Lumina – a Bluetooth Low Energy connected lamp

CORRECTION. The space provided for mounting the quartz crystal onto the PCB is not large enough. It will be necessary to either mount the crystal at the underside of the board or use the microcontroller's internal oscillator.

UPDATE. Under Android 7 it is now necessary to grant location permissions before a Bluetooth connection can be established. It was necessary to add two lines to the *AndroidManifest.xml* file and change its version number to *1.0a*. Two lines of code were also added to the *DeviceScanActivity.java* file, to handle this new permission. The complete code can now be recompiled using the latest version of Android-Studio and the app works under Android 7.0. These new files can be downloaded from the project web page: www.elektormagazine.com/130226.