

PRIMO XR Gas-tight LED-Tube Light Fitting Series 107...

Application:

Areas which are subject to harmful gas loads, which may damage the LEDs or even cause their total failure. E. g. ammonia and sulfur compounds in companies in the chemical industry, papermaking or tire production and storage etc.

Areas where the luminaires are exposed to jet and pressurised water, high humidity, moisture and dust, for infrequent or occasional operation (inspection lighting) and in the automotive industry.

For use in agriculture and animal husbandry with high ammonia concentration, see version 107... XR LW.

Design:

Tube: Acrylic glass (PMMA), modified for higher impact resistance, frosted for glare limitation, with welded end and connection caps.

Reflector: : Aluminum, with LED Module and ECG.

Connection: 3-pole (DIMD 5-pole) quick connector (FastConnect). End cap with integrated plug, socket included in scope of delivery.

Mounting: Variable mounting distance by means of stainless steel pipe clamps (included in scope of delivery). For direct ceiling and wall mounting.

Note:

The housing materials used for the PRIMO XR show good chemical resistance against a variety of chemicals. See also paragraph "Plastics in SCHUCH luminaires" in the "Technical supplement".

Technical data Version 107... XR:

LED: Linear modules 4,000K, CRI > 80, lifetime $L_{90} > 50.000h$ at 25°C ambient temperature, lifetime $L_{80} > 70.000h$ at max. ambient temperature

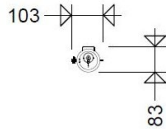
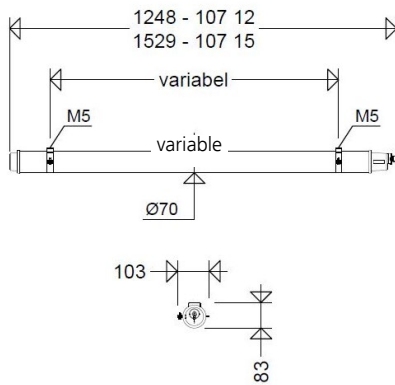
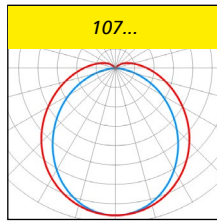
ECG: 220-240V, 50/60Hz, overload and short-circuit protection

Ambient temperature: -20°C up to +40°C

Options:

- 6.500K
- dimmable via „Corridor Mode“ (DIMC), frequent daily switching e.g. via motion detectors, especially at low temperatures (cold stores etc.)
- for low ambient temperatures
- for higher ambient temperatures up to +50°C

- for connection to central power supply unit (ZB) or emergency mains respectively
- with green LED for lighting potato stores
- with built-in through wiring DV 3x1,5mm² bzw. DIMD 5x1,5mm² (see Note)



For vertical installation, please note:

Plug part must face downwards. Through wiring not possible. For Cable looping please use accessory 107 SVDA 3 or 107 SVDA-5 for DIMD.

Product highlights:

- **extremely tight against harmful gases**, hermetically sealed thanks to welding of pipe and end caps as well as a perfectly sealed quick connector. Safe protection of LED and ECG against damage and total failure due to exposure to gas
- dust- and pressure water tight, (IP68, 3m/ 30 min).
- IPX9K-tested (high pressure / steam jet cleaning)
- can also be used in unprotected outdoor areas
- suitable for rooms with increased fire risk ∇
- impact-resistant PMMA tube with **high mechanical strength**
- **homogeneous illumination by using a frosted tube**, no particular light points visible, comfortable perception of light, brilliant glare limitation
- fast connection thanks to **integrated FastConnect quick connector**
- **fast mounting with variable mounting distances** by means of movable stainless steel pipe clamps



Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Substitute for *	Weight [kg] without packing material
107... XR (Xtreme Resistance) <div> <div>LED</div> <div>IP68</div> <div>IPX9K</div> <div></div> <div></div> <div></div> <div></div> </div>						
10702 0003	107 12L22 XR	15	2.260	151	1 x 36W	2,2
10702 0004	107 15L34 XR	24	3.710	155	1 x 58W	2,6
10702 0005	107 12L42 XR	29	4.370	151	2 x 36W	2,2
10702 0006	107 15L60 XR	42	6.270	149	2 x 58W	2,6
10702 0023	107 12L22 XR DIMD	15	2.260	151	1 x 36W	2,2
10702 0024	107 15L34 XR DIMD	24	3.710	155	1 x 58W	2,6
10702 0025	107 12L42 XR DIMD	29	4.370	151	2 x 36W	2,2
10702 0026	107 15L60 XR DIMD	42	6.270	149	2 x 58W	2,6

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

DIMD versions are compatible with LIMAS Line light management system.



Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Substitute for *	Weight [kg] without packing material
-------------	------	-----------------------	--------------------	--------------------------	------------------	--------------------------------------

107... XR LW



for use in stables contaminated with ammonia and in agricultural premises

Application:

Stables in agriculture, animal husbandry, fattening and rearing companies etc., rooms with high dust pollution and increased fire risk, e.g. barns, straw and feed stores

etc., areas where the light fittings are exposed to jet and pressurized water, e.g. cleaning with steam jets.

Technical data Version 107... XR LW:

LED: Linear modules 4,000K, CRI > 80, L₈₀ > 50,000h at max. ambient temperature

ECG: 220-240V, 50/60Hz, overload and short-circuit protection

Ambient temperature: -20°C up to +35°C

Additional advantages:

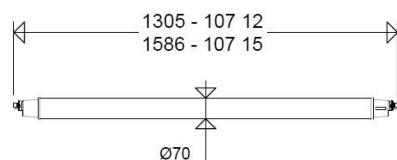
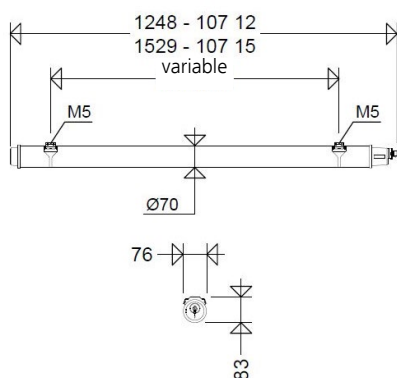
- permanently ammonia-resistant
- flicker-free light for stress avoidance and promotion of animal welfare
- low-glare light through satined tube
- DLG (German Agricultural Society) exam



10703 0014	107 15L34 XR LW	28	3.660	131	1 x 58W	2,6
10703 0015	107 12L42 XR LW	30	3.900	130	2 x 36W	2,2
10703 0016	107 15L60 XR LW	43	5.700	133	2 x 58W	2,6
10703 0024	107 15L34 XR LW DIMD	28	3.660	131	1 x 58W	2,6
10703 0025	107 12L42 XR LW DIMD	30	3.900	130	2 x 36W	2,2
10703 0026	107 15L60 XR LW DIMD	43	5.700	133	2 x 58W	2,6

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

DIMD versions are compatible with LIMAS Line light management system.



Through wiring

The light fittings (PRIMO XR and PRIMO LW) are available with through wiring installed at the factory only. The dimensions of the light fitting change due to the quick plug connection integrated into the connection cap on both sides (see dimension drawing). For the last luminaire in the light band, the socket part on the luminaire must be covered with a locking piece (see accessories / spare parts).

Accessories / Spare Parts

Article no.	Type	
Cable entries		
90278 9005	107 SVDA-3	plug-in connection double connection to looping in/out 3-pole grey
90278 9006	107 SVDA-5	plug-in connection double connection to looping in/out, 5-pole grey for DIM
Locking pieces for luminaires with through-wiring		
90278 9007	107 VS-3	3-pole locking piece grey
90278 9008	107 VS-5	5-pole locking piece grey
Accessories		
90272 9003	107 RO V4A P	stainless steel pipe clamp - 1.457 Mounting set (1 pair)