

PROXIMA

Dustproof/Waterproof LED Light Fitting with Diffuser
Serie 161PX... / 161PX... VARIO

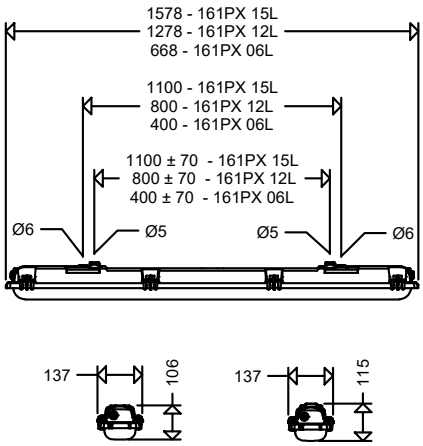
Applications:
Humid, wet and dusty rooms in trade, commerce and industry, multi-storey car parks, underground car parks, cold stores, cold rooms and walk-in cold rooms, covered outdoor areas, etc. (Please enquire in the event of humid, cold ambient conditions with low duty cycles and the presence/ occurrence of chemical substances)

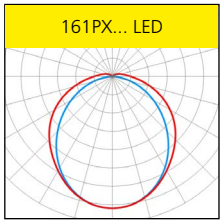
Design:
Housing: Glass fibre reinforced polyester resin, foamed silicone gasket.
Diffuser: Injection-molded acrylic glass, frosted for glare limitation.
Closure: Three-part plastic safety clips (**KKS**) to ensure protection against accidental contact.
Reflector: Aluminium, painted, can be suspended or removed and carries the electrical components.
Connection: 3-pole
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.

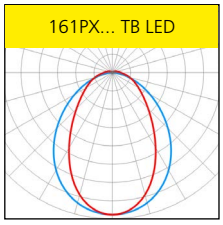
VARIO versions with variable setting of the luminous flux

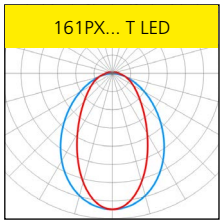
Applications:
Factories in which, for reasons of maximum standardization and economic storage, only one type of damp-proof luminaire is to be used, which can be used for a wide variety of lighting tasks due to its variably adjustable luminous flux.

Design:
But with integrated DIP switch for setting the luminous flux without tools. The luminous flux of the luminaire can be adjusted as required. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.









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 (-40 °C for types ...T40) up to ..°C see article table

Options:

- 2,200 K, 2,700 K, 3,000 K, 5,000 K, 6,500 K; light colours (**822, 827, 830, 850, 865**)
- 1,800 K; light colour (**518**), amber for insect-conscious lighting in outdoor areas etc.
- high colour rendering index Ra > 90
- coloured LEDs, for signal applications
- green LEDs, for lighting potato stores
- through-wiring (**DV**)
- cable entry M25 x 1,5 mm²
- rear cable entry
- cover made of polycarbonate (**PC**), frosted
- stainless steel clips (**KE**)
- protection class II (**SKII**)
- vibration-resistant design
- additional overvoltage protection

Options Luminous flux adjustment / Lighting control / Lighting management:

- power reduction with control phase (**LR**)
- constant luminous flux function (**CL**)

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).



Product highlights of the VARIO version:

- **universally usable due to variable setting of the luminous flux**, depending on the requirement
- **simple and quick adjustment on-site without tools**
- **can be changed at any time** (e.g. change of use of the premises with new requirements in regard to the level of illumination)
- **maximum standardisation and most economical warehousing**

