MADE IN GERMANY

RESISTANT



No chance for harmful gases

Extremely protected with RESISTANT luminaires

Extremely robust, powerful and durable

SCHUCH

RESISTANT LUMINAIRES

SO THAT HARMFUL GASES DON'T STAND A CHANCE

Since the company's beginnings in 1895, we have been developing and producing luminaires for application in difficult environments. In addition to explosion-proof light fittings, the first gas-tight pendant light fitting was developed as early as 1934. With this extremely long experience and high level of competence, we have also tackled the harmful gas problem with LED and worked intensively on the development of a perfect solution.

The result: The RESISTANT luminaire series.

It bundles all luminaires across all product series with the special extra resistance to harmful gases and corrosive atmospheres. Extremely robust, powerful and long-lasting luminaires that are specially designed for these extreme areas of application.

Depending on the level of resilience, the program is divided into 3 areas:

- **ER luminaires = luminaires with increased protection against harmful gases**
- **HR luminaires = luminaires with high protection against harmful gases**
- **XR luminaires = extremely gas-tight luminaires**

We offer RESISTANT luminaires in ER and HR versions in almost all product areas. The PRIMO XR is the first extremely gas-tight LED luminaire. We work continuously with our customers to expand this special program.





HARMFUL GASES - THE INVISIBLE DANGER FOR LED LIGHT FITTINGS

High quality LED light fittings are characterised by their high luminous output and long service life. This can help to reduce the energy consumption and maintenance requirements of a lighting installation. A long service life can also help to reduce the need to replace luminaires and the associated use of materials.

However, LEDs are sensitive to so-called harmful gases. Careful testing and expert advice are therefore essential, especially if they are to be used in critical areas. The list of typical harmful gases is long, although in addition to the LEDs, the resistance of all other components of the luminaire must be borne in mind.



PRIMO XR - XTREME RESISTANCE

Environments exposed to harmful gases place high demands
The use of LED luminaires in industry is largely standard today. But LED light fittings cannot simply be used everywhere without hesitation. Gases and vapours that can damage the LED occur in many industrial areas, for example in paper mills, galvanising plants and waste incineration plants. Even in animal husbandry, especially ammonia in stables stresses the LED. Depending on the concentration, ambient temperature and exposure time of the harmful gas, significant decreases in luminous flux, significantly shortened lifetimes and damage or even total failure can result.

PRIMO XR - the perfect solution
In order to protect the sensitive LED in the best possible way, it is essential to reliably prevent gases and vapors from entering the luminaire. This is where the PRIMO XR comes into play. No potting, no gluing - the PRIMO XR is welded! The PMMA tube and end caps are inseparably connected and the integrated „FastConnect" plug connector is perfectly sealed. This means that the PRIMO XR is permanently hermetically sealed. In addition, the luminaire impresses with its high luminous output of up to 155 lm/W and a service life of more than 100,000 h*.

* This information refers to the standard version, L70 at maximum ambient temperature.

UNBEATABLE ADVANTAGES



Extremely protected
- gas-tight
- ammonia-resistant LW version
- water pressure-tight (IP68, 3 m/30 min)
- IPX9K tested (high-pressure or steam cleaning)

Highly comfortable
- pleasant light perception due to frosted tube
- excellent glare limitation
- fast mains connection thanks to integrated FastConnect plug connection
- simple and flexible installation thanks to sliding mounting clips

Universally applicable
- areas exposed to harmful gases
- work areas with hose and pressurised water
- rooms with increased fire risk
- unprotected outdoor areas

More info:

RESISTANT luminaires

TWO VERSIONS - ONE CONCEPT

Whether XR or XR LW, all PRIMO variants are of high quality and permanently hermetically sealed.

PRIMO XR: For all those who prioritise cost-effectiveness
Is in the foreground. The luminaire is characterised by in particular
are characterised by their high luminous output and long service life.

5 YEARS GUARANTEE

PRIMO XR LW: Particularly suitable for intensive livestock farming
and for anyone who prefers a low-cost alternative.







IP68 IPX9K

Type	Connected Load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	T_{max} [°C]	Substitute for*
PRIMO XR	10 - 42	1,300 - 6,270	130 - 155	+ 40	1 x 18 W - 2 x 58 W
PRIMO XR LW	28 - 43	3,660 - 5,700	130 - 133	+ 35	1 x 58 W - 2 x 58 W

Also available as DIMD versions with dimming function via DALI interface.
Rounded values, technical developments reserved
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.
[1] DLG stands for German Agricultural Society

More info:

Technical details

Video PRIMO XR

UNIQUE LIGHT SENSOR FOR AGRICULTURE

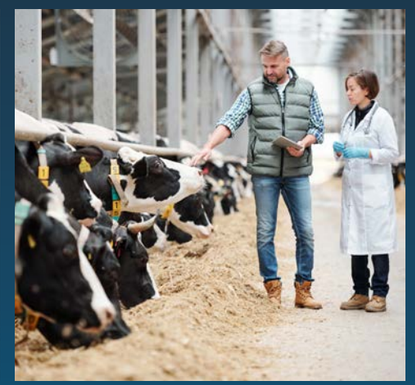
Specially developed for use in environments contaminated with harmful gases, our new LL XR DS4 light sensor is ideal for ammonia-contaminated stables in agriculture, animal husbandry, fattening and rearing farms etc., rooms with a high dust load and increased fire risk, such as barns, straw and feed storage facilities. Robustly constructed and gas-tight encapsulated, it offers outstanding resistance and reliability in these demanding areas.



LL XR DS4







SCHUCH – A STRONG BRAND!

130 years of experience and expertise • High **innovative strength** • Unique, **unmistakable branded products** • Consistently high **product quality** • Made in **Germany** • Long-term reliable **spare parts supply** • Consistency and **reliability**

MADE IN GERMANY

Follow us:

... with passion for excellent lighting!

SCHUCH

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