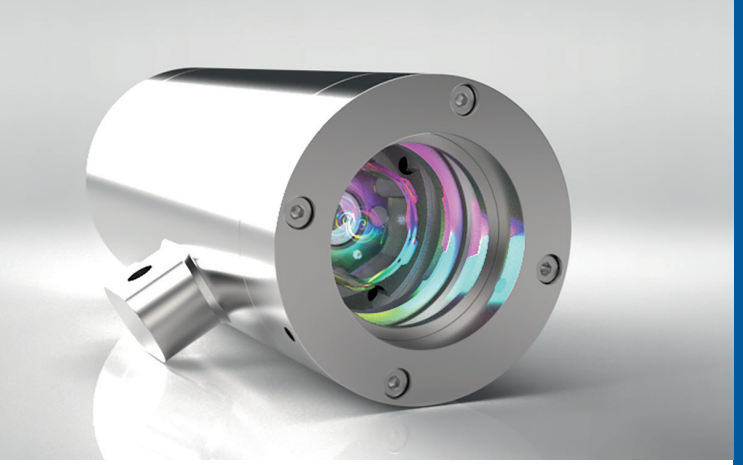
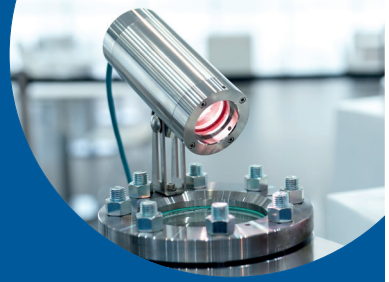


Lumistar Luminaire ESL 55RGBw at a glance:

- Colour model: RGB + white
- Stepless colour selection
- Optimum visibility in all processes
- Versatility and flexibility
- Energy-efficient and durable
- Simple operation
- Customisation for every requirement
- Safety benefits thanks to precise lighting
- Easy replacement and maintenance
- Protection class: IP65 in accordance with EN 60529/DIN VDE 0470 Part 1
- Voltage type: PoE/alternative 24 V AC/DC

Today and in the future ...



From the incandescent bulb to the LED

Our Lumiglas luminaires are internationally recognized under the name 'Lumistar' and, after halogen lamps, rely on the latest LED technology. From the analogue to the digital sector, we have continuously aligned ourselves with the latest technological standards in all product categories and further developed. One example of this is the in-house production of circuit boards for our products, such as the Lumistar Luminaire ESL 55RGBw.

System supplier for process monitoring and visual control systems

Use the Lumiglas components for optimum illumination of vessels, tanks, agitators, pipework and other typically enclosed and other typically closed containers in potentially hazardous areas and other industrial applications.

What Friedrich Horst Papenmeier started in the 1960s has developed into a globally successful company. The history of Papenmeier is characterized by visionary thinking, entrepreneurial courage and an unconditional will to succeed.