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

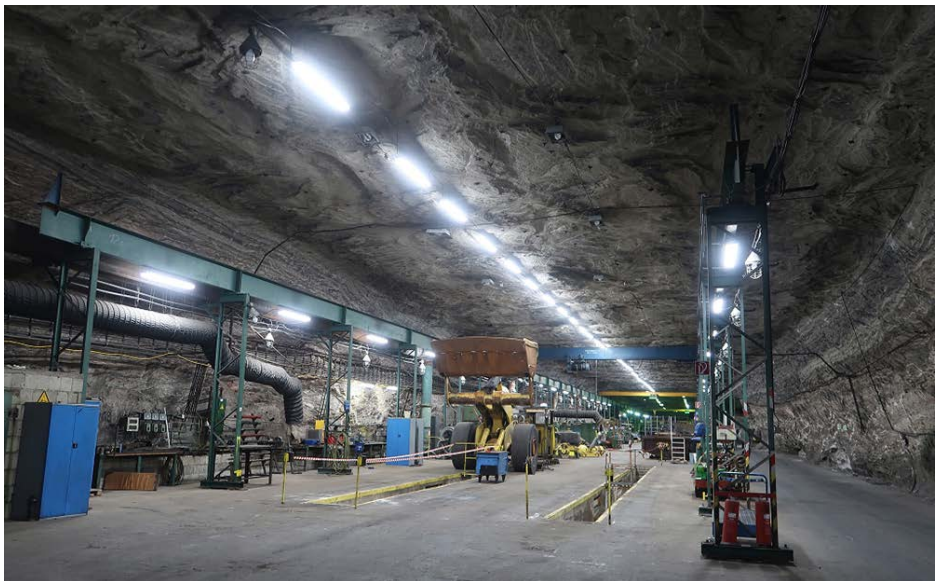
! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

161PX... / 161PX... VARIO

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
16130 0001	**161PX 06L12**	1	10	1.410	141	40	1 x 18W	1,7
16130 0004	**161PX 06L20**	1	16	2.330	146	40	2 x 18W	1,7
16130 0002	**161PX 12L22**	1	15	2.440	163	40	1 x 36W	2,8
16130 0005	**161PX 12L42**	1	27	4.300	159	40	2 x 36W	2,8
16130 0007	**161PX 12L60**	1	39	6.070	156	40	2 x 58W	2,8
16130 0009	**161PX 12L120**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,1
16130 0003	**161PX 15L34**	1	21	3.520	168	40	1 x 58W	3,4
16130 0006	**161PX 15L60**	1	39	6.270	161	40	2 x 58W	3,4
16130 0008	**161PX 15L75**	1	49	7.590	155	40	> 2 x 58W	3,4
16130 0010	**161PX 15L150**	1	93	15.180	163	35	4 x 58W	3,7
16130 0127	**161PX 15L200**	1	122	19.400	159	35	6 x 58W	4,2
16130 0090	**161PX 12L VARIO**	1	11	1.660	151	45	1 x 18W	2,8
			15	2.440	163	40	1 x 36W	
			22	3570[1)]	162	40	1 x 58W	
			27	4.330	160	40	2 x 36W	
			39	6.070	156	35	2 x 58W	

1) Factory setting



161PX... DIMD

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.

16130 0011	**161PX 06L12 DIMD**	1	10	1.410	141	40	1 x 18W	1,7
16130 0014	**161PX 06L20 DIMD**	1	16	2.330	146	40	2 x 18W	1,7
16130 0012	**161PX 12L22 DIMD**	1	15	2.440	163	40	1 x 36W	2,8
16130 0015	**161PX 12L42 DIMD**	1	27	4.300	159	40	2 x 36W	2,8
16130 0017	**161PX 12L60 DIMD**	1	39	6.070	156	40	2 x 58W	2,8
16130 0019	**161PX 12L120 DIMD**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,1
16130 0013	**161PX 15L34 DIMD**	1	21	3.520	168	40	1 x 58W	3,4
16130 0016	**161PX 15L60 DIMD**	1	39	6.270	161	40	2 x 58W	3,4
16130 0018	**161PX 15L75 DIMD**	1	49	7.590	155	40	> 2 x 58W	3,4
16130 0020	**161PX 15L150 DIMD**	1	93	15.180	163	35	4 x 58W	3,7
16130 0129	**161PX 15L200 DIMD**	1	122	19.400	159	35	6 x 58W	4,2

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



161PX... DIMC/SENS - General information

Applications:
Areas in which the lighting is controlled via motion sensors or door contacts, e.g. storage areas, rack aisles, parking garages etc.
SENS luminaires: are controlled by L' and can generate L'
DIMC luminaires: are controlled by L'

