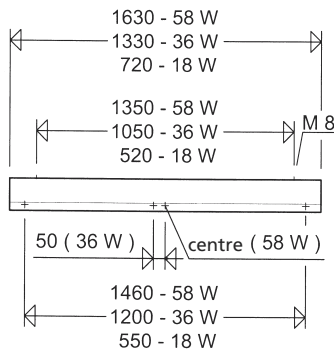


## Sheet Steel Light Fittings with Tapered Body Series 181/182...



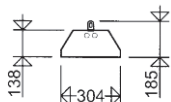
### Note:

For installation in continuously humid and corrosive atmospheres request stainless steel light fittings.

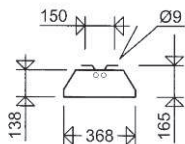


fixing dimensions for recess mounting frame

### 181... with suspension brackets H8V P



### 182 ... with ceiling brackets 15A P



### Application:

Industrial, tradesmen's and commercial facilities with extreme conditions, aggressive environments (e.g. oil, grease) or high mechanical exposure, paint shops and spray booths (non-hazardous areas), etc.

### Design:

**Housing:** sheet steel, traffic white (RAL 9016), powder-coated.

**Glass:** hinged, frameless, tempered safety glass.

**Reflector:** detachable, white painted

### Options:

- with up to 4 cable entries
- with different cable glands
- with single-end loop-in/loop-out wiring
- with through wiring up to max. 5 x 2.5mm<sup>2</sup>
- with asymmetric mirror-type reflector
- for central energy supply (ZB)
- as emergency light fitting
- in silicone-free version

sheet steel.

**Central locking:** operated by a 5mm Allen key, hinges on the opposite side. Electrical connection: 3-pole terminal block (max 2.5mm<sup>2</sup>).

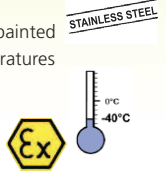
**Cable entries:** 3 entries M25x1.5 (1 cable gland and 2 blanking plugs).

**Through-wiring:** classic, up to 5 x 2.5mm<sup>2</sup>.

**Mounting:** 2 eye brackets (H8V P) or 2 ceiling brackets (15A P) (see „Accessories / Spare Parts“).

- stainless steel version, painted
- for low ambient temperatures down to -40°C

- as Ex version Zone 1 (series e181/182...)
- as Ex version Zone 2 (series nD181/182...)



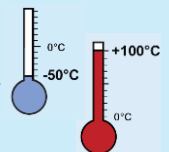
### Series 181/182... IFS for food industry areas

Mainly for applications in the food and food processing industries, we also supply the light fittings of the series 181.../182... with a polycarbonate glass and a screwed-on stabilization frame instead of the single layer safety glass. The light fitting then meets the requirements of the International Food Standard (IFS) for use in risk areas of the food and food processing plants.

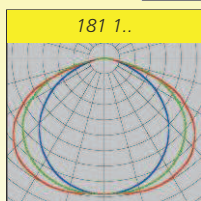
### SCHUCH quality - Your advantage:

- **robust and high chemical resistant design for a long life in extreme industrial conditions**
  - housing made of powder-coated sheet steel or stainless steel
  - frameless safety glass or framed polycarbonate glass
  - sturdy central-locking system and internal mounted hinges
- **easy to mount and maintain**
  - central locking-system with hinged safety glass for easy lamp replacement
  - easily accessible connection compartment under hinged reflector
  - fast and cost-saving through-wiring with looping system at one end of the housing (on request)
- **flexible and suitable for a wide range of applications in various environmental conditions**
  - separate frame for recessed installation and swivel arm mounting system for retrofitting (building-block system), thus offering high application flexibility and economic stock-keeping.
  - **version SSK** for use in blasting locations or cabins, **version IFS** for use in the food industry, **version S** for use in halls with high ceilings such as high-bay stores or cool-room stores, **version H** for use in high ambient temperatures up to +100°C, **version T** for use in low temperatures down to -50°C, **series e and nD 181/182...** for use in potentially explosive atmospheres (see catalogue section "Explosion-protected light fittings"), **emergency lighting series** and many other modified versions (see „Further Series / Versions“)

