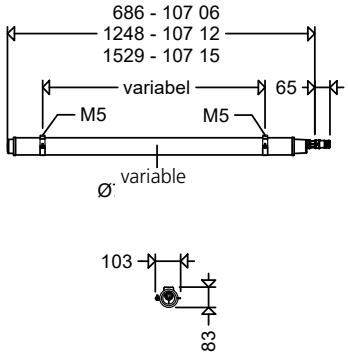


PRIMO XR
Gas-tight LED-Tube Light Fitting
Series 107...

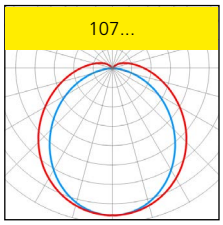
Application:
Areas which are subject to harmful gas loads, which may damage the LEDs or even cause their total failure, e. g. ammonia and sulfur compounds in companies in the chemical industry, papermaking or tire production and storage, in chlorinated environments such as swimming pools and indoor pools, 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 connection plug (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".



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.



Technical data Version 107... XR:
LED: Linear modules 4,000 K, CRI > 80, service life L_{90} > 50,000 h and L_{80} > 100,000 h at max. ambient temperature
ECG: 220-240 V, 50/60 Hz, overload and short-circuit protection
Ambient temperature: -20 °C up to +40 °C

Options:
– 2,200 K, 2,700 K, 3,000 K, 5,000 K, 6.500 K; light colours (**822, 827, 830, 850, 865**)
– 1,800 K; light colour (**518**), amber for insect-conscious lighting in outdoor areas etc.
– high colour rendering index Ra > 90
– coloured LEDs, for signal applications
– green LEDs, for lighting potato stores
– through-wiring (**DV**), 3 x 1.5 mm² or 5 x 1.5 mm² for DIMD types
– for higher ambient temperatures (**H50**)
– for wide temperature ranges (**T40 H50**)
– protection class II (**SKII**)
– for connection to a central power supply system (**ZB**)

Options Luminous flux adjustment / Lighting control / Lighting management:
– Corridor Mode (**DIMC**)

Product highlights:
- impact-resistant PMMA tube **with high mechanical strength**
- **extremely tight against harmful gases**, hermetically sealed thanks to welding of pipe and end caps as well as a perfectly sealed quick connector.
- dust- and pressure water tight, (IP68, 3 m/ 30 min).
- IPX9K-tested (high pressure / steam jet cleaning)
- can also be used in unprotected outdoor areas
- **homogeneous illumination by using a frosted tube,** comfortable perception of light, brilliant glare limitation
- fast connection thanks to **integrated FastConnect quick connection plug**
- **fast mounting with variable mounting distances** by means of movable stainless steel pipe clamps



107... XR (Xtreme Resistance)

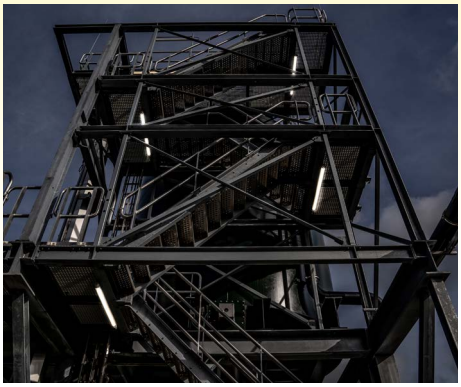
Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Tmax. [°C]	Substitute for *	Weight [kg] without packing material
							IP68 IPX9K
10702 0001	**107 06L12 XR**	10	1.300	130	40	1 x 18W	1,3
10702 0002	**107 06L20 XR**	16	2.190	137	40	2 x 18W	1,3
10702 0003	**107 12L22 XR**	15	2.260	151	40	1 x 36W	2,2
10702 0005	**107 12L42 XR**	29	4.370	151	40	2 x 36W	2,2
10702 0004	**107 15L34 XR**	24	3.710	155	40	1 x 58W	2,6
10702 0006	**107 15L60 XR**	42	6.270	149	40	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.

! 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	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Substitute for *	Weight [kg] without packing material

107... XR DIMD (Xtreme Resistance)

IP68 IPX9K

10702 0021	**107 06L12 XR DIMD**	10	1.300	130	1 x 18W	1,3
10702 0022	**107 06L20 XR DIMD**	16	2.190	137	2 x 18W	1,3
10702 0023	**107 12L22 XR DIMD**	15	2.260	151	1 x 36W	2,2
10702 0025	**107 12L42 XR DIMD**	29	4.370	151	2 x 36W	2,2
10702 0024	**107 15L34 XR DIMD**	24	3.710	155	1 x 58W	2,6
10702 0026	**107 15L60 XR DIMD**	42	6.270	149	2 x 58W	2,6

107... XR LW

IP68 IPX9K

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 4,000 K, CRI > 80, L_{80} > 100,000 h at 25 °C ambient temperature, L_{70} > 100,000 h at max. ambient temperature

ECG: 220-240 V, 50/60 Hz, 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

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

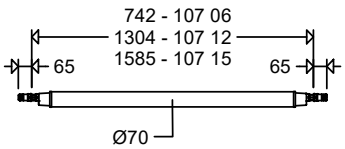
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

DIMD versions are compatible with LIMAS Line light management system.

Gas-tight encapsulated light sensor

Specially developed for use in environments contaminated with harmful gases, our new XR DS light sensor is ideal for animal houses contaminated with ammonia. Robustly constructed and gas-tight encapsulated, it offers outstanding durability and reliability in these demanding areas.

See catalog chapter Light Management Systems/LIMAS Line.



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)