

LED-Steep roof light fitting
Series 185...

Applications:
Industrial, tradesmen's and commercial facilities with extreme conditions, aggressive environments (e.g. oil, grease) or high mechanical exposure, clean rooms, spray booths and spraying rooms (not EX), sand blasting rooms (SSK-versions) etc.
(For damp and cold ambient conditions with low duty cycles and in the case of aggressive atmosphere, please contact us)

Design:
Housing: Sheet steel, light grey, powder coated (RAL 7035), silicone foam seal
Safety glass: Frameless, clear, hinged, tiltable.
Reflector: Hinged; white painted sheet steel; detachable, with LED-modules and frosted glare limitation modules.
Central locking: Internal, to be opened from outside with 5 mm allen key, inner hinges on the opposite side.
Terminal: 5-pole terminal, clamping range 2.5 mm² max.
Cable entries: 3 entries M25 x 1.5 (2 glands and 2 screw plugs). Looping the mains cable at one end of the housing up to 5 x 2.5 mm² possible.
Mechanical installation:
Mounting accessories see spare parts/ accessories.

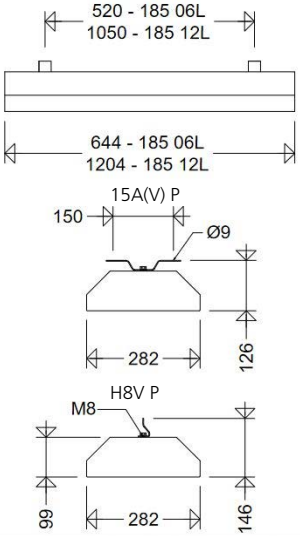
Note:

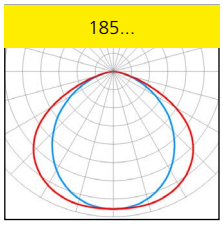
This light fitting is not suitable for application in areas with permanent high humidity in combination with only short periods of operation, such as sewage or stormwater retention bassins or water treatment plants.

In such cases we recommend the use of our **107... G2 (PRIMO XR) series.**

Technical data:

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 see article tables





Options:

– 2,200 K, 2,700 K, 3,000 K, 5,000 K, 6,500 K; light colours (**822, 827, 830, 850, 865**)
– coloured LEDs, for signal applications
– through-wiring (**DV**), 5 x 2,5 mm²
– stainless steel version (**E.**), painted
– special painting in RAL colours
– for higher ambient temperatures (**H..**)
– for wide temperature ranges (**T40 H..**)
– increased resistance (**ER**), against corrosive atmospheres
– high resistance (**HR**), against corrosive atmospheres
– with increased luminous flux (up to 34,000 lm) and optics (**T/TB**) for shelf storage aisles, workplace lighting, etc.
– for connection to a central power supply system (**ZB**)

Options Luminous flux adjustment / Lighting control / Lighting management:

– Corridor Mode (**DIMC**)

Product highlights:



- **extremely flat and robust design**
- **smooth housing** with all latches inside the housing
- **comfortable central locking system** with internal hinges
- **perfect protection of the LED** from mechanical or electrostatic damages through glare limitation elements on top the led
- **homogeneous, glarefree Illumination with frosted glare limitation elements,** comfortable perception of light, brilliant glare limitation
- **retrofittable installation frames and swivel arm mountings** (modular construction)
- **inexpensive cable looping** possible
- suitability for paint booths **LABS-tested** according to VDMA24364-C2-L
- 185 12L.. **Ball-proof tested** for use in sports halls
- control gear and LED-module replaceable by qualified personnel on-site
- **future proof** by using standardised LED-modules (Zhaga) and long-term availability of spare parts

185...

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max.[°C]	Substitute for ca. *	Weight [kg] without packing material
18501 0031	**185 06L30**	1	22	3.100	141	55	1 x 58W	7,9
18501 0032	**185 06L45**	1	32	4.660	146	55	2 x 36W	7,9
18501 0033	**185 06L60**	1	43	6.190	144	45	2 x 58W	7,9
18501 0001	**185 12L60**	1	42	5.830	139	55	2 x 58W	13,3
18501 0002	**185 12L90**	1	63	9.100	144	55	3 x 58W	13,8
18501 0003	**185 12L120**	1	84	11.660	139	45	4 x 58W	13,8

IP65

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

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	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max.[°C]	Substitute for ca. *	Weight [kg] without packing material

NEW

185... DIMD

LiMAS Line | IP65

dimmable via DALI interface

Design:

Same as standard version, but with DALI-2-ECG and 2 additional clamping points. Dimming range 1 -100 %. Compatible with **LIMAS Line** Light Management System.

18501 0036	**185 06L30 DIMD**	1	22	3.100	141	55	1 x 58W	7,9
18501 0037	**185 06L45 DIMD**	1	32	4.660	146	55	2 x 36W	7,9
18501 0038	**185 06L60 DIMD**	1	43	6.190	144	45	2 x 58W	7,9
18501 0006	**185 12L60 DIMD**	1	42	5.830	139	55	2 x 58W	13,3
18501 0007	**185 12L90 DIMD**	1	63	9.100	144	55	3 x 58W	13,8
18501 0008	**185 12L120 DIMD**	1	84	11.660	139	45	4 x 58W	13,8



185... SSK

IP65

for blasting rooms and cabins

Applications:

Rooms and cabins where blasting material (sand, glass beads, etc.) is used.

