

**NEW**

## Explosion-Protected Sheet Steel LED Light Fitting Zones 2, 22 Series nD191... LED



### Application:

Areas with explosive atmospheres of Zones 2, 22, preferably in paint shops, paint-spray lines and spray booths.

### Design:

**Housing:** Sheet steel, powder coated in white (RAL 9016).

**Glass cover:** Impact resistant safety glass frosted, frameless/hinged.

**Central locking system:** Operated by a 5mm allen key, inner hinges on the opposite side.

### Connection terminals:

Standard: L1 + N + PE, up to 2,5mm<sup>2</sup> (up to 6,0mm<sup>2</sup> on request)

**Cable entries:** 3 entries M25 x 1,5 (2 glands, 1 of them with plug and 1 screw plug) LOOP-IN/OUT possible, for some versions temperature resistant cable is required

**Standard:** Facing downwards or forwards

**Mounting:** Brackets incl. (standard) or separate frame for recessed installation.

### Technical Data:

**LED:** Line-modules 5,000K; R<sub>a</sub>>80, life expectancy L<sub>70B10</sub> > 50,000 hours (at max. ambient temperature)

**ECG:** 230V AC/DC, overvoltage, overload, short circuit, excess temperature protection

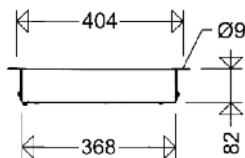
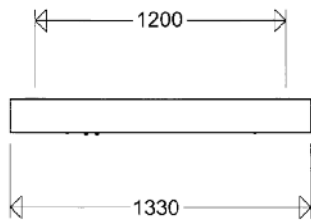
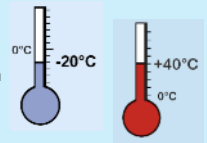
**Ambient temperature:** -20°C up to +40°C

### optional:

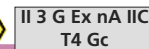
**Interface:** DALI

### Schuch Quality - your advantage

- sturdy design of high chemical resistance for application in rough industrial conditions
  - solid central locking system with high grade aluminium hinges
- easy to install and maintain
  - Original SCHUCH central locking system with hinged safety glass pane for easy replacement of the components
- wide range of application and flexibility at most different environmental conditions
  - for ceiling mount or recessed mount in suspended ceilings
  - separate frame for recessed installation can be installed at a later stage (modular concept). Thus, a high flexibility of application combined with an economic storing is guaranteed.
  - looping system on one side of the housing; bilateral through wiring system (on request)
- up to **51% energy saving** in comparison to an illumination with 58W conventional ballast
- additional energy saving in dimmed operation depending on dimming adjustment
- continuously dimmable (version DIMD), ideal for daylight controlled areas
- uniform illumination due to frosted safety glass pane, comfortable light perception, excellent glare limitation
- high colour rendering R<sub>a</sub> > 80, according to the work place guidelines suitable for nearly all branches
- low maintenance and downtime costs due to long maintenance intervals
- specially suitable for rough industrial application
  - robust, smooth sheet steel housing with all latches inside the housing
  - permanent safe closing due to frameless safety glass pane with internal central locking system



### nD191/12 L110 LED



Ignition protection: nA

Marking:

II 3 G Ex nA IIC T4 Gb (Zone 2)

II 3 D Ex tc IIIC T80°C Dc (Zone 22)

Rated voltage: 220-240V AC, 50-60Hz.

Permissible ambient temperature:

-20°C bis +40°C.

Type	Article no.	Luminous flux W	Power/ consumption lm	Luminous efficacy lm/W	Substitute for	Ambient temp. max. °C	Weight ca. kg
nD191/12 L110			12.000		250HME/3 x 58/T8		

### Accessories

Type	Article no.	
<b>Spare glass, frosted</b>		
182 36-1 F	18090 9023	for 191/12...
<b>Cable entries/cable glands</b>		
2537 G	90117 9006	ex-proof gland of size M25 x 1,5 with nut
2539 G	90119 9001	ex-proof gland of size M25 x 1,5 with nut and plug
2538 G	90118 9006	ex-proof plug of size M25 x 1,5 with nut
<b>Mounting accessories</b>		
4 angle brackets for direct ceiling mounting are part of the delivery of the light fittings.		

### Notes:

**Limitations for LED-light fittings:** See chapter „Use of LED lighting in corrosive atmospheres“ in the Technical Appendix.

All technical data is relevant at the time of print. Actual technical data can be found in the internet under [www.schuch.de](http://www.schuch.de).