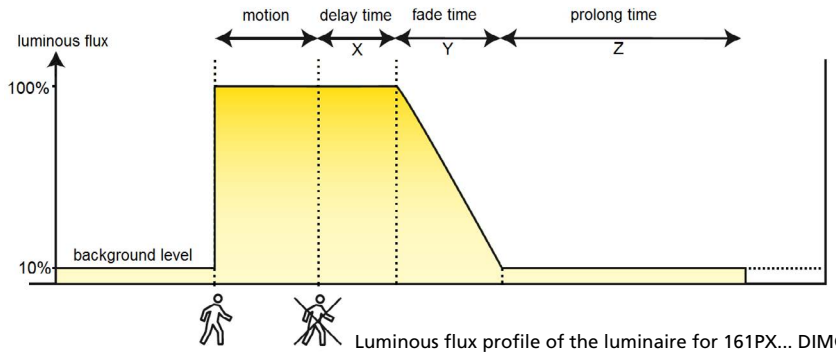
Design:
As standard version but with DALI-2 ECG and additional terminal point, labeled L', optionally with HF sensor (SENS types), see table.

	Clamping point L'	powerless switching	Integrated sensor	Switches off after 30 minutes
161PX... DIMC	x	x	–	–
161PX... DIMC-Z30	x	x	–	x
161PX... SENS	x	x	x	–
161PX... SENS-Z30	x	x	x	x

Product highlights:

- simple installation and commissioning
- no software or apps required for operation
- only one mains-insulated control cable is required
- "Stand-alone operation" of the SENS luminaires possible, no control phase is required for this
- large energy saving potential through
  – Power consumption reduced by up to 90 % in dimming mode
  – shorter operating time for Z30 versions
- no gateway required
- use of external sensors possible

Technical data:
Control: Any number of DIMC or SENS luminaires can be controlled via the control phase of the SENS luminaires. Switching is powerless. If movement is no longer detected by a SENS luminaire or an external sensor detected (depending on the set hold time), the control phase switches to 0 V and all luminaires connected to the control phase dim to 10 % (factory setting). Please observe the installation instructions in the Technical Supplement.
Programming: the following parameters, among others, can be changed on the LED control gear via the NFC interface: Luminous flux, dimming ramp, switch-off time.
Programming can be done via smartphone and free app.
Detection range of the HF sensor: Depending on the light point height, the detection range is 1-5 m:
– Light point height approx. 2.5 m: Detection area approx. 3 m diameter
– Light point height approx. 5 m: Detection area max. 5 m diameter
Structures such as concrete pillars can restrict the detection area. Materials such as drywall can be penetrated.
Factory settings:
– Standard sensor hold time (X): 5 minutes can be set (see setting options), only for SENS types
– Dimming ramp (Y): 30 seconds, for DIMC and SENS types
– Reduced operation (L' = 0 V): 10 % luminous flux if no activity is detected, for SENS and DIMC types
– Automatic switch-off deactivated (Z), luminaire never switches off.
– For further information, see illustration "Luminous flux profile of the luminaire" for 161PX... DIMC.
Setting options for SENS luminaires: Via potentiometer on the sensor or optionally via IR remote control (article number 90295 9000):
– Sensitivity of the sensor to avoid unwanted detections in the edge area
– Hold time of the sensor from 10 seconds to 30 minutes, with IR remote control up to 60 minutes
Ambient temperature: -20 °C to see table



Luminous flux profile of the luminaire for 161PX... DIMC

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

161PX... DIMC

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dimmable via Corridor Mode

Factory settings DIMC types:
– Automatic switch-off deactivated, light never switches off.

16130 0022	**161PX 12L22 DIMC**	1	15	2.440	163	40	1 x 36W	2,8
16130 0025	**161PX 12L42 DIMC**	1	27	4.300	159	40	2 x 36W	2,8
16130 0027	**161PX 12L60 DIMC**	1	39	6.070	156	40	2 x 58W	2,8
16130 0029	**161PX 12L120 DIMC**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,1
16130 0023	**161PX 15L34 DIMC**	1	21	3.520	168	40	1 x 58W	3,4
16130 0026	**161PX 15L60 DIMC**	1	39	6.270	161	40	2 x 58W	3,4
16130 0028	**161PX 15L75 DIMC**	1	49	7.590	155	40	> 2 x 58W	3,4
16130 0030	**161PX 15L150 DIMC**	1	93	15.180	163	35	4 x 58W	3,7
16130 0130	**161PX 15L200 DIMC**	1	122	19.400	159	35	6 x 58W	4,2

161PX... DIMC-Z30

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dimmable via Corridor Mode and automatic switch-off function (30 minutes)

Factory settings different from DIMC-Z30 types:
– Automatic switch-off activated: 30 minutes 10 % background level, then standby mode (0 %).

