

TCS3530 EVM

Quick Start Guide

True color ambient light sensor with flicker detection

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1 Out of the box



For a detailed description of the TCS3530 EVM Color ALS and Flicker Detection Sensor Module Evaluation Kit, please refer to User Guide:

- UG001030

Each TCS3530 Evaluation Kit comes with the following components:

Figure 1: Evaluation kit contents



No.	Item	Description
1	TCS3530 EVM Daughter Card	PCB with TCS3530 EVM 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
4	Flash Drive	Includes application installer and documents

2 Software installation

1. Plug the ams OSRAM flash drive into an unused USB port.
2. Double-click the Setup.exe file on the flash drive, or click Start > Run and type E:\setup.exe and press Enter. **IMPORTANT:** Use the appropriate drive letter in the above command to install the software. The flash drive will commonly be assigned the next available drive letter, for example C: hard drive, D: CD-ROM, E: flash drive.
3. The Setup Wizard will open and guide you through the installation of the TCS3530 host software (Figure 2 through Figure 8).
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.

Figure 2: Welcome screen

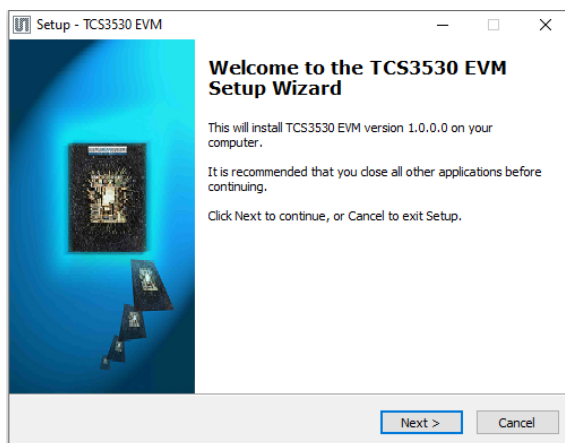


Figure 3: Liability disclaimer

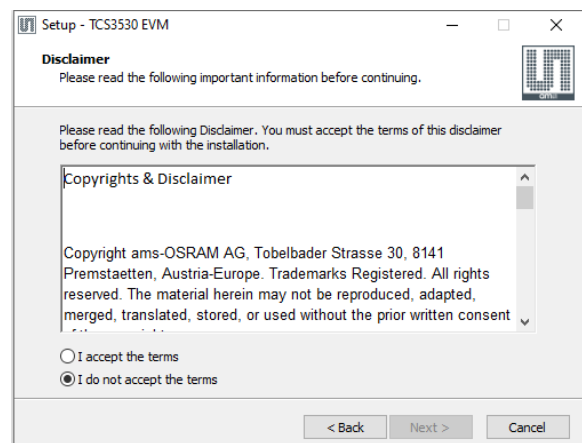


Figure 4: Select installation folder

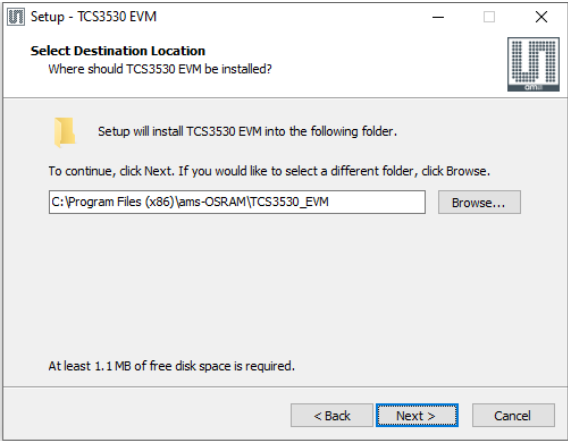


Figure 5: Select start menu folder

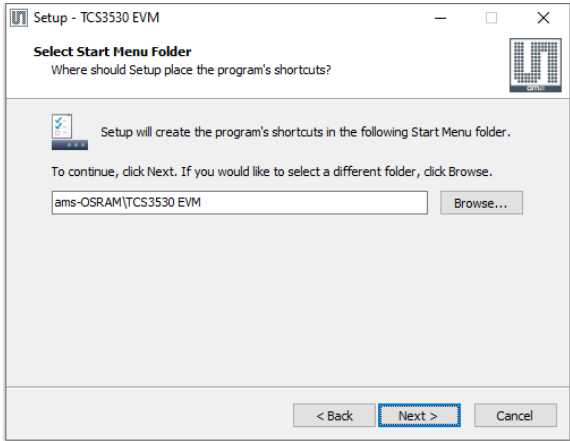


Figure 6: Installation in progress

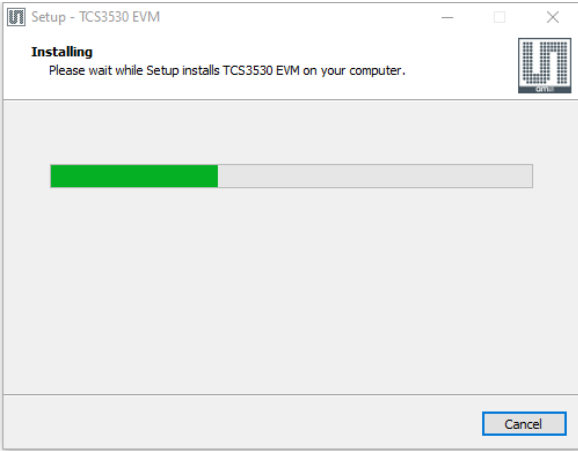


Figure 7: Information screen

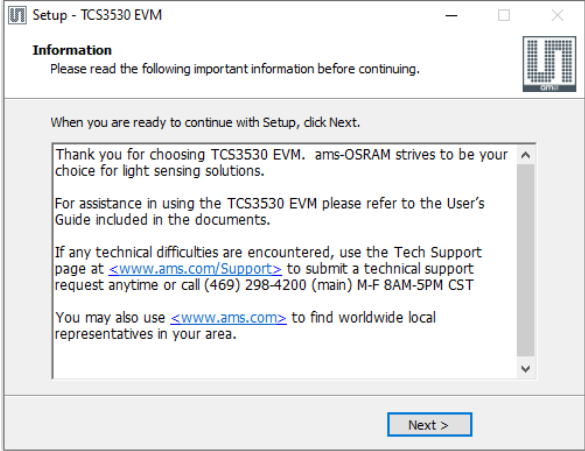
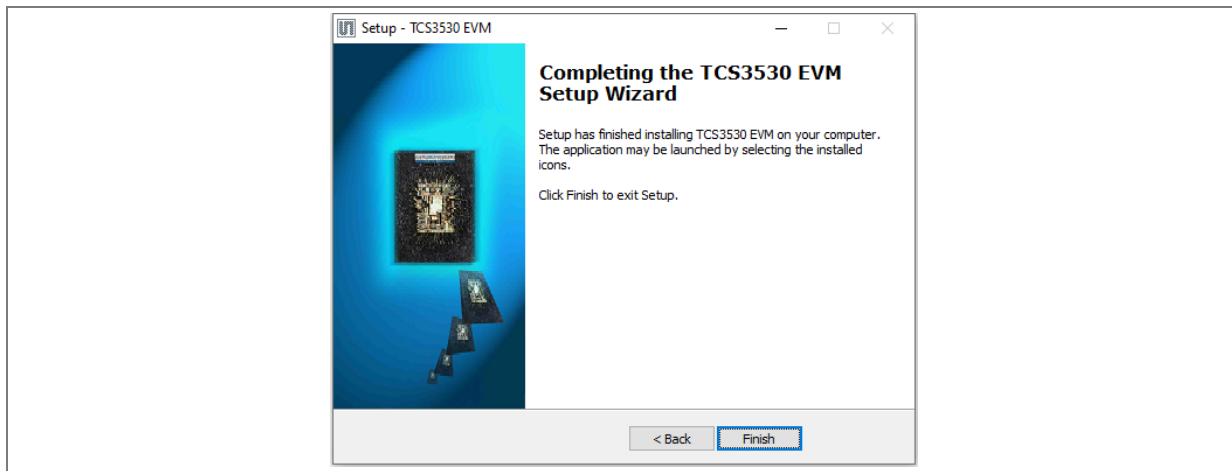


