

# **GY-30 Bh1750 Intensity Digital Light Sensor Module**

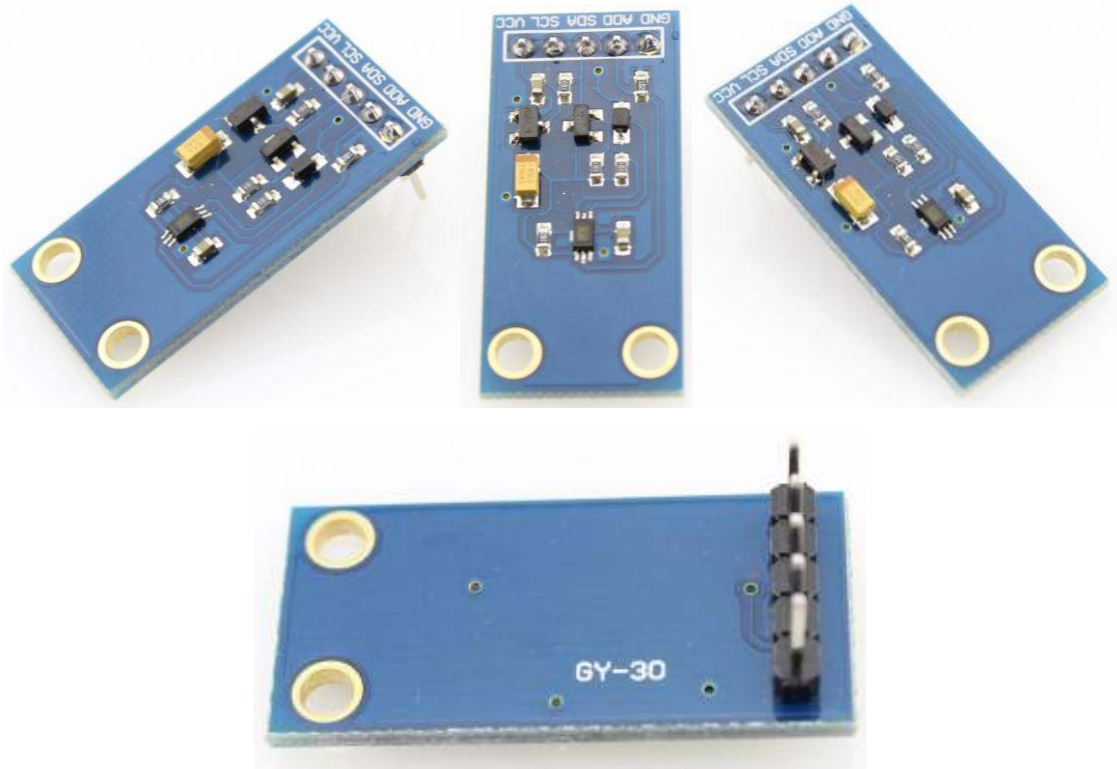


## **Description**

This is a BH1750FVI light intensity sensor module with built-in a 16 bit AD converter generating digital signal. The data from this module is light intensity in lx (lux meter). It communicate with micro-controller board through I2C bus.

## **Features**

- working Voltage: 3.3V~6V
- I2C bus Interface with 2 alternative address (f/s Mode Support)
- Spectral responsibility is approximately human eye response
- Wide range and High resolution (1 ~ 65535 lx)
- Light source dependency is little. (ex. Incandescent Lamp. Fluorescent Lamp. Halogen Lamp. White LED. Sun Light)
- Adjustable measurement result for influence of optical window (It is possible to detect min. 0.11 lx, max. 100000 lx by using this function.) (1 ~ 65535 lx)
- The influence of infrared is very small.
- Small measurement variation (+/- 20%)



**Module Schematic :**