16130 0032	**161PX 12L22 DIMC-Z30**	1	15	2.440	163	40	1 x 36W	2,8
16130 0035	**161PX 12L42 DIMC-Z30**	1	27	4.300	159	40	2 x 36W	2,8
16130 0037	**161PX 12L60 DIMC-Z30**	1	39	6.070	156	40	2 x 58W	2,8
16130 0039	**161PX 12L120 DIMC-Z30**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,1
16130 0033	**161PX 15L34 DIMC-Z30**	1	21	3.520	168	40	1 x 58W	3,4
16130 0036	**161PX 15L60 DIMC-Z30**	1	39	6.270	161	40	2 x 58W	3,4
16130 0038	**161PX 15L75 DIMC-Z30**	1	49	7.590	155	40	> 2 x 58W	3,4
16130 0040	**161PX 15L150 DIMC-Z30**	1	93	15.180	163	35	4 x 58W	3,7
16130 0131	**161PX 15L200 DIMC-Z30**	1	122	19.400	159	35	6 x 58W	4,2



161PX... SENS

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DIMC version with integrated motion sensor

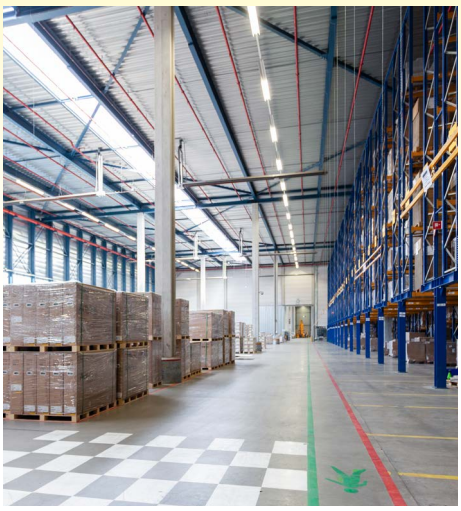
Design:
As DIMC version, but with integrated motion sensor. As a master luminaire, the luminaire can control all DIMC luminaires connected to it.

Factory settings SENS types:
– Automatic switch-off deactivated, light never switches off.

16130 0042	**161PX 12L22 SENS**	1	15	2.440	163	40	1 x 36W	2,9
16130 0045	**161PX 12L42 SENS**	1	27	4.300	159	40	2 x 36W	2,9
16130 0047	**161PX 12L60 SENS**	1	39	6.070	156	40	2 x 58W	2,9
16130 0049	**161PX 12L120 SENS**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,2
16130 0043	**161PX 15L34 SENS**	1	21	3.520	168	40	1 x 58W	3,5
16130 0046	**161PX 15L60 SENS**	1	39	6.270	161	40	2 x 58W	3,5
16130 0048	**161PX 15L75 SENS**	1	49	7.590	155	40	> 2 x 58W	3,5
16130 0050	**161PX 15L150 SENS**	1	93	15.180	163	35	4 x 58W	3,8
16130 0132	**161PX 15L200 SENS**	1	122	19.400	159	35	6 x 58W	4,2

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

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



161PX... SENS-Z30

DIMC-Z30 version with integrated motion sensor and automatic switch-off (30 minutes)

Design:
As DIMC-Z30 version, but with integrated motion sensor. As a master luminaire, the luminaire can control all DIMC-Z30 luminaires connected to it.

Factory settings SENS-Z30 types:
- Automatic switch-off activated: 30 minutes 10 % background level, then standby mode (0 %).

