

**PRODUCT:**

Thanks to the adjustable colour selection, the Lumistar RGBw luminaire offers flexible light customisation that allows processes in the container to be observed particularly well - ideal for sensitive applications 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 impressive presentation.

**INTELLIGENT LIGHTING TECHNOLOGY:**

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

**INSERT:**

Universal sight glass light made of stainless steel. Particularly suitable for illuminating flow sight glasses, pipework, laboratory mixers, bioreactors and the inside of boilers, tanks, agitators and other generally closed containers.

Suitable for round sight glass fittings to DIN 28120/DIN 28121 or similar as well as for screw-type sight glass fittings similar to DIN 11851

The Lumistar ESL 55RGBw luminaire fits from the following nominal widths:

- a) Round sight glass fittings to DIN 28120 or DIN 28121 or similar: DN40
- b) Screw-in sight glass fittings similar to DIN 11851:
  - From DN 50, fastening is via a separate flare
  - From DN 80, fastening is via a hinged bracket

**SPECIAL ADVANTAGES:**

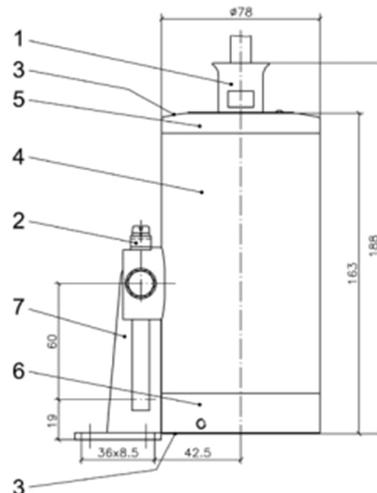
- Vibration resistant
- Long service life and operational reliability
- Ideal for fittings that are difficult to access

- No heat radiation in the light emission (cold light)
- No additional unwanted heat during chemical and/or biological processes
- Easy electrical connection thanks to integrated connection cable or cable gland
- is ideally suited for both the combination of sight and light glass (1-flange version) and for their separate arrangement (2-flange version).

**TECHNICAL DATA:**

Energy supply	electric	
	Voltage type	PoE / alternatively AC/DC
	Mains voltage	For AC/DC 24 V
Operating mode	Continuous operation	
Power consumption		Max. 7 W
Mass	Weight without packaging	3.3 kg
	Weight with packaging	3.8 kg
Ambient temperature		-20°C to +50°C
IP code		IP65 / IP67 according to EN 60529

**DIMENSIONS AND MATERIALS:**

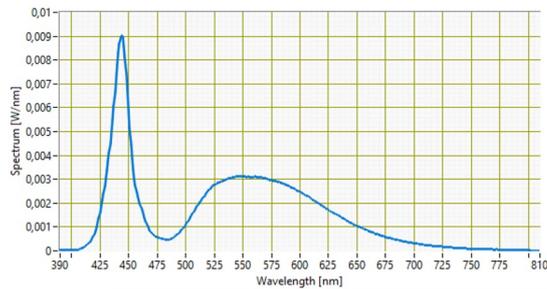


1. Cable gland M20x1.5
2. External protective conductor terminal
3. Screw plugs M4 A2-70
4. Luminaire housing
5. Connection cover
6. Luminaire sight glass
7. Luminaire mounting (hinged bracket)

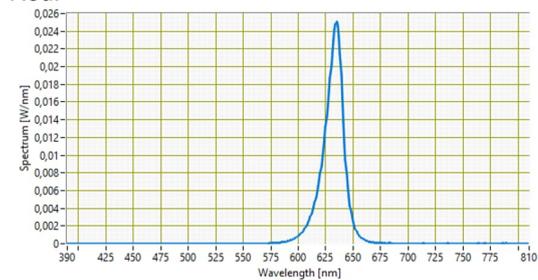
- Luminaire housing (4) and connection cover (5): 1.4404
- Luminaire sight glass (6): Unit made of ring flange (1.4404) and borosilicate glass
- Luminaire hinge bracket (7): Stainless steel 1.4301
- Cable gland (1) M20x1.5: nickel-plated brass

**SHAFT LENGTH:**

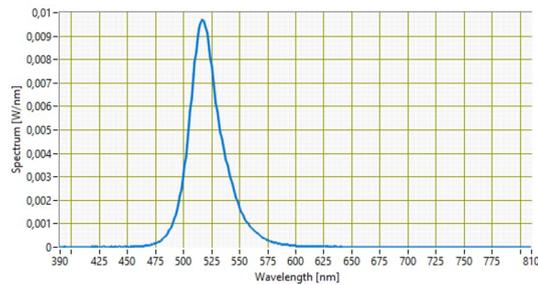
White:



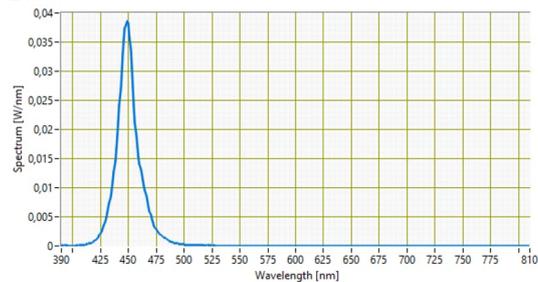
Red:



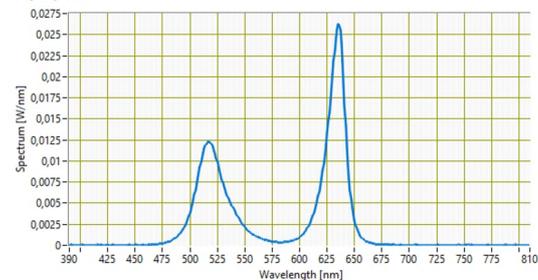
Green:



Blue:



Yellow:



**OVERVIEW OF VARIANTS:**

ESL 55RGBw Variant	Part number	Connection	Beam angle
(PoE) 7 W	LS#3542.051.00	Network cable Cat7	29°
(24V) 7 W	LS#3542.052.00	Connection cable 3 x 1.5mm <sup>2</sup>	29°

**ADDITIONAL EQUIPMENT:**

Object	Part number
Luminaire mounting hinged bracket	LS#0354.025.00
Luminaire mounting flange adapter	on request
Connection cable 24V variant	Z3457.530.00
Connection cable PoE variant	L#3461.002.00
Ethernet connector RJ45	L#7320.002.00

**ORDER SPECIFICATIONS:**

e.g. Lumistar luminaire ESL 55RGBw (24 V) 7 W, part. no. LS#3542.052.00

Would you like additional information about our versatile Ex and non-Ex lights, our sight glass fittings to DIN 28120 / 28121 or similar to DIN 11851, flow-through sight glasses, hinged sight glasses with or without lighting, rectangular or longitudinal sight glasses, windscreen wipers for centric or lateral installation, spraying devices, Ex and non-Ex camera systems?

If so, our sales team will be happy to help you.