
The custom Ambience set up screen appears.



The custom Ambience set up screen

3. Tap on the name field (B) to give your custom Ambience a name (the keyboard will automatically appear).
4. Tap somewhere in the Ambience light profile field (C) to change the Ambience to your needs.
The Ambience pointer (A) will be placed on the spot you tapped.
5. Tap on Done (D).

You have now set up a custom Ambience.

Check the current Ambience

You can check the settings of the current Ambience at any time.

To check the current Ambience do the following:

1. Go to the menu Controls.



The menu Controls

You will see the Ambience light profile field (A).

2. See where the cursor (B) is placed. The placement of the cursor indicates the current Ambience.

Note: when the cursor is red, the current Ambience is set automatically.

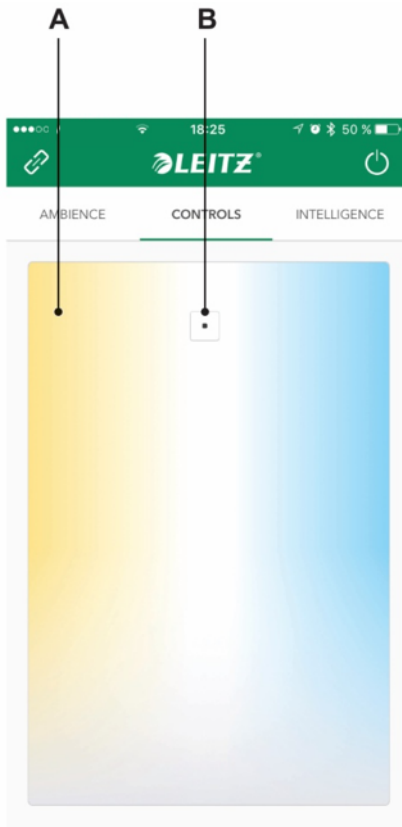
You can adjust the automatically Ambience settings in the menu Intelligence.

Adjust the current Ambience temporarily

Adjusting the current Ambience temporarily means that you adjust the current Ambience, but not save your settings. You can easily adjust the current Ambience at any time.

To adjust the current Ambience do the following:

1. Go to the menu Controls.



The menu Controls

You will see the Ambience light profile field (A).

2. Tap somewhere in the Ambience light profile field to change the Ambience to your needs. The Ambience pointer (B) will be placed on the spot you tapped.

You have now adjusted the current Ambience temporarily.

Note: when you enter the menu controls and the cursor is red, it means the current Ambience is set automatically. In that case you can also adjust the current Ambience temporarily. If you do, the Auto-Brightness function will be deactivated.

You can adjust the automatically Ambience settings in the menu Intelligence.

Set up and activate Auto-Brightness

When Auto-Brightness is activated, the Ambience will change automatically. How the Ambience changes, depends on the settings.

To set-up Auto-Brightness, do the following.

1. Go to the menu Intelligence.
2. Choose an age.
(You have three options: 0-30, 31-49, 50+).
3. Choose your activity.
4. Switch on Auto-Brightness.

You have now set-up and activated Auto-Brightness. The Ambience will change automatically.

Activate Auto-On/Off

With Auto-On/Off you can make the light turn off automatically when there is no Bluetooth connection and automatically turn on when there is a Bluetooth connection.

To activate Auto-On/Off do the following:

1. Go to the menu Intelligence.
2. Switch on Auto-On/Off.

You have now activated Auto-On/Off function. The light will turn off automatically when you move away from the lamp between 10 to 15 meters and turn on when you come back. For this the App needs to run in the background.

Turn Off/On the light

You can turn on or off the light at any time. Simply tap the On/Off button at the right upper side. The lamp stores the last active setting.

Technical and medical background

The lamp technology

The lamp is equipped with modern and therefore particularly bright and energy-efficient LEDs. Half of the LED's have a warm light color, the other half a cool. Through electronic mixing of the two types of LEDs, the light color can be continuously adjusted between warm and cold light. The warm light tone corresponds to the traditional bulbs, which is perceived as pleasant and cozy. The cold light tone is similar to sunlight. This promotes concentration and reduces fatigue. The LEDs can be digitally controlled with the Leitz Style Desk Lamp. The user sets the value he wants on his Smartphone. This value is transmitted to the lamp via the Bluetooth connection. The set values are graphically displayed on the Controls screen. The values can also be adjusted automatically by using automatic brightness control. For this purpose, the lamp has a light sensor in the lighting head, which measures the reflected light of the illuminated surface. The lamp "examines" the same as the eye of the user and can intelligently help him in his task area.

The human eye

The retina in the human eye receives light from the environment through the vitreous humor of the eye and the lens therein. The pupil controls the incidence of light in order to avoid an overload of the retina. The cellular structures involved are subject to aging, which significantly affects the eyesight. Already from childhood the light transmittance of the vitreous and lens and thus the light sensitivity of the eye deteriorate. The second adverse effect is that the ability of the pupil is reduced to open very far. In total, these effects increase the light requirement for a given visual task with age strongly.

The visual task

How sharp you are able to see is closely related to the lighting conditions. To detect very small, closely spaced objects, the eye requires much more light than for capturing large-scale structure. The lamp provides automatic light settings for five typical fields of activity. Of course, the brightness of the background plays a major role. Therefore, the total amount of light is detected by the lamp and as a result of that, the brightness is adjusted automatically.

Required hardware

Smartphone with Apple iOS version 8 or Android system version 4.3 or later.