

PROXIMA

Dustproof/Waterproof LED Emergency Light Fitting with Diffuser Series 161PX ..

Applications:
In humid, wet and dusty rooms as replacement lighting in the event of a power failure, or as safety lighting to illuminate escape and rescue routes.

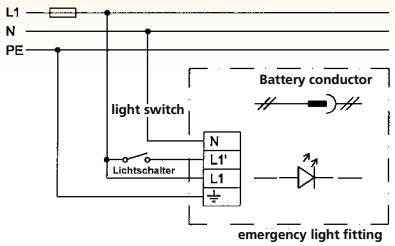
Mechanical Design:
Housing: Glass fibre reinforced polyester resin, foamed silicone gasket.
Diffuser: Injected, acrylic glass, frosted, additional clear cover over the LED-modules to ensure protection against contact (Types ...MA).
Closure: Three-part plastic safety clips (**KKS**), unloseable.
Reflector: Aluminium, painted can be suspended or removed and carries the electrical components.
Connection: 3/4-pole terminal.
Cable entries: 3 plugs M20, loop in-out possible without further modification.
Mounting: 2 stainless steel retaining clips, 2 brackets for chain suspension, holes pre-pressed for direct fixing, sealing and pressure disks included in scope of deliver.

Technical Data:
LED: Linear modules 4,000 K, CRI > 80, service life L_{90} > 50,000 h at 25 °C ambient temperature, service life L_{80} > 70,000 h and L_{70} > 100,000 h at max. ambient temperature
Incorporated LiFePO4 battery, with temperature monitoring, short-circuit-proof connection, reverse polarity protection
Electronic deep discharge protection acc. to EN 61347-2-7
Re-charging time: 24 h, acc. to EN 60598-2-22
Automatic monitoring: of the emergency light fitting according to EN 62034, indication of the test results by 2-coloured LED (luminescence diode) at the luminaire

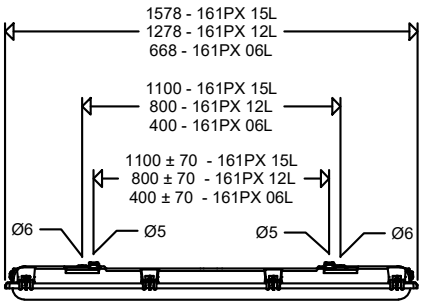
Mode of operation:
maintained operation = switching over to battery operation in case of mains failure, line modules will be operated with reduced luminous flux as emergency lighting.
Stand-by operation: Emergency light switches on in the event of a power failure.

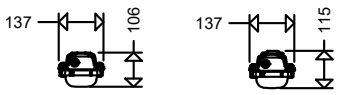
Connection voltage: 220-240 V 50/60 Hz
Ambient temperature: 0 °C up to +40 °C

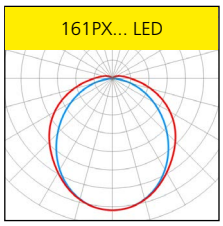
Wiring diagram maintained/stand by operation



Installation: connect battery conductor
Decommission: disconnect battery conductor
Stand-by operation: do not connect L1'







Options:
– 3.000 K, 5.000 K, 6,500 K; light colours (**830, 850, 865**)
– cable entry M25x1,5 mm²
– cover made of polycarbonate (**PC**), frosted
– stainless steel clips (**KE**)
– according to „International Featured Standard Food" (**IFS**)
– according to „International Featured Standard Food" (**IFS**) additionally with highly chemical-resistant cover (**LM**)
– dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)

For self-contained emergency luminaire:
– through-wiring (**DV**), (see note)
4-conductor: L1, L1', N, PE or
6-conductor: L1, L1', L2', L3', N, PE
– DALI interface for centralised monitoring, compatible with LIMAS Line PRO or Line ESC wired Light Management Systems
– Radio module for centralised monitoring, compatible with LIMAS Air GUARD Light Management System

For a central power supply system:
– percentage reduction in luminous flux in DC operation (**ZB15, ZB30, ZB50**)
– for connection to a central power supply system with integrated monitoring module
– for connection to a central power supply system with integrated changeover switch

Standard cable entries for looping the mains cable on one side (loop in/loop out):
We deliver the light fittings with 2 cable entries on one small side. This feature allows an optimal adjustment to all local conditions and it will consequently save the typical quite expensive through wiring system. (Surcharge for 5-pole version).



