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.

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 5mm allen key, inner hinges on the opposite side.
Cable entries: 3 x M25 (2 cable gland and 2 blanking plugs), looping the cable at one side 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: Line-modules 4,000K; CRI>80, ifetime L_{90} > 50.000h at 25°C ambient temperature, lifetime L_{80} > 70,000h at max. ambient temperature
ECG: 220-240V, 50/60Hz, overload and short circuit protection
Ambient temperature: -20°C up to see table of articles

185...
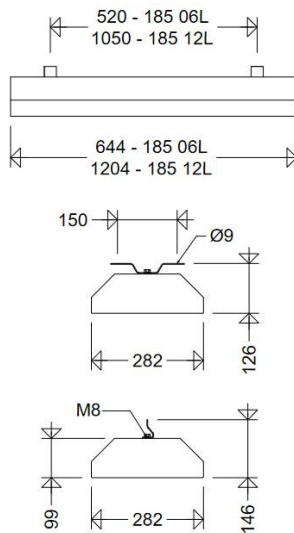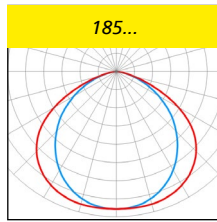

Options:
– with dimming function via DALI2 interface, compatible with LIMAS Line (**DIMD**) Light Management System
– for high ambient temperatures
– for wide temperature ranges
– for connection to central or group battery system (**ZB**) or emergency mains respectively
– in stainless steel, powder coated

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, no individual light points visible, comfortable perception of light
- high colour rendering CRI > 80, according to the work place guidelines suitable for nearly all branches
- with ▽-sign, therefore suitable for application in rooms/locations with increased fire risk due to flammable dusts
- retrofittable Frame for Recessed Installation, Dust protection cover and Swivel Arm Mounting System (modular construction)
- inexpensive cable looping possible
- ECG and reflector with LED-modules replacable by qualified personnel on-site
- future-proof due to use of standardized LED-modules (Zhaga)
- Suitability for paint booths LABS-tested according to VDMA24364-C2-L

Article no.	Type	Quantity of ECG	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max. [°C]	Substitute for ca. *	Weight [kg] without packing material
185...							IP65	
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	43	6.190	144	55	2 x 58W	13,3
18501 0002	**185 12L90**	2	64	9.310	145	55	3 x 58W	13,8
18501 0003	**185 12L120**	2	86	12.270	143	45	4 x 58W	13,8

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

Dimensions:
520 - 185 06L
1050 - 185 12L

644 - 185 06L
1204 - 185 12L

150
Ø9
282
126

M8
282
99
146

! **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.
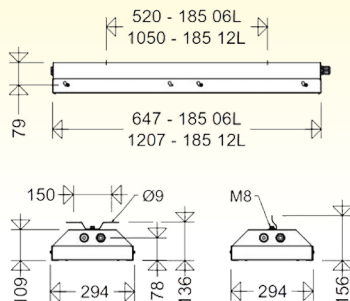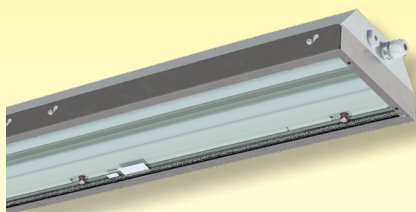
SCHUCH

Article no.	Type	Quantity of ECG	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max.[°C]	Substitute for ca. *	Weight [kg] without packing material

185... SSK

LED | 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.

Article no.	Type	Quantity of ECG	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max.[°C]	Substitute for ca. *	Weight [kg] without packing material
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	43	6.190	144	55	2 x 58W	16,2
18501 0012	185 12L90 SSK	2	64	9.310	145	55	3 x 58W	16,7
18501 0013	185 12L120 SSK	2	86	12.270	143	45	4 x 58W	16,7

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

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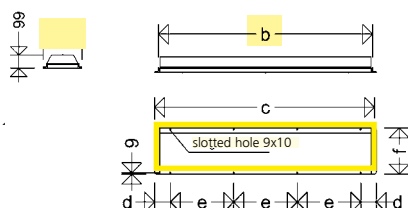
Type	a	b	c	d	e	f
EB 82. 06L	302	660	710	55	300	348
EB 82. 12L	302	1224	1270	125	340	348

slotted hole 9x10

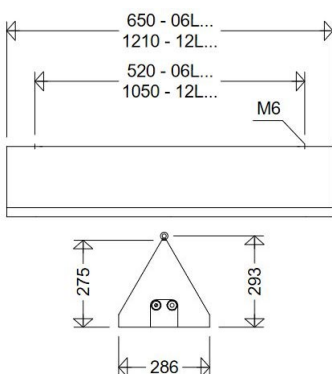## Frame for Recessed Installation

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 06L	dust protection cover for 185 06L
18093 0002	SSH 185 12L	dust protection cover for 185 12L

Mounting with RS 6

Dustproof/Waterproof Light Fittings
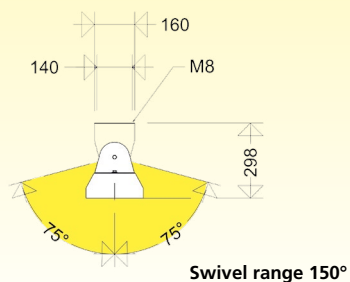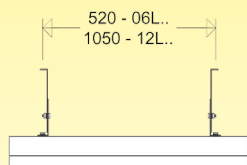
Swivel Arm Mounting System

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	**SWA 181/182**	for all lamp lengths, consisting of 2 swivel brackets and screws M8
18092 0002	**SWA 181/182E**	for all lamp lengths, consisting of 2 swivel brackets and screws M8 stainless steel

520 - 06L..
1050 - 12L..

160
140 M8
298

Swivel range 150°

Mounting material

Suspension brackets **H8V P**

Ceiling brackets **15A P**

Wall/ceiling angles **WD 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	**821 06L**	spare glass for 185 06L
82101 9002	**821 12L**	spare glass for 185 12L
18090 9027	**185 06L PC SSK**	PC protective glass (with seal, without longitudinal mounting rail for 185 06L.. SSK
18090 9025	**185 12L PC SSK**	PC protective glass (with seal, without longitudinal mounting rail for 185 12L.. SSK
Cable entries/cable glands		
25600 9000	**2560**	plastic cable gland M25 x 1,5
25720 9000	**2572**	threaded blanking 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	**15A P**	2 ceiling brackets, hot galvanized steel
90032 0002	**15AV P**	2 ceiling brackets, stainless steel
26000 0005	**WD 45 P**	2 wall/ceiling angle 45°, steel
26000 0006	**WD 45 VP**	2 wall/ceiling angle 45°, stainless steel (blasted)