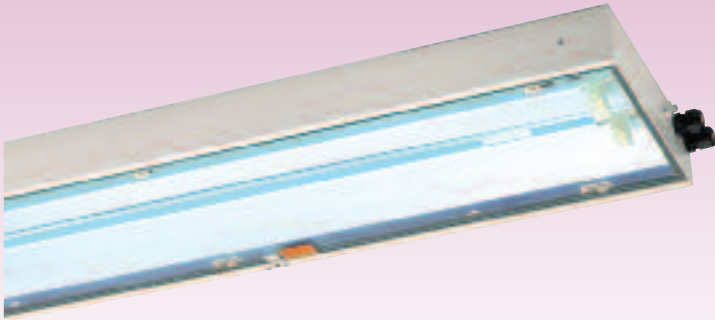


# Explosion-Protected Sheet Steel Light Fitting Zones 2, 22 Series nD191/192...



## Applications:

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), stainless steel upon request.

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

**Reflector:** Surface refined purest aluminium.

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

**Wiring:** Electronic ballast.

## 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.

## Note:

Ask for stainless steel versions in case of permanent humidity or corrosive atmosphere presence.

STAINLESS STEEL  
corrosion resistant


When switched off the light fittings must not be exposed to an a.t. of more than +85°C.

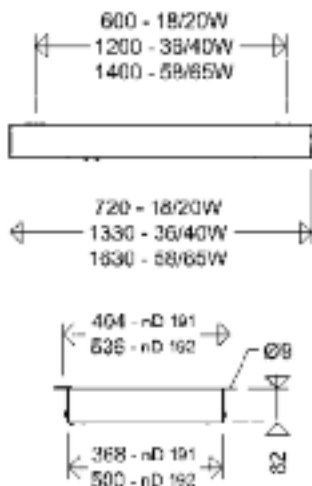
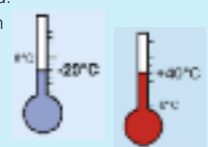
Special versions available for extreme conditions (short cycle operation, e.g. rain storage reservoirs or wastewater treatment plants and equivalent) Type E1003 to be selected (please contact us).

Not suitable for use in thermally insulated ceilings.

## 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
- **"end-of-life swiching-off system"** i.e. at the end of its life a fluorescent tube is safely switched off
- **easy to install and maintain**
  - Original SCHUCH central locking system with hinged safety glass pane for easy lamp replacement
- **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)
- high light efficiency due to an optimized mirror type reflector made of purest aluminium
-  standardized by Deutsche Bahn AG



## nD191/192...



II 3 G Ex nA IIC  
T4 Gc

II 3 D Ex tc IIIC  
T80°C Dc

IP65



## Ignition protection:

nA (Betriebsmittel für Zone 2)

## Marking:

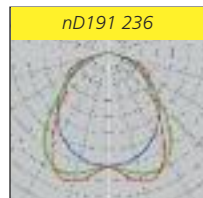
II 3 G Ex nA II T4 Gc (Zone 2)  
II 3 D Ex tc IIIC T80°C (Zone 22)

## Rated voltage/frequency:

220-240V AC/DC, 0 bzw. 50/60Hz.

## Ammissible ambient temperature:

-20°C bis +40°C

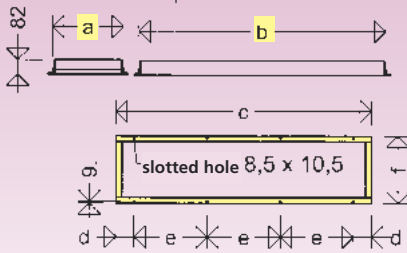


Type	Article no.	Temp. class	Lamps/W	Weight ca. kg
nD191 118 EVG	19102 0001	T4	1 x T 26/18 W	7,4
nD191 218 EVG	19102 0002	T4	2 x T 26/18 W	7,4
nD191 136 EVG	19102 0003	T4	1 x T 26/36 W	13,8
nD191 236 EVG	19102 0004	T4	2 x T 26/36 W	13,8
nD191 158 EVG	19102 0005	T4	1 x T 26/58 W	17,2
nD191 258 EVG	19102 0006	T4	2 x T 26/58 W	17,2
nD192 318 EVG	19102 0201	T4	3 x T 26/18 W	16,0
nD192 418 EVG	19102 0202	T4	4 x T 26/18 W	16,0
nD192 336 EVG	19102 0203	T4	3 x T 26/36 W	22,3
nD192 436 EVG	19102 0204	T4	4 x T 26/36 W	22,3
nD192 358 EVG	19102 0205	T4	3 x T 26/58 W	25,7
nD192 458 EVG	19102 0206	T4	4 x T 26/58 W	25,7

## Looping the cable on one side:

All light fittings of series nD191/192... have got 2 cable entries on one small side of the housing for cable looping instead of the through wiring system.

## Dimensions for recessed mounting



types	a	b	c	d	e	f
e 191 2. (18W)	388	740	786	93	300	434
e 191 4. (36W)	388	1350	1396	98	400	434
e 191 6. (58W)	388	1650	1696	48	400	434
e 192 2. (18W)	520	740	786	93	300	566
e 192 4. (36W)	520	1350	1396	98	400	566
e 192 6. (58W)	520	1650	1696	48	400	566

**Attention:** When planning the opening for recess installation please allow additional clearance for the cable glands.

## Frame for Recessed Installation

**retrofit possible!**

Light fittings of series nD191/192.. may be equipped with a separate frame also at a later stage, thus allowing recessed ceiling or wall installation. The frame is

mounted to the long sides of the housing by means of bolts of size M5 (see drawing).

Type	Article no.	
EB 182/18	18091 0004	frame for narrow housing - 1 and 2 x 18W
EB 182/36	18091 0005	frame for narrow housing - 1 and 2 x 36W
EB 182/58	18091 0006	frame for narrow housing - 1 and 2 x 58W
EB 192/18	18091 0013	frame for wide housing - 3 and 4 x 18W
EB 192/36	18091 0014	frame for wide housing - 3 and 4 x 36W
EB 192/58	18091 0015	frame for wide housing - 3 and 4 x 58W

### Attention:

In your inquiry / order please indicate for which type of ceiling the light fitting will be used. For certain types of ceilings the cable glands must be re-positioned to the backside of the housing.



## Further Series / Equipment

- up to 4 cable entries
- different cable glands
- through wiring system up to 5 x 6.0mm<sup>2</sup>
- with 2 individual electronic ballasts and monitoring module for individual monitoring the light fitting connected to central or group battery systems
- with isolating switch
- stainless steel housing, powder coated
- silicone free version
- zone 1-version (series e191/192...)
- non explosion-protected versions (series 191/192...) as dust- and waterproof version

## Accessories / Spare Parts

Type	Article no.	
<b>spare glasses</b>		
182 18-1	18090 9004	spare glass for narrow housing - 1 and 2 x 18W
182 36-1	18090 9005	spare glass for narrow housing - 1 and 2 x 36W
182 58-1	18090 9006	spare glass for narrow housing - 1 and 2 x 58W
192 18-1	19190 9003	spare glass for wide housing - 3 and 4 x 18W
192 36-1	19190 9004	spare glass for wide housing - 3 and 4 x 36W
192 58-1	19190 9005	spare glass for wide housing - 3 and 4 x 58W
<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>Lamp holder</b>		
182/1 T140	90056 9005	plug-socket holder

Through wiring systems are available.