Advantages of the emergency light version:
- **always ready for operation** (MA-versions) due to permanent trickle charging of the battery (>0°C)
- **safety in an emergency**, immediate light with maximum luminous flux, discharge also possible at low temperatures
- can be used **up to +40 °C** ambient temperature
- with ZB version 100 % luminous flux even in emergency operation
- **reliable protection against contact** due to additional clear cover (MA-versions)

General product highlights of the 161PX... series:
- **high-impact resistant housing**, wall thickness 1.8 mm
- **diffuser with very high mechanical stability**, wall thickness 2.0 mm
- **safety clips** to ensure protection against contact
- **FastFix quick mounting system** with retaining clips made of stainless steel
- **flexible mounting** with movable retaining clips
- **front-side in/out wiring** (3-pole) possible as standard due to 2 entries on one side
- **variable cable entry** possible through additional entries on the top of the enclosure at the front or in the centre, centring holes available
- 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

! 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	Connected load [W] (incl. battery charge)	Luminous flux [lm]	Luminous flux [lm] (emergency operation)	Luminous efficacy [lm/W]	Operating time 1 h	Operating time 3 h	Substitute for *	Weight [kg] (without packing material)
161PX ../. MA									
self-contained emergency luminaire with automatic monitoring									
16140 0051	**161PX 06L12/1 MA**	12	1.410	600	118	•		1 x 18W	2,2
16140 0054	**161PX 06L20/1 MA**	18	2.330	600	129	•		2 x 18W	2,2
16140 0061	**161PX 06L12/3 MA**	12	1.410	600	118		•	1 x 18W	2,3
16140 0064	**161PX 06L20/3 MA**	18	2.330	600	129		•	2 x 18W	2,3
16140 0052	**161PX 12L22/1 MA**	17	2.440	600	144	•		1 x 36W	3,3
16140 0055	**161PX 12L42/1 MA**	29	4.300	600	148	•		2 x 36W	3,3
16140 0062	**161PX 12L22/3 MA**	17	2.440	600	144		•	1 x 36W	3,4
16140 0065	**161PX 12L42/3 MA**	29	4.300	600	148		•	2 x 36W	3,4
16140 0053	**161PX 15L34/1 MA**	23	3.520	600	153	•		1 x 58W	4,0
16140 0056	**161PX 15L60/1 MA**	41	6.270	600	153	•		2 x 58W	4,0
16140 0063	**161PX 15L34/3 MA**	23	3.520	600	153		•	1 x 58W	4,1
16140 0066	**161PX 15L60/3 MA**	41	6.270	600	153		•	2 x 58W	4,1
161PX .. ZB									
for central power supply systems									
16140 0101	**161PX 06L12 ZB**	10	1.410	1.410	141			1 x 18W	1,7
16140 0104	**161PX 06L20 ZB**	16	2.330	2.330	146			2 x 18W	1,7
16140 0102	**161PX 12L22 ZB**	15	2.440	2.440	163			1 x 36W	2,8
16140 0105	**161PX 12L42 ZB**	27	4.300	4.300	159			2 x 36W	2,8
16140 0107	**161PX 12L60 ZB**	39	6.070	6.070	156			2 x 58W	2,8
16140 0103	**161PX 15L34 ZB**	21	3.520	3.520	168			1 x 58W	3,4
16140 0106	**161PX 15L60 ZB**	39	6.270	6.270	161			2 x 58W	3,4
16140 0108	**161PX 15L75 ZB**	49	7.590	7.590	155			> 2 x 58W	3,4

Applications:
For connection to central power supply systems for illuminating escape routes.