16130 0052	**161PX 12L22 SENS-Z30**	1	15	2.440	163	40	1 x 36W	2,9
16130 0055	**161PX 12L42 SENS-Z30**	1	27	4.300	159	40	2 x 36W	2,9
16130 0057	**161PX 12L60 SENS-Z30**	1	39	6.070	156	40	2 x 58W	2,9
16130 0059	**161PX 12L120 SENS-Z30**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,2
16130 0053	**161PX 15L34 SENS-Z30**	1	21	3.520	168	40	1 x 58W	3,5
16130 0056	**161PX 15L60 SENS-Z30**	1	39	6.270	161	40	2 x 58W	3,5
16130 0058	**161PX 15L75 SENS-Z30**	1	49	7.590	155	40	> 2 x 58W	3,5
16130 0060	**161PX 15L150 SENS-Z30**	1	93	15.180	163	35	4 x 58W	3,8
16130 0133	**161PX 15L200 SENS-Z30**	1	122	19.400	159	35	6 x 58W	4,2



161PX... CS

with smart LIMAS Air light control via radio

Applications:
Areas where no DALI lines are available or planned, but the luminaires are to be controlled intelligently.

Design:
As standard version, but with CASAMBI®-enabled control gear for smart lighting control.

Explanations on smart light control as well as further system accessories (sensors / switches / pushbuttons etc.) can be found in the catalog section „Light Management - LIMAS Air".

Product highlights:

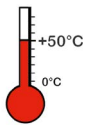
- each individual luminaire separately controllable
- compatible with all LIMAS Air system accessories
- convenient configuration and control via radio using free smartphone app (Android and iOS)
- no gateway and no internet connection required
- extensive portfolio of sensors and actuators
- significant reduction of operating costs and CO_2 reduction

16130 0061	**161PX 12L42 CS**	1	27	4.300	159	40	2 x 36W	2,8
16130 0062	**161PX 15L60 CS**	1	39	6.270	161	40	2 x 58W	3,5

161PX... H50

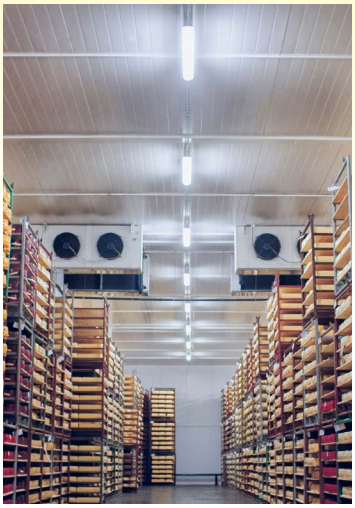
for high ambient temperatures up to +50 °C

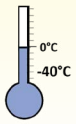
Applications:
Power plants, steel plants, machine-oriented areas, areas with high process waste heat, areas close to the ceiling with accumulating heat etc.



16134 0001	**161PX 06L12 H50**	1	10	1.410	141	50	1 x 18W	1,7
16134 0004	**161PX 06L20 H50**	1	16	2.330	146	50	2 x 18W	1,7
16134 0002	**161PX 12L22 H50**	1	15	2.440	163	50	1 x 36W	2,8
16134 0005	**161PX 12L42 H50**	1	27	4.300	159	50	2 x 36W	2,8
16134 0003	**161PX 15L34 H50**	1	21	3.520	168	50	1 x 58W	3,4
16134 0006	**161PX 15L60 H50**	1	39	6.270	161	50	2 x 58W	3,4

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





161PX... T40

IP65

for ambient temperatures down to -40 °C

Applications:

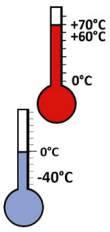
Cooling chambers, frozen food stock etc.

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
16134 0012	**161PX 12L22 T40**	1	15	2.440	163	40	1 x 36W	2,8
16134 0015	**161PX 12L42 T40**	1	27	4.300	159	40	2 x 36W	2,8
16134 0013	**161PX 15L34 T40**	1	21	3.520	168	40	1 x 58W	3,4
16134 0016	**161PX 15L60 T40**	1	39	6.270	161	40	2 x 58W	3,4

161PX... T40 / H..

IP65

for wide temperature ranges from -40 °C up to +60°C / 70°C



Applications:

Climatic chambers, material container, test benches in the automotive industry, regions with extreme temperature fluctuations etc.

Design:

As standard version, but:

Diffuser: Injection-molded polycarbonate, frosted for glare limitation.

Closure clips: Stainless steel (**KE**), incl. 2 safety clips (**KES**) to ensure protection against contact.

