LIGHT CONTROL VIA IO-Link

WHAT IS IO-LINK?

IO-Link is a globally uniform, bidirectional communication standard understood by all IO-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 IO-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 LED2WORK used for **ILLUMINATION and SIGNALING.**

White light for illumination and a signaling function with blinking, flashing, and changing to colored light make the lamp a widely visible signal transmitter.

HOWEVER, THE LED LIGHT WITH IO-LINK DOES SOME THINGS BETTER!

When integrated into an IO-Link installation, the behaviour of the IO-Link-capable LED light can be easily and 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 coloured light.
- An automatic colour 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, 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 liminaire 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.

OVERVIEW

LED2WORK

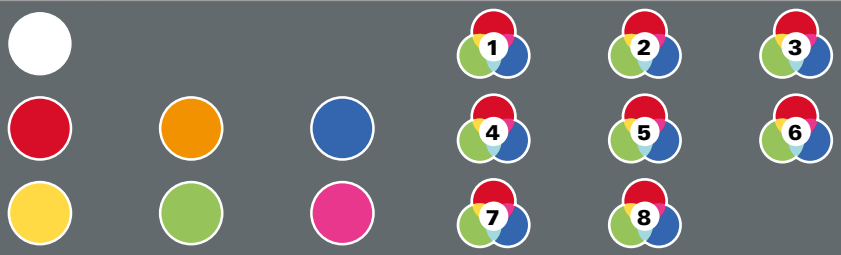
INTELLIGENCE IN LIGHT

LIGHT CONTROL VIA IO-Link

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

Colour Selection

White light + 14 memory locations for light colour mixes | 6 colours preset



Any colour can be mixed and saved from RGB. Predefined colours can also be changed, with the exception of white.

Automatic colour change

Any saved colour can be assigned to the automatic colour change.

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 colour
	Power limit blue light colour

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 IO-Link masters can also be used.

Power supply to PIN 2

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

Overtemperature reduction

If a temperature of more than 80°C is reached within the luminaire at a higher ambient temperature, the power automatically reduces in steps until the temperature remains consistently below 80°C.

SYNOPSIS

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