LED2WORK
IO-Link LED Light

LED2WORK IO-Link LED Light Instructions

Contents

LED2WORK IO-Link LED Light

WHAT IS IO-LINK?
10-Link is a globally uniform, bidirectional communication standard understood by all 1O-Link-capable devices. Translation into the language of the higher-level control only occurs in the centrally installed IO-Link Master. Many newer control systems already have IO-Link integrated. Automation is simple and cost-effective to implement with 1O-Link.

WHAT CAN LED2WORK IO-LINK LIGHTS DO (better)?
At first glance, an LED light controlled via IO-Link behaves like any other RGB-W LED light from LEDWORK used for ILLUMINATION and SIGNALING. White light for illumination and a signaling function with blinking, flashing, and changing to colored light makes the lamp a widely visible signal transmitter.

HOWEVER, THE LED LIGHT WITH 1O-LINK DOES SOME THINGS BETTER!
When integrated into an IO-Link installation, the behavior of the IO-Link-capable LED light can be easily monitored via software. No additional PLC programming is required. Handling is more flexible, the parameter settings are more varied and clearer. The diagnostic data can be used for long-term planning, statistics and certifications.

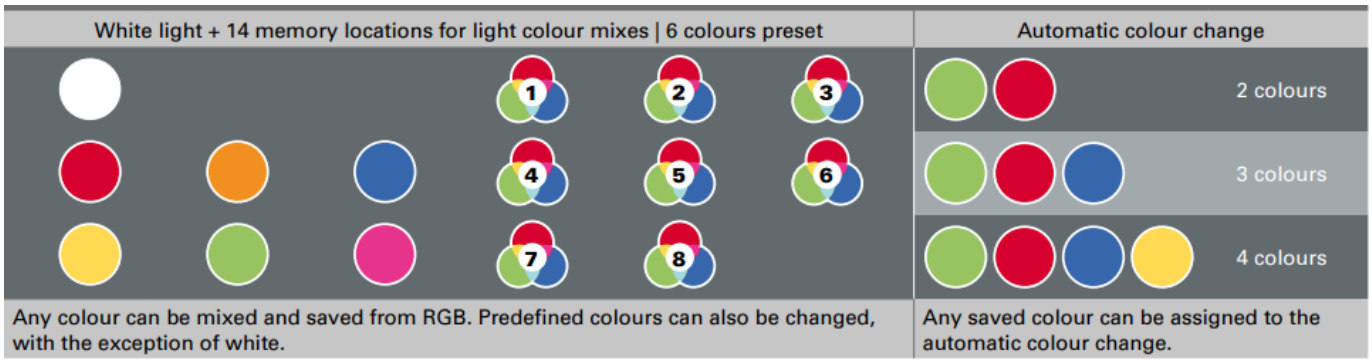
LED2WORK LED-LIGHTS WITH IO-LINK HAVE THESE FEATURES

White light thanks to dedicated LED chips. Any colour can be mixed with additional RGB LED chips.

- In addition to white light, 14 memory locations are available for self-defined colored light.
- An automatic color change between 2 and 4 colours can be set.
- The light can be dimmed between 100% and 0% intensity.
- In addition to continuous light, blinking, flashing, and glowing are possible. The duration of the effect is adjustable. The power of the light can be adjusted as required.
- If the operating temperature is too high, the luminaire automatically reduces the power. An additional connection PIN can provide the lamp with extra power.
- The diagnostic data ranges from the operating hours counter to the temperature and power display.