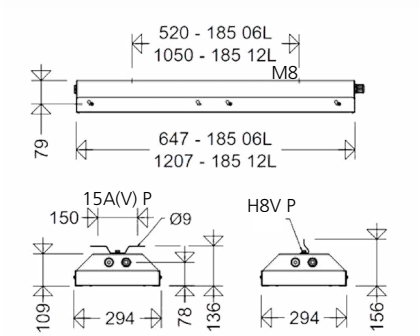
Design:

As standard version 185..., but: protruding, easily replaceable polycarbonate cover in stainless steel frame to protect the safety glass from damage by blasting material. The replacement interval may differ depending on the blasting material used.

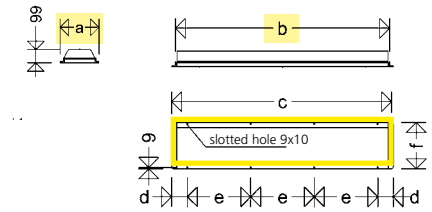
18501 0041	**185 06L30 SSK**	1	22	3.100	141	55	1 x 58W	9,3
18501 0042	**185 06L45 SSK**	1	32	4.660	146	55	2 x 36W	9,3
18501 0043	**185 06L60 SSK**	1	43	6.190	144	45	2 x 58W	9,3
18501 0011	**185 12L60 SSK**	1	42	5.830	139	55	2 x 58W	16,2
18501 0012	**185 12L90 SSK**	1	63	9.100	144	55	3 x 58W	16,7
18501 0013	**185 12L120 SSK**	1	84	11.660	139	45	4 x 58W	16,7

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

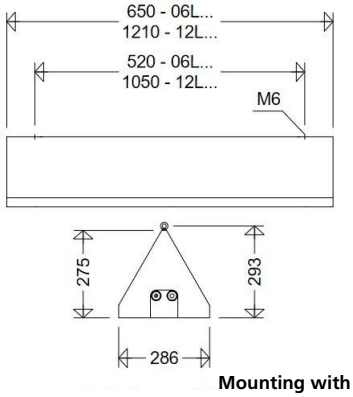
Attention: Version 185... SSK cannot be comnined with frame for recessed installation or dust protection cover.



Installation dimensions



Type	a	b	c	d	e	f
EB 82. 06L	302	660	710	55	300	348
EB 82. 12L	302	1224	1270	125	340	348



Mounting with RS 6

Frame for Recessed Installation

retrofit possible!

Light fittings of series 185... can be equipped with a frame even at a later stage.

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

Article No.	Type	
18091 0020	**EB 82. 06L**	frame for narrow housing for 185 06L
18091 0021	**EB 82. 12L**	frame for narrow housing for 185 12L

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

Attention: When installing in insulated ceiling and wall cut-outs, the maximum ambient temperature (Tmax) of the luminaire is reduced by 5 ° C!

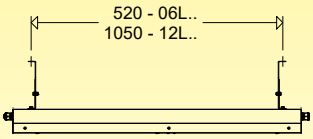
Dust protection cover

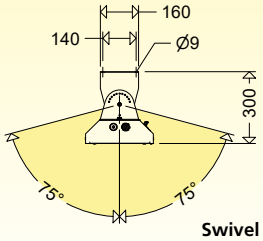
retrofit possible!

Light fittings of series 185... series can be equipped (also retrofitted) with a dust protective cover to prevent dust deposits on the light fitting.

It is fastened to the long sides of the light fitting housing with M5 screws.
M6 eyebolts (RS 6 P) are supplied for chain suspension.

Article No.	Type	
18093 0001	**SSH 185 06**	dust protection cover for 185 06L
18093 0002	**SSH 185 12**	dust protection cover for 185 12L





Swivel range 150°

Swivel Arm Mounting System

retrofit possible!

Light fittings of series 185.. can be equipped with a swivel arm mounting system at any time.
The swivel arms are fixed to the suspension points at the upper side of the housing. Swivel range: ± 75° (see dimensions in diagram).

Article No.	Type	
18092 0001	**SWABF 181/182 P**	for all lamp lengths, consisting of 2 swivel brackets and screws M8



Mounting material

Suspension brackets H8V P



Ceiling brackets 15A P



Wall/ceiling angles WDW 45 P



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

Accessories / Spare Parts

Article No.	Type	
Spare glasses		
82101 9001	**ABD 821 06**	cover, spare glass clear, for 185 06 ..., e821, nD822...
82101 9002	**ABD 821 12**	cover, spare glass clear, for 185 12 ..., e821, nD822...
18090 9027	**ABD 185 06 PC SSK**	cover, glass PC clear SSK, EPDM without longitudinal fixing rail, for 185 06 ... SSK
18090 9025	**ABD 185 12 PC SSK**	cover, glass PC clear SSK, EPDM without longitudinal fixing rail, for 185 12 ... SSK
Cable entries/cable glands		
25600 9000	**2560**	plastic cable gland M25 x 1,5
25720 9000	**2572**	plastic screw plug M25 x 1,5
Mounting material		
90019 0002	**RS 6 P**	2 eyebolts M6, galvanized steel
90001 0002	**H8V P**	2 suspension eyes, stainless steel
90000 0002	**DS 15A P**	2 ceiling brackets, hot galvanized steel
90032 0002	**DS 15AV P**	2 ceiling brackets, stainless steel
26000 0005	**WDW 45 P**	2 wall/ceiling angle 45°, painted steel
26000 0006	**WDW 45 V P**	2 wall/ceiling angle 45°, stainless steel (blasted)
26000 0011	**WDW P**	2 wall/ceiling angle, painted steel