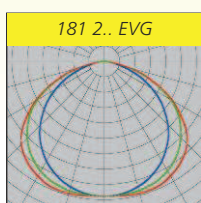
STAINLESS STEEL  
corrosion resistant



## 181...



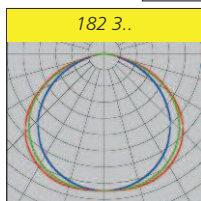
Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
181 118	18002 0001 <sup>1)</sup>	1 x T 26/18 W	10,1
181 218	18002 0003 <sup>1)</sup>	2 x T 26/18 W	10,3
181 318	18002 0019 <sup>1)</sup>	3 x T 26/18 W	10,3
181 136	18002 0005 <sup>1)</sup>	1 x T 26/36 W	16,6
181 236	18002 0007 <sup>1)</sup>	2 x T 26/36 W	17,4
181 336	18002 0021 <sup>1)</sup>	3 x T 26/36 W	18,6
181 158	18002 0009 <sup>1)</sup>	1 x T 26/58 W	21,0
181 258	18002 0011 <sup>1)</sup>	2 x T 26/58 W	22,3
181 358	18002 0023 <sup>1)</sup>	3 x T 26/58 W	24,2



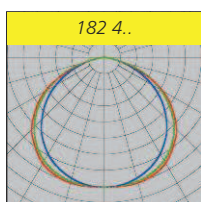
Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
181 118 EVG	18002 0013	1 x T 26/18 W	9,7
181 218 EVG	18002 0014	2 x T 26/18 W	9,7
181 318 EVG	18002 0024	3 x T 26/18 W	9,9
181 136 EVG	18002 0015	1 x T 26/36 W	16,5
181 236 EVG	18002 0016	2 x T 26/36 W	16,5
181 336 EVG	18002 0025	3 x T 26/36 W	17,4
181 158 EVG	18002 0017	1 x T 26/58 W	18,2
181 258 EVG	18002 0018	2 x T 26/58 W	20,9
181 358 EVG	18002 0026	3 x T 26/58 W	21,1

1) Uncomp.; article no. for comp. see price list 2) Weights without packing material

## 182...



Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
182 318	18002 0201 <sup>1)</sup>	3 x T 26/18 W	15,2
182 418	18002 0203 <sup>1)</sup>	4 x T 26/18 W	15,3
182 336	18002 0205 <sup>1)</sup>	3 x T 26/36 W	19,6
182 436	18002 0207 <sup>1)</sup>	4 x T 26/36 W	23,3
182 358	18002 0209 <sup>1)</sup>	3 x T 26/58 W	25,2
182 458	18002 0211 <sup>1)</sup>	4 x T 26/58 W	26,2



Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
182 318 EVG	18002 0213	3 x T 26/18 W	14,5
182 418 EVG	18002 0214	4 x T 26/18 W	10,5
182 336 EVG	18002 0215	3 x T 26/36 W	18,4
182 436 EVG	18002 0216	4 x T 26/36 W	22,6
182 358 EVG	18002 0217	3 x T 26/58 W	24,2
182 458 EVG	18002 0218	4 x T 26/58 W	24,0

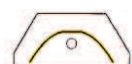
1) Uncomp., article nos. for comp. see price list 2) Weights without packing material

## 181/182... S.

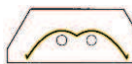


with highly polished, mirror-type reflectors for high ceilings

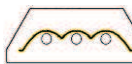
mirror-type reflector designs



181 1.. ST



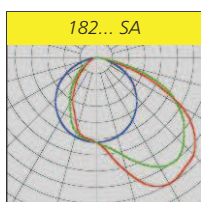
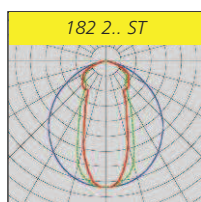
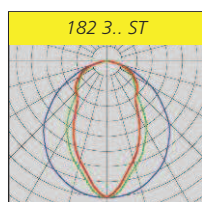
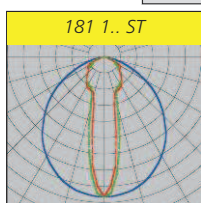
182 2.. ST



182 3.. ST



182 2.. SA



### Application:

Industrial and commercial storage facilities, storage areas and walkways with light point heights up to 16m.