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
16134 0022	**161PX 12L22 T40 H70**	1	15	2.440	163	70	1 x 36W	2,8
16134 0025	**161PX 12L42 T40 H70**	1	27	4.300	159	70	2 x 36W	2,8
16134 0023	**161PX 15L34 T40 H70**	1	21	3.520	168	70	1 x 58W	3,4
16134 0026	**161PX 15L60 T40 H60**	1	39	6.270	161	60	2 x 58W	3,4

Notes:

The light fitting is **not suitable** for use in extremely exposed locations with high mechanical stress (wind load) or infrequent or occasional use (e.g. maintenance or inspection lighting).

For use in extremely exposed locations with high mechanical loads (wind load), we recommend our **series 144 ... AUS** or **107 ... G2 (PRIMO XR)**.

For infrequent or occasional use, we recommend our **series 107 ... G2 (PRIMO XR)**.

When mounting the light fittings on bracket poles or tubular beams/pipes always use original SCHUCH pipe clamps with support (see accessories).

161PX... AUS / 161PX VARIO AUS

IP65

for application in unprotected outdoor areas

Applications:

In protected and unprotected outdoor areas and industrial plants, mounted to walls, ceilings, catwalks and steel structures, pipe brackets, grating, under canopies, bus stops, train stations, subways, construction sites, etc.

Design:

As type 161PX..., but:

Diffuser: UV proof

Pressure compensation element: M20

Entries: 2 glands M20 at one small side, pressure compensation element M20 at the other small side, 1 screw plug M20.

Mounting:

Ceiling and horizontal wall mount or mounting to outreaches, poles, steel structures, catwalks, etc. by means of pipe clamps. For vertical mounting please consult us.

Advantages of the AUS design:

- glass fibre reinforced polyester housing, durable resistant against UV-radiation and chemical components
- our injection-molded PMMA-covers are extremely UV-resistant and robust (wall thickness 2.0 mm)
- gasket are UV-, ozone-, weather-, chemically resistant and non-aging
- pressure compensation element provides controlled venting and thus protects against condensation
- the fitting can be installed in canopied as well as in entirely open outdoor areas



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
16131 0001	**161PX 06L12 AUS**	1	10	1.410	141	40	1 x 18W	1,7
16131 0004	**161PX 06L20 AUS**	1	16	2.330	146	40	2 x 18W	1,7
16131 0002	**161PX 12L22 AUS**	1	15	2.440	163	40	1 x 36W	2,8
16131 0005	**161PX 12L42 AUS**	1	27	4.300	159	40	2 x 36W	2,8
16131 0007	**161PX 12L60 AUS**	1	39	6.070	156	40	2 x 58W	2,8
16131 0009	**161PX 12L120 AUS**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,1
16131 0003	**161PX 15L34 AUS**	1	21	3.520	168	40	1 x 58W	3,4
16131 0006	**161PX 15L60 AUS**	1	39	6.270	161	40	2 x 58W	3,4
16131 0008	**161PX 15L75 AUS**	1	49	7.590	155	40	> 2 x 58W	3,4
16131 0010	**161PX 15L150 AUS**	1	93	15.180	163	35	4 x 58W	3,7
16131 0127	**161PX 15L200 AUS**	1	122	19.400	159	35	6 x 58W	4,2
16131 0090	**161PX 12L VARIO AUS**	1	11	1.660	151	45	1 x 18W	2,8
			15	2.440	163	40	1 x 36W	
			22	3570[1)]	162	40	1 x 58W	
			27	4.330	160	40	2 x 36W	
			39	6.070	156	35	2 x 58W	

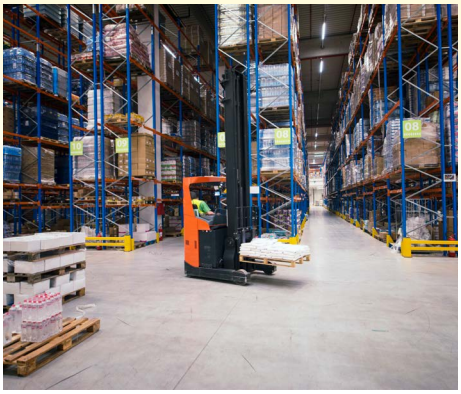
1) Factory setting

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

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

161PX... TB / T

IP65



with optics for rack aisles and workplace lighting

Applications:
High-bay warehouse, rack storage aisles, workplace-related lighting, etc.