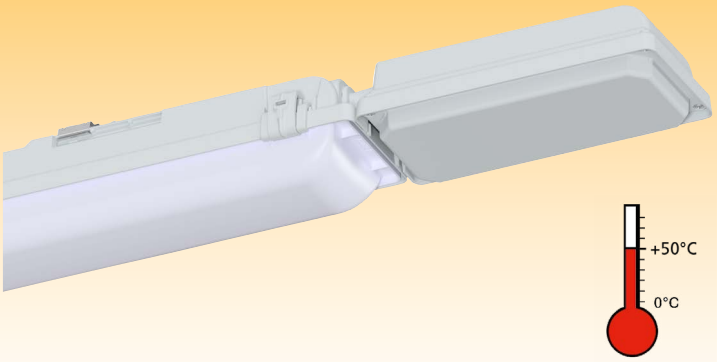
Technical Data:
Light fitting with incorporated fuse for cut-off in case of failure according to DIN EN 60598-2-22, section 22.7.3.
Connection voltage: 220-240 V, 50/60 Hz and 220V DC
Ambient temperature: from -20 °C up to +40 °C

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

Accessories and spare parts please see section „Dustproof/Waterproof LED Light Fitting with Diffuser Series **161PX...** " in our catalogue. When ordering electronic parts or battery sets please always mention the article no. of the respective fitting.

PROXIMA

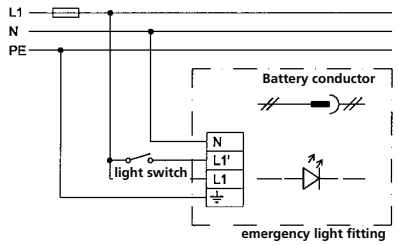
Dustproof/Waterproof LED Emergency Light for high ambient temperatures up to +50 °C Fitting with Diffuser Series 161PX... H50



Applications:
In humid, wet and dusty rooms as replacement lighting in the event of a power failure, or as safety lighting to illuminate escape and rescue routes.

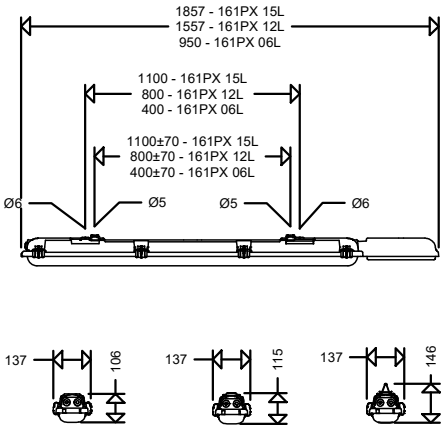
Mechanical Design:
Housing: Glass fibre reinforced polyester resin, with separate battery box at one small side of the housing, foamed silicone gasket.
Diffuser: Injected, acrylic glass, frosted, additional clear cover over the LED-modules to ensure protection against contact.
Closure: Three-part plastic safety clips (**KKS**), unloseable.
Reflector: Aluminium, painted can be suspended or removed and carries the electrical components.
Connection: 4-pole terminal.
Cable entries: 2 plugs M20, loop in-out possible without further modification.
Mounting: 2 stainless steel retaining clips, 2 brackets for chain suspension, holes pre-pressed for direct fixing, sealing and pressure disks included in scope of deliver.

Wiring diagram maintained/stand by operation



Installation: connect battery conductor
Decommission: disconnect battery conductor
Stand-by operation: do not connect L1'

161PX ... H (with battery box)

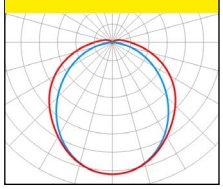


Technical Data:
LED: Linear modules 4,000 K, CRI > 80, service life L_{90} > 50,000 h at 25 °C ambient temperature, service life L_{80} > 70,000 h and L_{70} > 100,000 h at max. ambient temperature
Incorporated LiFePO4 battery, with temperature monitoring, short-circuit-proof connection, reverse polarity protection
Electronic deep discharge protection acc. to EN 61347-2-7
Re-charging time: 24 h, acc. to EN 60598-2-22
Automatic monitoring: of the emergency light fitting according to EN 62034, indication of the test results by 2-coloured LED (luminescence diode) at the luminaire

Mode of operation:
maintained operation = switching over to battery operation in case of mains failure, line modules will be operated with reduced luminous flux as emergency lighting.
Stand-by operation: Emergency light switches on in the event of a power failure.