### Design:

As 181/182... but with a high efficiency, mirror-finish reflector made from anodized pure aluminium.

Type	Article no. <sup>1)</sup>	Lamps W	Weight ca. kg <sup>2)</sup>
<b>narrow beam, narrow housing</b>			
181 136 ST	18400 0101	1 x T 26/36 W	18,4
181 158 ST	18400 0103	1 x T 26/58 W	21,8
<b>narrow beam, wide housing</b>			
182 236 ST	18500 0101	2 x T 26/36 W	16,5
182 336 ST	18500 0105	3 x T 26/36 W	19,8
182 258 ST	18500 0103	2 x T 26/58 W	22,8
182 358 ST	18500 0107	3 x T 26/58 W	22,0
<b>asymmetric beam, wide housing</b>			
182 236 SA	18500 0125	2 x T 26/36 W	19,0
182 258 SA	18500 0127	2 x T 26/58 W	22,7

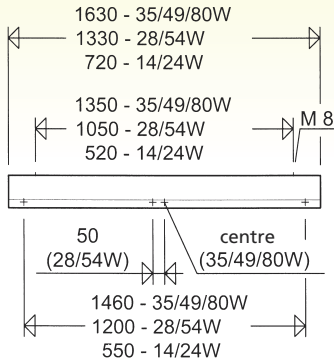
1) Uncomp., article nos. for comp. see price list 2) Weights without packing material

**Note:**

Depending on lamp length (549, 1149, 1449mm), various lamp types can be used:

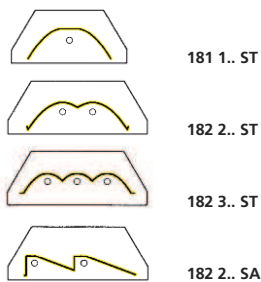
- HE for high light efficiency (14, 28, 35W)
- HO for high light output (24, 54, 49, 80W)
- Amalgam lamps for near constant luminous flux within the temperature range 5°C to 70°C (24, 54, 80W)
- longlife lamps with an operating life period of up to 60,000 hours (given by the manufacturer)

We recommend the use of Amalgam lamps for low temperatures.



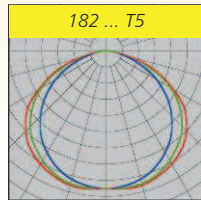
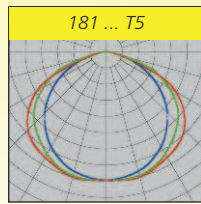
fixing dimensions for recess mounting frame

**mirror-type reflector designs**



**181/182... (T5)**

**for T5 fluorescent lamps**



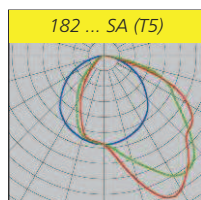
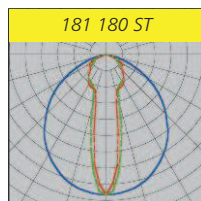
Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
181 114/24 <sup>1)</sup>	18005 0015	1 x T16 14/24	9,3
181 128/54 <sup>1)</sup>	18005 0016	1 x T16 28/54	17,2
181 135/49	18005 0017	1 x T16 35/49	20,2
181 180	18005 0007	1 x T16 80	20,2
181 214/24 <sup>1)</sup>	18005 0018	2 x T16 14/24	9,4
181 228/54 <sup>1)</sup>	18005 0019	2 x T16 28/54	17,3
181 235/49	18005 0020	2 x T16 35/49	20,3
181 280	18005 0014	2 x T16 80	20,3
182 314/24 <sup>1)</sup>	18005 0415	3 x T16 14/24	14,4
182 328/54 <sup>1)</sup>	18005 0416	3 x T16 28/54	22,4
182 335/49	18005 0417	3 x T16 35/49	26,4
182 380	18005 0507	3 x T16 80	26,4
182 414/24 <sup>1)</sup>	18005 0418	4 x T16 14/24	14,5
182 428/54 <sup>1)</sup>	18005 0419	4 x T16 28/54	22,5
182 435/49	18005 0420	4 x T16 35/49	26,5
182 480	18005 0514	4 x T16 80	26,5

