



## Documentation and other information



[QTR-8A and QTR-8RC Reflectance Sensor Array User's Guide \(Printable PDF\)](#)

User's guide for the QTR-8A reflectance sensor array.



[Pololu QTR Reflectance Sensor Application Note \(Printable PDF\)](#)

Information about using the Pololu QTR-xA and QTR-xRC reflectance sensors, including sample oscilloscope screen captures of sensor outputs.



[Pololu AVR C/C++ Library User's Guide \(Printable PDF\)](#)

Information about installing and using the C/C++ libraries provided for use with Pololu products.



[Pololu AVR Library Command Reference \(Printable PDF\)](#)

A reference to commands provided in the Pololu C/C++ and Arduino libraries for the AVR.



[Arduino Library for the Pololu QTR Reflectance Sensors \(Printable PDF\)](#)

This guide explains how to use the QTRSensors library to read Pololu [QTR sensors](#) with an [Arduino](#) or [A-Star 32U4 controller](#).



[Building Line Following and Line Maze Courses \(Printable PDF\)](#)

Step-by-step instructions for building your own line-following courses.

## File downloads

[Datasheet for Fairchild's QRE1113GR reflective object sensor \(202k pdf\)](#)

This is the sensor that we initially used in the Pololu QTR reflectance sensors, but we have since switched to a similar generic unit that has slightly longer range.

[QTR-8x Reflectance Sensor Array drill guide \(35k dxf\)](#)

This DXF drawing shows the locations of all of the board's holes.

[Dimension diagram of the QTR-8x Reflectance Sensor Array \(198k pdf\)](#)

[3D model of the QTR-8RC Reflectance Sensor Array \(4MB step\)](#)

## Recommended links

[mbed library for QTR sensors](#)

Matthew Phillipps ported our [Arduino Library for the Pololu QTR Reflectance Sensors](#) to the [mbed](#) platform. The Arduino library is designed to work with [Pololu QTR reflectance sensors](#), so the mbed library should too, but [Matthew points out](#) he only tested it with the analog sensors. This library was not written and is not maintained by Pololu.