Connection voltage: 220-240 V 50/60 Hz
Ambient temperature: 0 °C up to +50 °C

161PX... LED



Options:
– 3.000 K, 5.000 K, 6,500 K; light colours (**830, 850, 865**)
– cable entry M25x1,5 mm²
– cover made of polycarbonate (**PC**), frosted
– stainless steel clips (**KE**)
– according to „International Featured Standard Food" (**IFS**)
– according to „International Featured Standard Food" (**IFS**) additionally with highly chemical-resistant cover (**LM**)
– dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
– DALI interface for centralised monitoring, compatible with LIMAS Line PRO or Line ESC wired Light Management Systems
– Radio module for centralised monitoring, compatible with LIMAS Air GUARD Light Management System

Standard cable entries for looping the mains cable on one side (loop in/loop out):
We deliver the light fittings with 2 cable entries on one small side. This feature allows an optimal adjustment to all local conditions.



Advantages of the emergency light version:
- **always ready for operation** (MA-versions) due to permanent trickle charging of the battery (>0°C)
- **safety in an emergency**, immediate light with maximum luminous flux, discharge also possible at low temperatures
- can be used **up to +50 °C** ambient temperature
- **reliable protection against contact** due to additional clear cover (MA-versions)

General product highlights of the 161PX... series:
- **high-impact resistant housing**, wall thickness 1.8 mm
- **diffuser with very high mechanical stability**, wall thickness 2.0 mm
- **safety clips** to ensure protection against contact
- **FastFix quick mounting system** with retaining clips made of stainless steel
- **flexible mounting** with movable retaining clips
- **front-side in/out wiring** (3-pole) possible as standard due to 2 entries on one side
- **variable cable entry** possible through additional entries on the top of the enclosure at the front or in the centre, centring holes available
- **homogeneous illumination** by using frosted diffusers
- **highest flexibility** due to almost unlimited modification possibilities
- 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

! 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.

161PX ../. H50 MA

IP65

self-contained emergency luminaire with automatic monitoring for high temperatures up to +50 °C

Article no.	Type	Connected load [W] (incl. battery charge)	Luminous flux [lm]	Luminous flux [lm] (emergency operation)	Luminous efficacy [lm/W]	Operating time 1 h	Operating time 3 h	Substitute for *	Weight [kg] (without packing material)
16144 0051	**161PX 06L12/1 H50 MA**	12	1.410	600	118	•		1 x 18W	3,0
16144 0054	**161PX 06L20/1 H50 MA**	18	2.330	600	129	•		2 x 18W	3,0
16144 0061	**161PX 06L12/3 H50 MA**	12	1.410	600	118		•	1 x 18W	3,1
16144 0064	**161PX 06L20/3 H50 MA**	18	2.330	600	129		•	2 x 18W	3,1
16144 0052	**161PX 12L22/1 H50 MA**	17	2.440	600	144	•		1 x 36W	4,1
16144 0055	**161PX 12L42/1 H50 MA**	29	4.300	600	148	•		2 x 36W	4,1
16144 0062	**161PX 12L22/3 H50 MA**	17	2.440	600	144		•	1 x 36W	4,2
16144 0065	**161PX 12L42/3 H50 MA**	29	4.300	600	148		•	2 x 36W	4,2
16144 0053	**161PX 15L34/1 H50 MA**	23	3.520	600	153	•		1 x 58W	4,8
16144 0056	**161PX 15L60/1 H50 MA**	41	6.270	600	153	•		2 x 58W	4,8
16144 0063	**161PX 15L34/3 H50 MA**	23	3.520	600	153		•	1 x 58W	4,9
16144 0066	**161PX 15L60/3 H50 MA**	41	6.270	600	153		•	2 x 58W	4,9

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

Note:

For emergency light 161PX H with battery box please please note:

Through-wiring not possible.

Accessories and spare parts please see section „Dustproof/Waterproof LED Light Fitting with Diffuser Series **161PX...** " in our catalogue. When ordering electronic parts or battery sets please always mention the article no. of the respective fitting.