1) With Multi-Watt ECG

2) Weights without packing material

**181/182... S. (T5)**

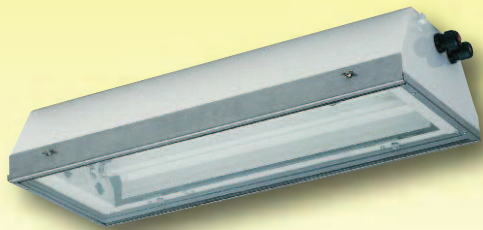
**with highly polished, mirror-type reflectors for high ceilings**



Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
<b>narrow beam</b>			
181 128/54 ST <sup>1)</sup>	18005 0108	1 x T16 28/54	18,0
181 135/49 ST	18005 0109	1 x T16 35/49	21,1
181 180 ST	18005 0107	1 x T16 80	21,1
182 228/54 ST <sup>1)</sup>	18005 0615	2 x T16 28/54	21,5
182 235/49 ST	18005 0616	2 x T16 35/49	25,5
182 280 ST	18005 0607	2 x T16 80	25,5
182 328/54 ST <sup>1)</sup>	18005 0624	3 x T16 28/54	21,9
182 335/49 ST	18005 0625	3 x T16 35/49	25,9
182 380 ST	18005 0614	3 x T16 80	25,9
<b>asymmetrical beam</b>			
182 228/54 SA <sup>1)</sup>	18005 0622	2 x T16 28/54	21,5
182 235/49 SA	18005 0623	2 x T16 35/49	25,5
182 280 SA	18005 0621	2 x T16 80	25,5

1) With Multi-Watt ECG

2) Weights without packing material



## 181/182... SSK

for blasting areas and cabins



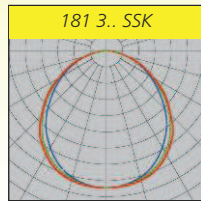
### Application:

Rooms and cabins where sand and glass pearls etc. are used for the treatment of goods.

### Design:

As standard type, but with easily replace-

able, polycarbonate protective cover with stainless steel frame in front of the safety glass window to protect it from damage by the blasting material. Protective cover exchange cycle depending on blasting material in use.



Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
181 118 SSK	18002 0400	1 x T 26/18 W	9,6
181 218 SSK	18002 0402	2 x T 26/18 W	9,7
181 318 SSK	18002 0404	3 x T 26/18 W	10,3
181 136 SSK	18002 0406	1 x T 26/36 W	17,6
181 236 SSK	18002 0408	2 x T 26/36 W	18,2
181 336 SSK	18002 0410	3 x T 26/36 W	18,8
181 158 SSK	18002 0412	1 x T 26/58 W	21,0
181 258 SSK	18002 0414	2 x T 26/58 W	27,1
181 358 SSK	18002 0416	3 x T 26/58 W	28,0
182 318 SSK	18002 0450	3 x T 26/18 W	15,2
182 418 SSK	18002 0452	4 x T 26/18 W	15,3
182 336 SSK	18002 0454	3 x T 26/36 W	23,2
182 436 SSK	18002 0456	4 x T 26/36 W	23,3
182 358 SSK	18002 0458	3 x T 26/58 W	28,8
182 458 SSK	18002 0460	4 x T 26/58 W	29,6

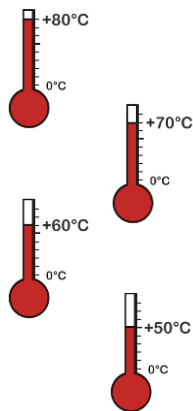
1) Uncomp.; article nos. for comp. and EVG versions see price list 2) Weights without packing material

### Note:

EVG version for high ambient temperatures on request.