technologically leading - humanly close

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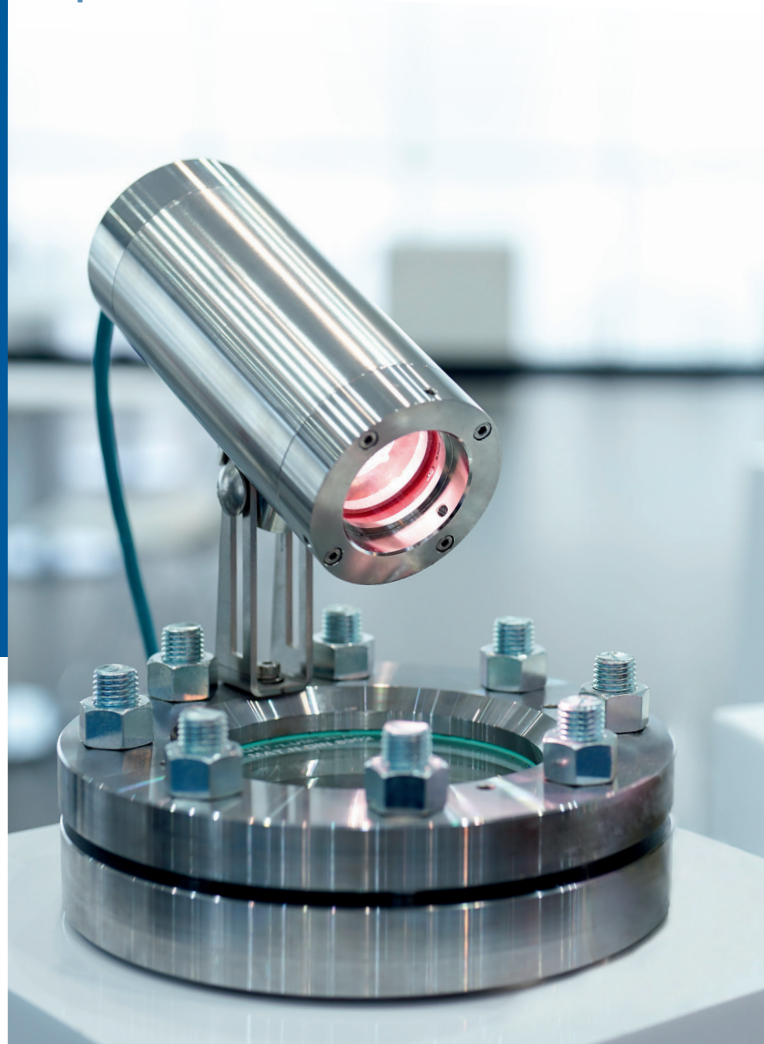
Lumiglas

Lumistar Luminaire ESL 55RGBw

Flexibly adapted to your processes



Colour preselection infinitely adjustable



Thanks to the adjustable colour selection, the **Lumistar Luminaire ESL 55RGBw** offers flexible light adjustment, with which processes in the container can be observed particularly well – ideal for sensitive proccesses in the chemical, pharmaceutical or food industries.

Targeted use of light helps to visualise the full potential of the product – whether for process control or for impressive presentation.

An illustrative example is the use in whisky distilleries: Depending on the colour of the light, different properties of the whisky come to the fore – such as colour, clarity or the visibility of suspended particles. The can allow conclusions to be drawn about the quality, age or degree of maturity – and even gives experts an indication of flavour nuances.

Intelligent lighting technology - RGBw

RGBw means red (R), green (G), blue (B) and white (w). These four colours form the basis from which all other colours can be created by additive colour mixing.

An example: If the red and green LEDs light up at the same time, yellow light is produced. With these three basic colours, all colours – including white – can be combined and displayed.

„Why is an additional LED needed for white light? Surely white can also be produced with simple RGB LEDs?“

This is basically true, but fine-tuning for a pure, clean white is very time-consuming. Although RGB LEDs can theoretically produce white light, this always has a slight colour mix as the LEDs cannot be controlled with absolute precision. The result is a white that is never completely neutral, but always appears somewhat undefined.

Variants

• **Power over Ethernet**
The PoE standard enables the electrical power supply of network-compatible Lumistar luminaires via the Ethernet cable. This eliminates the need for separate cabling for the power supply.

The Lumistar Luminaire ESL 55RGBw PoE is equipped with user-friendly software for infinitely variable adjustment of the colour spectrum.

Max. Power consumption: 7 watts on the controlled device
Voltage: PoE

• **DIP switch**
Lumistar Luminaire ESL 55RGBw Dip offers simple and reliable adjustment of the light colour without a network connection. The RGB values can be set in the range from 0 to 255 using the dip switches. Example:
· red: 255, 0, 0
· green: 0, 255, 0
· blue: 0, 0, 255
· white: 255, 255, 255
Max. Power consumption: 7 watts on the controlled device
Voltage: 24 V

