

ABISKO

How might we come up with a better way of interacting with light in the workplace?

Overview

When

Spring 2016

What

UX & UI
Product
Visual

Where

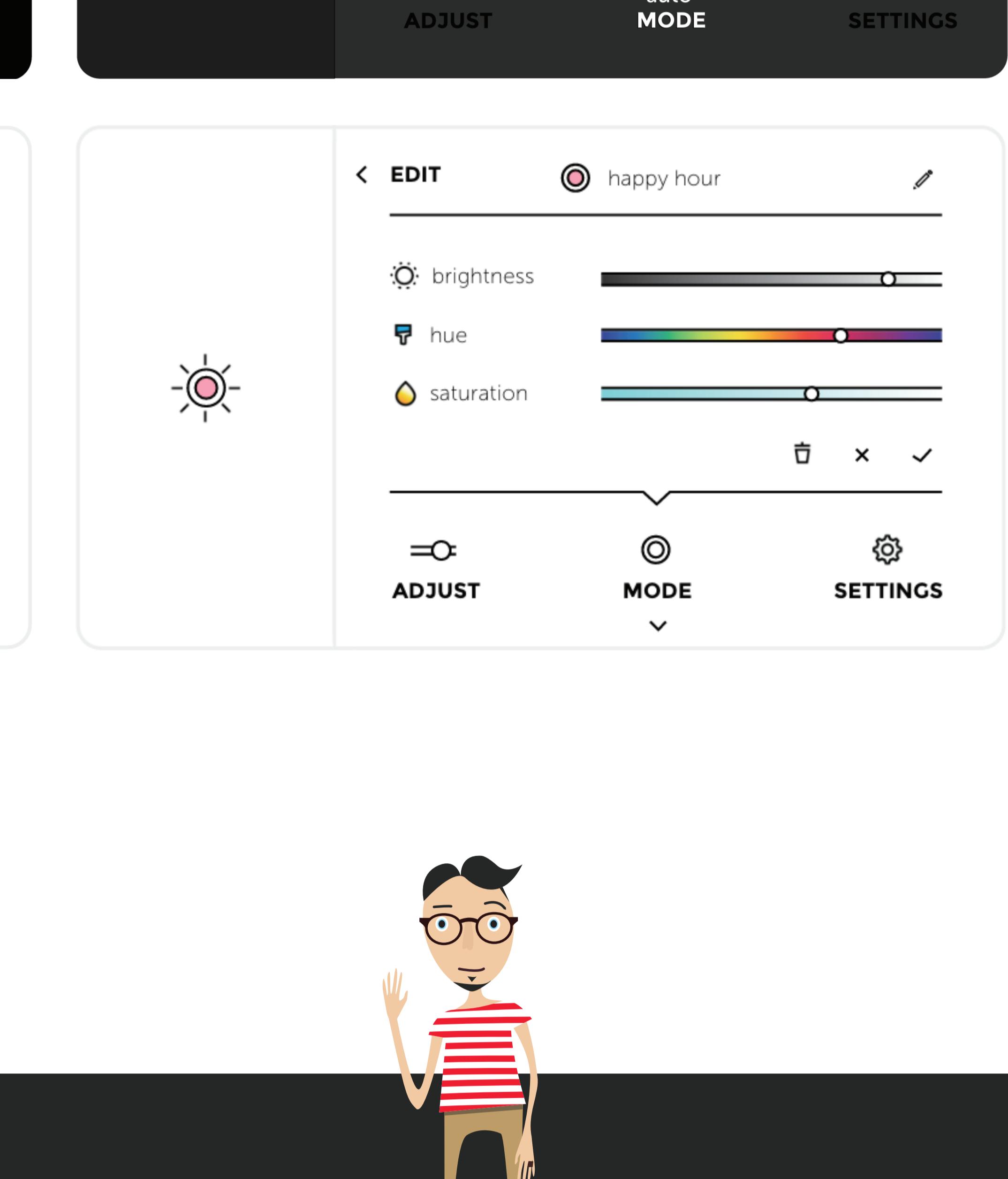
Lund, Sweden

Why

LED light systems are becoming a common solution in corporate spaces. They are a sustainable lighting option, they can be beneficial for health and productivity, and they're...well, cool. LED lighting gives people the ability to change the light to best suit their needs, whether it be for focus or for fun.