Figure 8: Installation completed successfully



3 Connect hardware

Plug the TCS3530 Daughterboard into the Controller board as in shown in Figure 1. Always use ESD procedures when handling the EVM.

Using the enclosed USB cable, plug the micro-B connector into the EVM module. Using 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 to indicate that power is being received via the USB interface, and the controller board processor is running. If the green LED does not light, check the USB cable connections; unplug the USB cable and try again. If the green LED still does not light, check the PC for USB error messages.

4 Start the application

To start the application select ams-OSRAM > TCS3530 EVM > TCS3530 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\TCS3530_EVM (Windows 32-bit operating systems)

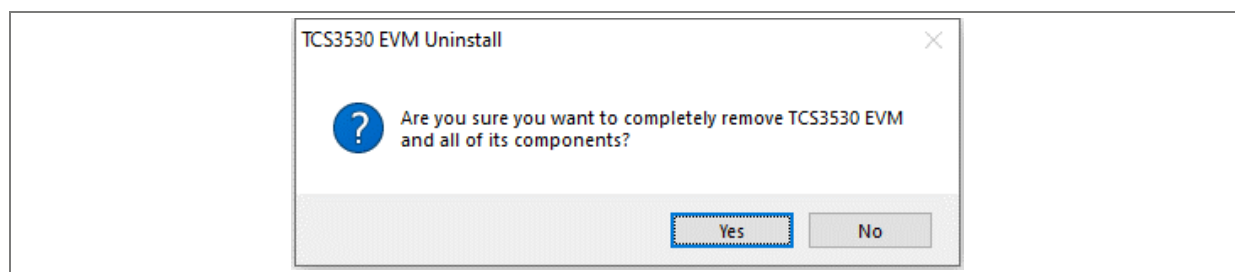
C:\Program Files (x86)\ams-OSRAM\TCS3530_EVM (Windows 64-bit operating systems)

A different install path may be selected by the user during the install (Figure 4). When started, the TCS3530 window will open on the PC and automatically connect to the hardware.

5 Uninstall application

To remove the software from your computer (Figure 9), select ams-OSRAM > TCS3530 EVM > Uninstall TCS3530 EVM or use the Windows Control Panel.

Figure 9: Remove installation



6 Revision information

Definitions

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Changes from previous released version to current revision v3-00	Page
Document contents transferred to latest ams OSRAM template	
Document security class is updated to “PUBLIC” in the footer	

- 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.

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