

TCS3410 EVM

Quick Start Guide

Universal ambient light RGB sensor with selective flicker detection

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1 Out of the box



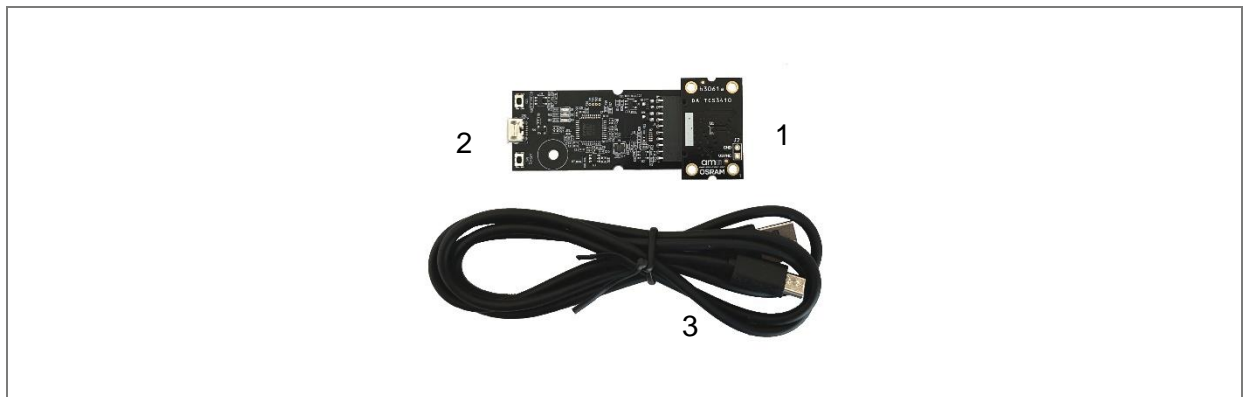
Referring documents:

For a detailed description of the TCS3410 Evaluation Kit, please refer to User Guide:

- UG000504

Each TCS3410 Evaluation Kit comes with the following components:

Figure 1: Evaluation kit contents



No.	Item	Description
1	TCS3410 Daughter Board	PCB with TCS3410 sensor installed
2	EVM Controller Board	Used to communicate USB to I ² C
3	USB Cable (A to Micro-B)	Connects EVM controller to PC

2 Software installation

1. Download the GUI software installer from the ams OSRAM web site.
2. Run the **Setup.exe** file from the downloaded media.

3. The Setup Wizard will open and guide you through the installation of the TCS3410 host software. For most cases, all the default settings are appropriate.
4. The EVM Controller board requires the installation of FTDI CDM drivers. If these drivers are not installed on your machine, this setup will automatically launch the installer for the FTDI drivers.
5. At the end of the installation, click Finish to exit the setup.

3 Hardware connection

1. Plug the TCS3410 Daughterboard into the Controller board, as shown in Figure 1. Always use ESD procedures when handling the EVM.
2. Using the enclosed USB cable, plug the micro-B connector into the EVM module. With the other end of the cable, plug the USB A-connector into a USB port on the computer.

When the USB cable is connected, the green LED should light up, indicating that the USB interface is receiving power and the controller board processor is running. If the green LED does not light up, check the USB cable connections; unplug the USB cable and try again. If the green LED still does not light up, check the PC for USB error messages.

The green light on the EVM module turns off immediately after the GUI program starts to prevent the LED from interfering with other light measurements.

4 Start the application

To start the application, select “ams-OSRAM > TCS3410 EVM” on the All Programs menu. The default installation directory, depending on the device and the operating system you are using is:

- C:\Program Files\ams-OSRAM\TCS3410_EVM (Windows 32-bit operating systems)
- C:\Program Files (x86)\ams-OSRAM\TCS3410_EVM (Windows 64-bit operating systems)

The user can select a different install path during installation. When the application starts, the TCS3410 window will open on the PC and automatically connect to the hardware.

5 Uninstall application

To remove the software from your computer, right-click on “ams-OSRAM > TCS3410 EVM” and select Uninstall or use the Windows Control Panel.

6 Revision information

Definitions

Draft / Preliminary:

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Changes from previous released version to current revision v2-00	Page
Document contents were transferred to ams OSRAM design	
Document contents were rephrased	
Updated figure 1	3

- Page and figure numbers for the previous version may differ from page and figure numbers in the current revision.
- Correction of typographical errors is not explicitly mentioned.

7 Legal information

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