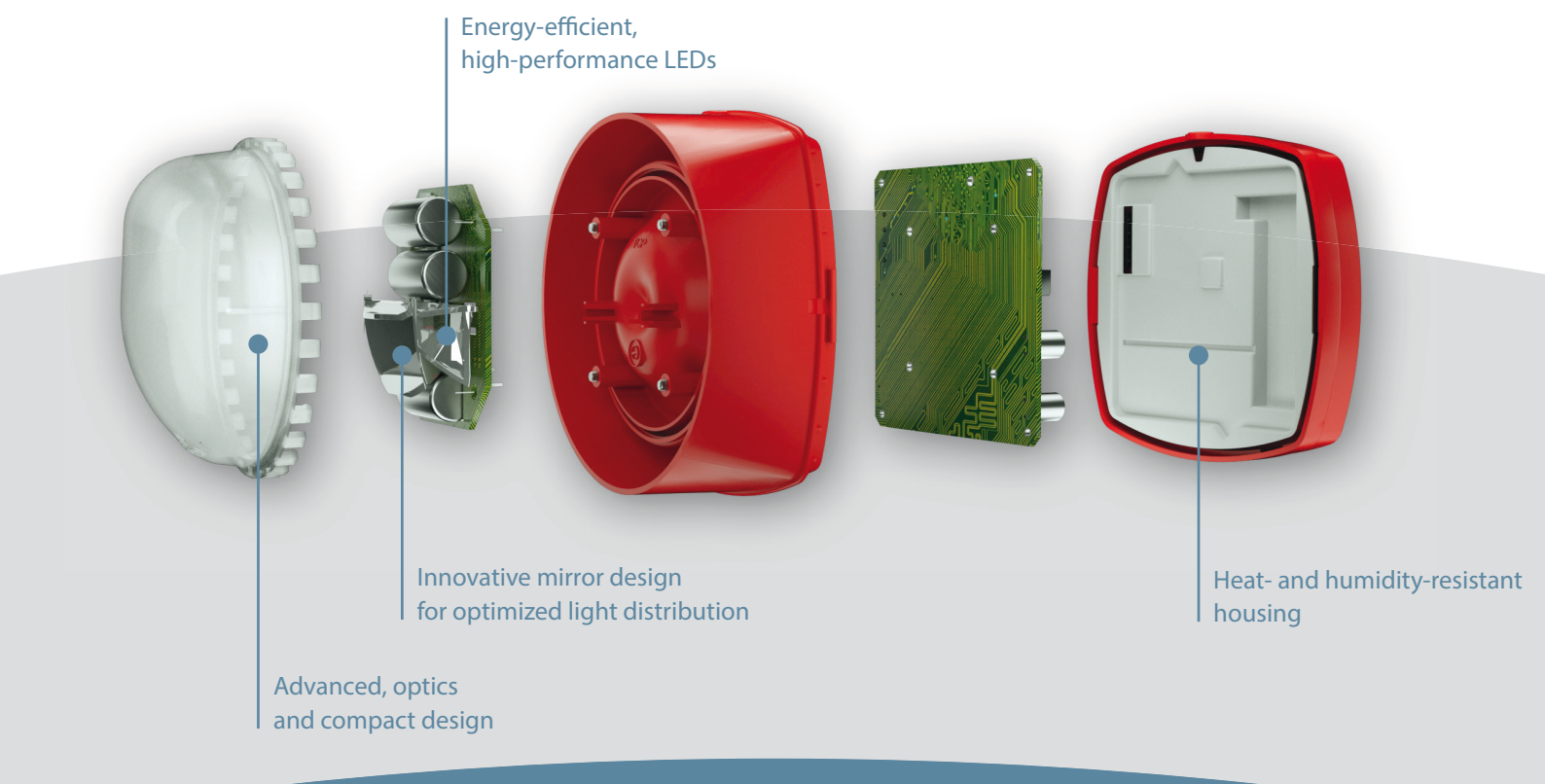
What do you get with the most advanced optical alarm system?

A highly advanced optical alarm system ensures effective alarming in noisy environments or for the hearing-impaired – like the IQ8Alarm by ESSER. It complies with all the requirements of the EN 54-23 standard, and is 100% loop powered. This means countless advantages for you: reduced costs, easy system integration and, of course, enhanced safety. The following infographic shows you why the IQ8Alarm should be part of your fire alarm system.