FEATURES OF AN LED2WORK LED-LIGHT WITH IO-LINK AT A GLANCE

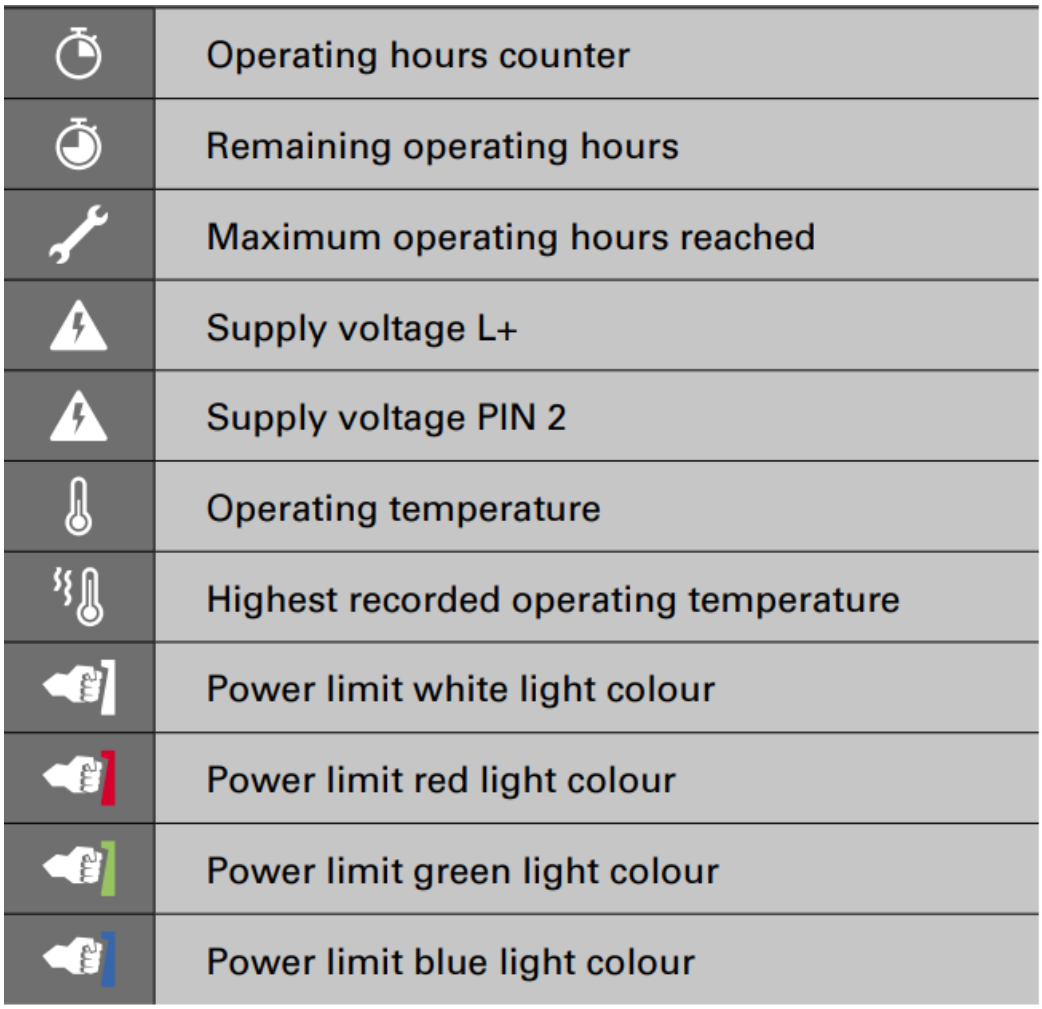
Colour Colonian



Dimming

Operating Modes

Diagnostic Data



The duration of periods can be adjusted for blinking, flashing, breathing, and color changing.

Dynamics
The minimum brightness of the effect can be set for breathing/glowing

Special Functions

Power Reduction
The maximum power of the light source can be limited so that less powerful 10-Link masters can also be used.

Power supply to PIN 2
For a stronger luminaire on a less powerful 10-Link Master, an additional power supply to the light source can be switched on PIN 2.

Overtemperature reduction
If a temperature of more than 800C is reached within the luminaire at a higher ambient temperature, the power automatically reduces in steps until the temperature remains consistently below 800C.

Specifications

- **Color Selection**: White light + 14 memory locations for light color mixes | 6 colors preset
- **Automatic colour change**: 2, 3, 4 colours
- **Dimming**: 100% – 0%
- **Operating Modes**: static, blinking, flashing, breathing/glowing

- **Diagnostic Data**: Operating hours counter, Remaining operating hours, Maximum operating hours reached, Supply voltage L+, Supply voltage PIN 2, Operating temperature, Highest recorded operating temperature, Power limit white light colour, Power limit red light colour, Power limit green light color, Power limit blue light color
- **Dynamics**: The duration of periods can be adjusted for blinking, flashing, breathing, and color-changing
- **Special Functions**: Power Reduction, Power supply to PIN 2, Overtemperature reduction

FAQ

Q: Can I mix my own colors with the RGB feature?
A: Yes, any color can be mixed and saved from RGB. Predefined colors can also be modified except for white.

Q: Is additional PLC programming required for using the IO-Link LED lights?
A: No, the behavior of the LED lights can be easily monitored via software without the need for additional PLC programming.

Q: How can I adjust the brightness levels for breathing/glowing mode?
A: The minimum brightness of the effect can be set for breathing/glowing to suit your preference.

Documents / Resources

	LED2WORK IO-Link LED Light [pdf] Instructions IO-Link LED Light, IO-Link, LED Light, Light

References

- User Manual