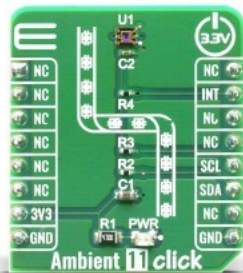


## Ambient 11 Click



PID: MIKROE-3990

**The Ambient 11 Click** is a Click board™ equipped with the [VEML6035](#), a low power, high sensitivity, I2C ambient light sensor from [Vishay Semiconductors](#). Because of the possibilities its features offer, the Ambient 11 Click can be used as an ambient light sensor for mobile devices, industrial lighting operation, and as an optical switch for consumer, computing and industrial devices and displays.

Ambient 11 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
 ISO 14001: 2015 certification of environmental management system.  
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

Type	Optical
Applications	Ambient light sensor for mobile devices, industrial lighting operation, and as an optical switch for consumer, computing and industrial devices and displays
On-board modules	VEML6035, a low power, high sensitivity, I2C ambient light sensor from Vishay Semiconductors
Key Features	Low stand by current consumption: typ. 0.5 $\mu$ A; Integrated modules: ambient light sensor (ALS)
Interface	GPIO,I2C
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[Ambient 11 click example on Libstock](#)

[Ambient 11 click 2D and 3D files](#)

[VEML6035 datasheet](#)

[Ambient 11 click schematic](#)

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
 ISO 14001: 2015 certification of environmental management system.  
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).