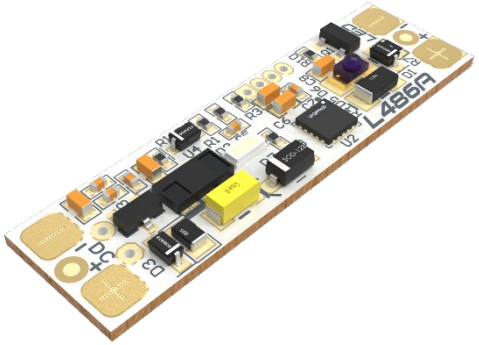
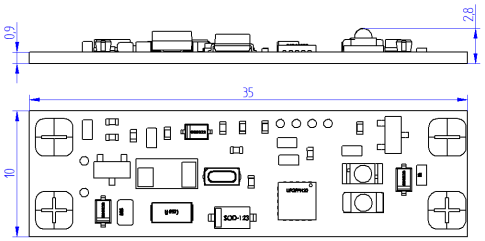
ProxiDimmer Mono is a single-channel controller equipped with a proximity sensor, adapted to work with constant voltage LED light sources. This controller allows you to turn on/off, change the intensity without touching the controller or lamp.



- Touchless control
- May be installed in a profile
- Automatic calibration of the sensor
- Working with opal cover
- Long range of detection
- Automatic saving of parameters before switching off
- Easy to use

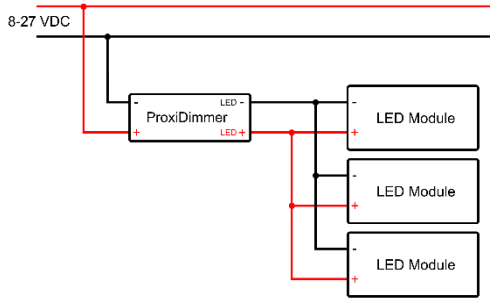
Description	ProxiDimmer L486
Article number	LWPXDL486-1X3A-WWDG-PL
Size LxWxH	35x10x3 mm
Maximum output current	3 A
Maximum output power	81 W
Power consumption	< 0,4 W
Power supply type	Constant Voltage (CV)
Power supply voltage	8-27 V DC
Detection range	~50 mm
Calibration method	Automatic
Connection type	Solder pads
Ambient temperature	0-40°C



Connection

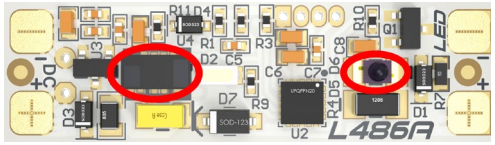
Before connecting the controller with LED light sources make sure that the power supply has the appropriate parameters to supply all connected devices. When connecting the controller to the LED light source and the power supply, remember to connect the devices in accordance with their polarity. Improper connection can damage or destroy connected devices.

Connection with constant voltage LED light sources



Above connection is an example and may be different from the actual. Wires between the power supply, controller and LED modules should be as short as possible. Connecting more than one controller to the same power supply is not recommended, it may cause interference, visible on LED light sources. Controllers adapted to such work are available on special request.

Mounting information



Components marked by red circuit are responsible for detecting objects, do not cover them with a material that doesn't pass infrared. ProxiDimmer sensor is working even with opal cover and automatically calibrating to it.

Operating manual

1) Connect the controller to a one-channel constant-voltage LED light source and to the appropriate power supply (see: "Connection"), and then turn on the power supply.
2) Wait one second before usage, the controller will perform automatic calibration.
3) Controller operating:
   - Switching on / off – quick hand movement over the sensor. When the light is off, holding the hand over the sensor will cause the LEDs to light up to the desired or maximum level.
   - Change the light intensity – holding the hand over the controller will change the intensity of light until the chosen or minimum/maximum brightness level is reached. Blinking of the signaling diode, when changing the brightness, informs about reaching the maximum level of light brightness. Each subsequent hold of the hand over the sensor reverses the direction of the brightness change.

After switching off and on again, the controller will remember the brightness setting of the light before switching off.

Cooling

The controller generates heat according to the load, therefore it is necessary to provide cooling if the temperature exceeds 70°C. The temperature should be measured in the center of the plate. Improper use of the controller may lead to damage or overheat.
We are not responsible for any loss, or damage resulting from improper use of drives. Guarantee become void in such cases.

Safety rules

Controllers can change the intensity of the generated light, but even a dimmed LED light source can emit light that can adversely affect the retina when looking directly at the LED.
Switching the LED light source on and off quickly can cause discomfort, disturbances of perception and epilepsy attacks in people with epilepsy.
It is forbidden to touch the device under operation. Damaged or incorrectly operating drivers must be immediately disconnected from the power supply.
You must not use drivers damaged or operating incorrectly, such devices should be immediately disconnected from the power supply.

Protection measures against damage

Controllers are prone to damage, so even minor interference can result in the destruction of these devices. Drivers should be used in accordance with their intended use.
One of the most serious threats are electrostatic discharge and short circuiting of electrical circuits. In order to avoid damaging the controller, do not touch its electronic components without using a suitable protection against antistatic discharge.
The controllers are not equipped with overvoltage and short-circuit protection.
Connections as well as all luminaire elements must meet all current and important national standards.
Do not use electronic devices that work improperly, in which case you must turn off the power of the devices immediately. Damaged devices can cause electric shock or short circuit.
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