## 181/182... H..

for high ambient temperatures up to +80°C



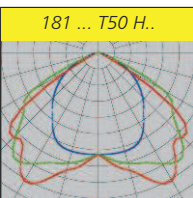
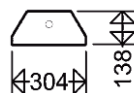
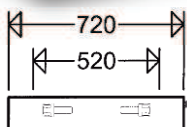
Type	Article no. <sup>1)</sup>	Lamps W	Weight ca. kg <sup>2)</sup>
181 118 H80	18002 0106	1 x T 26/18 W	11,0
181 218 H80	18002 0105	2 x T 26/18 W	11,3
181 136 H80	18002 0101	1 x T 26/36 W	17,5
181 236 H80	18002 0103	2 x T 26/36 W	18,3
181 158 H70	18002 0109	1 x T 26/58 W	21,3
181 318 H60	18002 0107	3 x T 26/18 W	10,3
181 336 H60	18002 0108	3 x T 26/36 W	18,6
181 258 H60	18002 0110	2 x T 26/58 W	22,7
181 358 H50	18002 0111	3 x T 26/58 W	22,8
182 336 H80	18002 0301	3 x T 26/36 W	20,4
182 318 H60	18002 0305	3 x T 26/18 W	15,2
182 418 H60	18002 0306	4 x T 26/18 W	15,3
182 436 H60	18002 0307	4 x T 26/36 W	23,3
182 358 H60	18002 0303	3 x T 26/58 W	27,2
182 458 H50	18002 0304	4 x T 26/58 W	27,3

1) Uncompensated available only

2) Weights without packing material

## 181... T.. H..

for a broad temperature range from -50°C up to +100°C



### Application:

Cold rooms, ageing chambers (automobile industry), frequently opened small cold stores with a high number of switching cycles, material testing facilities, plastic fibre manufacturing installations, cement plants etc.

### Advantage:

Instant full luminous flux when switching on light fitting.

### Design:

As standard type, but with anodized pure aluminium mirror finish reflector, silicone-free (except version ... T50 H100).

Type	Article no.	Lamps W	Weight ca. kg <sup>2)</sup>
181 270 T50 H90	18002 0115	2 x QT/70 W	8,4
181 270 T50 H100 <sup>1)</sup>	18002 0116	2 x QT/70 W	8,4
181 100/2 T50 H75	18002 0113	2 x QT/100 W	8,4

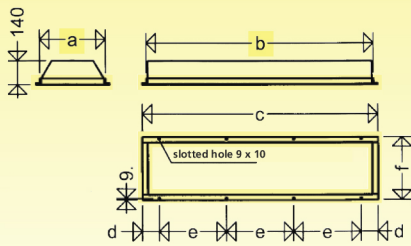
1) With silicone gasket

2) Weights without packing material

**Note:** By reducing voltage 10% the life of the halide lamp will increase by a factor of 3!

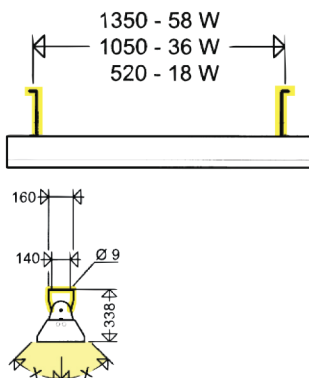


## mounting dimensions



Frame	a	b	c	d	e	f
EB 181/18	324	740	786	93	300	370
EB 181/36	324	1350	1396	98	400	370
EB 181/58	324	1650	1696	48	400	370
EB 182/18	388	740	786	93	300	434
EB 182/36	388	1350	1396	98	400	434
EB 182/58	388	1650	1696	48	400	434

**Note:** The additional length of the cable entry must be taken in to account when mounting!



swivel angle 150°

## Mounting accessories

### Suspension brackets H8V P



### Ceiling brackets 15A P



### Wall and ceiling angle brackets 45° WD 45V P



#### Note:

When using the carrier rail TRS 2000 the mounting accessories for TRS 2000 EX should be used (see section „Ex-light fittings“).