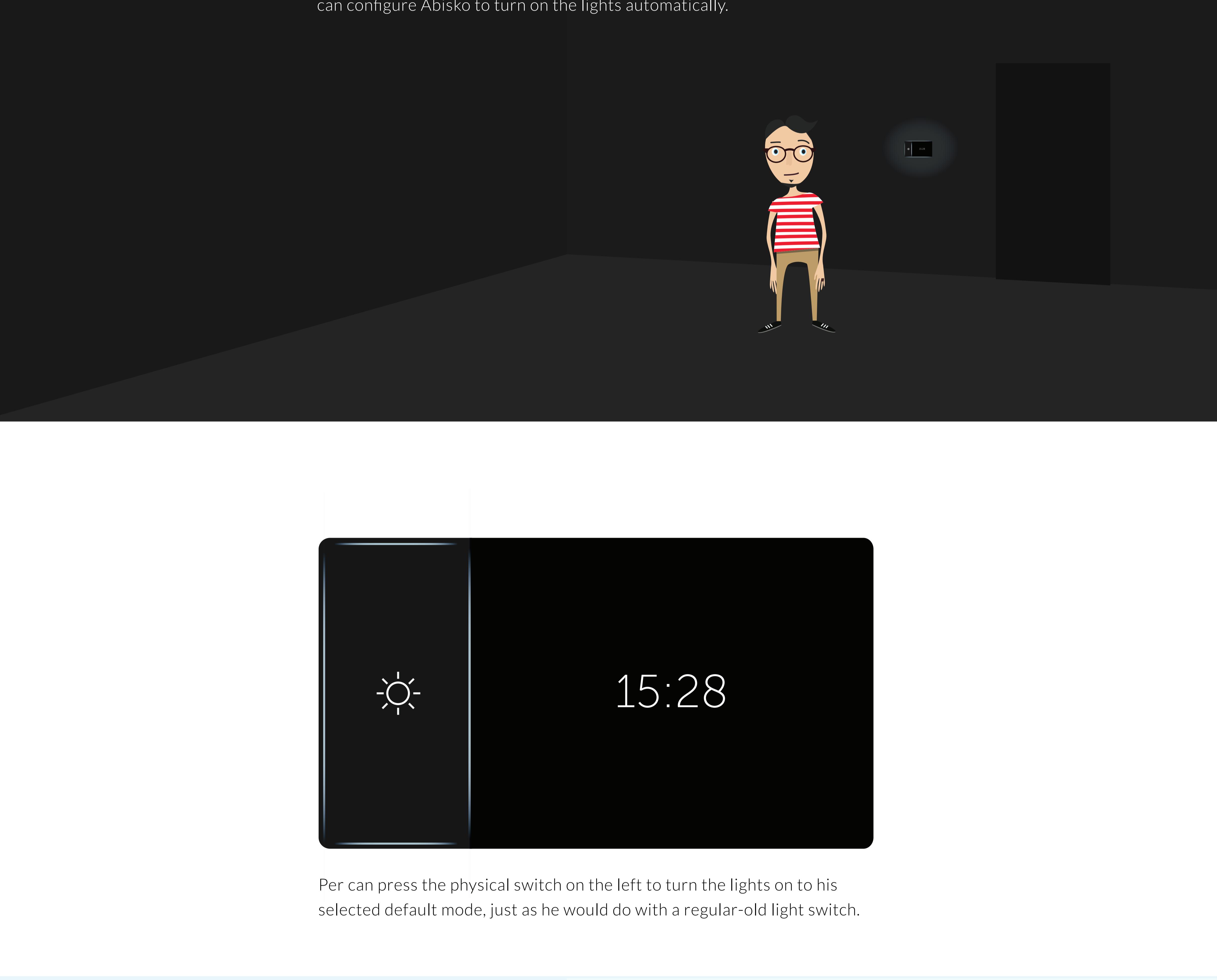
The question is, how might we design a modern light interface that goes beyond on and off? How do we give people the opportunity to change their lighting environment, while maintaining the familiarity and ease of the classic switch?

The Product

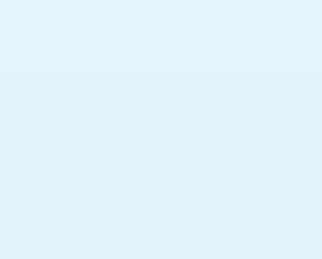


View a demo of the prototype: <https://vimeo.com/167733665>

Abisko is a light interface for the workplace. It aims to combine the familiarity of the classic single-push light switch with the flexibility of a touch interface, so that people can make the most of their space and their workday.



Interaction Story



Meet Per. Per works at an industrial design workspace where designers and students can spend time rendering products on computers, sanding cibatool plastic models, or spending quality creativity time together.

Per's workspace uses an LED lighting system that can be controlled by using the Abisko light interface.

When Per enters his workspace, the lights are off. When Abisko detects motion, the backlight of the switch lights up to guide Per. If he wishes, Per can configure Abisko to turn on the lights automatically.

In this case, Per's default mode is "auto." This is an automated mode that changes dynamically throughout the day to best match the circadian rhythm.

On the right, the touch screen displays information that is relevant to Per. In this case, Per chose to have the interface display the time. The screen also indicates the lighting mode that is currently on. The overlay indicates that when the arrow is swiped downwards, the lighting can be further customized with the menu underneath.

Suppose Per wants to select a mode that makes him feel more energetic. He can swipe the arrow at the top to remove the overlay, or just tap the mode.

The mode selection menu appears. Additionally, the entire interface becomes white in order to facilitate interaction.

Here, Per can tap another preset mode to select it. Abisko changes the lights and the color of the light icon on the physical button to give Per immediate feedback. Each mode is colored to match the color of the light.

When a mode is selected, the pencil in the top right can be used to edit the mode. The plus in the upper right can be used to create a new custom mode.

Per decided to turn on "work mode." Since blue wavelengths are more similar to daylight, blue-tinted white light helps produce more of the hormone cortisol, which keeps Per feeling alert. Now Per is ready to get to work!