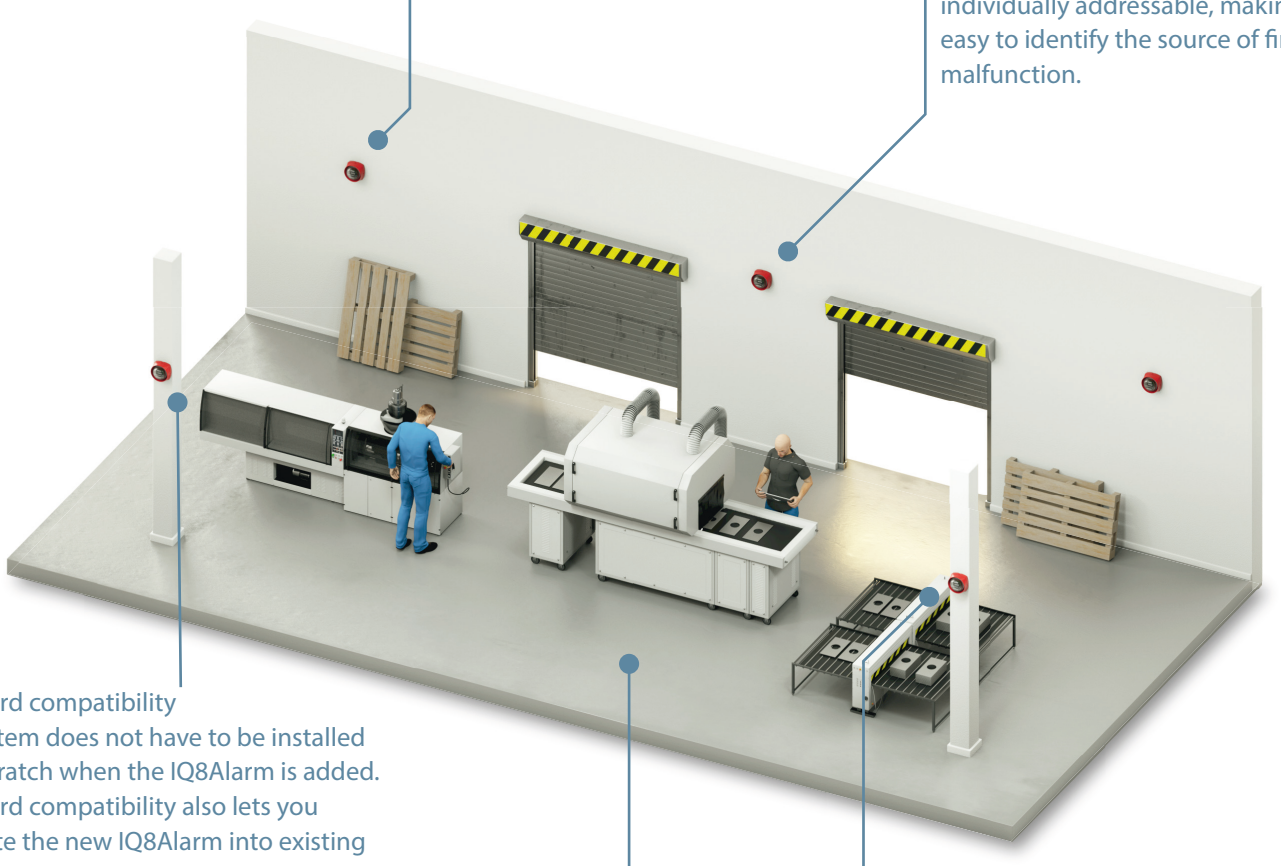
IQ8Alarm in Detail



Fully loop powered by the esserbus

The IQ8Alarm optical alarm device is only one component of your fire alarm system. Which makes it all the more important that it be fully integratable into existing systems and flexible enough to support additional devices. A fire alarm system based on the esserbus facilitates planning for any future safety requirements for a fire alarm system.

Using the IQ8Alarm



Up to 32 devices
Up to 32 alarm devices may be connected to an esserbus, reducing your installation and maintenance costs.

Individually addressable
Each alarm device in the system is individually addressable, making it easy to identify the source of fire or malfunction.

Backward compatibility
The system does not have to be installed from scratch when the IQ8Alarm is added. Backward compatibility also lets you integrate the new IQ8Alarm into existing systems.

Synchronized control
The esserbus (powered loop) allows synchronized control and thus also synchronized flashing in cases of alarm, reducing the risk of epileptic seizures.

Easy to install
Power supply via the esserbus and easy system integration allow faster and simpler setup of a fire alarm system with the IQ8Alarm.

Does the IQ8Alarm comply with the requirements of the EN 54 – 23 standard?

Starting January 1st, 2014, signaling devices complying with the DIN EN 54-23 standard must be installed in fire alarm systems featuring the optical alarming required by the building code.

- Signaling range: W-2.4-5.0 / square-shaped room / wall-mounted ✓
- Signal light color: white or red ✓
- Flashing frequency: between 0.5 Hz and 2 Hz ✓
- Light intensity: min. 0.4 lux (lm/m²) ✓

Operating voltage:	14 VDC to 42 VDC
Quiescent current @19 VDC:	appr. 55 µA
Load factor:	3
Flashing frequency:	appr. 0.5 Hz
Ambient temperature:	-25°C to +70°C
Protection type:	IP 41
Material:	PC
Rel. humidity:	<95% non-condensing
Color:	red or white
Weight:	appr. 275 g with socket
Specification:	Category W, EN 54-23 optical signaling device
Dimensions:	Ø: 112 mm, H: 78 mm

You enjoy these advantages:

1

Simple system integration
- via esserbus connectivity
- energy-efficient design and
- easy wall-mounting

2

Enhanced safety in case of fire
- in noisy environments
- for the hearing-impaired and
- via compliance with the EN 54-23 standard.

3

Reduced
- purchasing,
- installation,
- maintenance, and service costs

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