See end of section “Dustproof/Waterproof light fittings” for through-wiring options.

## Frames for Recessed Mounting

**retrofit possible!**

Light fittings series 181 / 182... can also be adapted for flush mounting using a separately supplied frame.

The light fitting is mounted using M5 screws along the long sides.

Type	Article no.	
EB 181/18	18091 0001	frame for 181 .18/14/24W
EB 181/36	18091 0002	frame for 181 .36/28/54W
EB 181/58	18091 0003	frame for 181 .58/35/49/80W
EB 182/18	18091 0004	frame for 182 .18/14/24W
EB 182/36	18091 0005	frame for 182 .36/28/54W
EB 182/58	18091 0006	frame for 182 .58/35/49/80W

## Swivel Arm Mounting System

**retrofit possible!**

Light fittings series 181 / 182... can also be adapted for swivel mounting using separately supplied swivel arm mounting accessories. The swivel mounting

brackets are screwed to the light fitting at the suspension points. Swivel angle  $\pm 75^\circ$  (see dimension drawing).

Type	Article no.	
SWA 181/182	18092 0001	for all lamp lengths, consisting of 2 swivel brackets and screws M8
SWA 181/182 E	18092 0002	stainless steel version for all lamp lengths, consisting of 2 swivel brackets and screws M8

## Accessories / Spare Parts

Type	Article no.	
<b>Spare safety-glass</b>		
181 18-1	18090 9001	for 181 .18/14/24W
181 36-1	18090 9002	for 181 .36/28/54W
181 58-1	18090 9003	for 181 .58/35/49/80W
182 18-1	18090 9004	for 182 .18/14/24W
182 36-1	18090 9005	for 182 .36/28/54W
182 58-1	18090 9006	for 182 .58/35/49/80W
<b>PC- safety glass for series 181/182... IFS (without stabilizing frame)</b>		
181 18-1 PC	18090 9007	for 181 .18/14/24W
181 36-1 PC	18090 9008	for 181 .36/28/54W
181 58-1 PC	18090 9009	for 181 .58/35/49/80W
182 18-1 PC	18090 9010	for 182 .18/14/24W
182 36-1 PC	18090 9011	for 182 .36/28/54W
182 58-1 PC	18090 9012	for 182 .58/35/49/80W
<b>PC- safety glass for series 181/182... SSK (with gasket, without mounting rail)</b>		
181 18-1 PC SSK	18090 9013	for 181 .18/14/24W
181 36-1 PC SSK	18090 9014	for 181 .36/28/54W
181 58-1 PC SSK	18090 9015	for 181 .58/35/49/80W
182 18-1 PC SSK	18090 9016	for 182 .18/14/24W
182 36-1 PC SSK	18090 9017	for 182 .36/28/54W
182 58-1 PC SSK	18090 9018	for 182 .58/35/49/80W
<b>Lamp holders</b>		
177/1	17703 9000	without starter holder
177/2	17703 9001	with starter holder
STF 182	90138 9002	starter holder
182/1 T140	90056 9005	lamp holder (from AT +50°C)
190	90056 9007	lamp holder T5
<b>Mounting accessories</b>		
H8 V P	90001 0002	1 pair suspension brackets with screws M8, stainless steel
15A P	90000 0002	1 pair ceiling brackets, galvanized steel
15A V P	90032 0002	1 pair ceiling brackets, stainless steel
WD 45 P	26000 0005	1 pair wall and ceiling angle brackets 45°, painted white
WD 45V P	26000 0006	1 pair wall and ceiling angle brackets 45°, stainless steel

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