Design:
Same as standard versions 161PX..., but with narrow-wide beam (**TB**) or narrow beam (**T**) optics.

16130 0173	**161PX 12L120TB**	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,5
16130 0174	**161PX 15L150T**	1	93	15.180	163	35	4 x 58W	4,2
16130 0175	**161PX 15L200T**	1	122	19.400	159	35	6 x 58W	4,7

Product highlights[1]:

- up to 30 % fewer luminaires compared to versions without optics
- up to 30 % energy cost savings
- up to 45% larger luminaire spacing
- significantly lower installation costs

[1] Basis: Lighting design for 12 m high-bay warehouse, aisle width 3 m, luminaire type 161PX 15L200T

Note:
The light fittings in Version IFS are not suitable for cleaning with cleaning agents or disinfectants as well as the cleaning with water-jet units.

161PX... IFS

IP65



for application in food industry areas

Applications:
Food industry or food processing factories, suppliers to the food industry who are falling in the International Featured Standard Food, BRC, HACCP or who are subject to comparably strict requirements.

Design:
Same as type 161PX... but:
Diffuser: **cover Polycarbonate, frosted.**
Closure clips: Stainless steel (**KE**), incl. 2 safety clips (**KES**) to ensure protection against contact.

16132 0001	**161PX 06L12 IFS**	1	10	1.410	141	40	1 x 18W	1,7
16132 0004	**161PX 06L20 IFS**	1	16	2.330	146	40	2 x 18W	1,7
16132 0002	**161PX 12L22 IFS**	1	15	2.440	163	40	1 x 36W	2,8
16132 0005	**161PX 12L42 IFS**	1	27	4.300	159	40	2 x 36W	2,8
16132 0007	**161PX 12L60 IFS**	1	39	6.070	156	40	2 x 58W	2,8
16132 0009	**161PX 12L120 IFS**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,1
16132 0003	**161PX 15L34 IFS**	1	21	3.520	168	40	1 x 58W	3,4
16132 0006	**161PX 15L60 IFS**	1	39	6.270	161	40	2 x 58W	3,4
16132 0008	**161PX 15L75 IFS**	1	49	7.590	155	40	> 2 x 58W	3,4
16132 0010	**161PX 15L150 IFS**	1	93	15.180	163	35	4 x 58W	3,7
16132 0127	**161PX 15L200 IFS**	1	122	19.400	159	35	6 x 58W	4,2

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

IFS/BRC/VDMA/HACCP
SCHUCH Light Fittings designed for food and beverage industry applications are in accordance with IFS/BRC/VDMA standards. They can be operated without restrictions in operations that must fulfill the HACCP Concept.

Why use PC covers for IFS luminaires?
– splinter-free (in contrast to PMMA)
– risk minimisation, no risk of food contamination (see IFS Standard Food Issue 8, chapter 4.12 risk minimisation)
– extension of the inspection intervals in the risk zones of production

Note:
The diffusers of all 161PX... LM luminaires are made from 45% bio-based plastics.



Note:
The colour rendering index Ra does not incorporate the remaining part (R9) in the light spectrum. The standard light colour 840 has only a minor R9 value. For meat processing factories, we recommend the use of our light fitting with light colour 940 (special version), which emits a bigger amount of red light.

161PX... LM / 161PX... VARIO LM

IP65

for application in food areas

Applications:
Food industry or food processing factories especially in risky areas of the food production or processing, suppliers to the food industry who are falling in the International Featured Standard Food, BRC or HACCP standards or who are subject to comparably strict requirements (e.g. production of food packaging).

Design:
Same as type 161PX... but:
Diffuser: Shatterproof, high chemical resistance, elements for glare limitation mounted to the reflector.
Closure clips: Stainless steel (**KE**), incl. 2 safety clips (**KES**) to ensure protection against contact.

Advantages of the LM version:

- **shatterproof diffuser with very high impact resistance (16 Nm!)** even at a high continuous operating temperature
- **resistant to grease and aggressive cleaning agents, disinfectants and solvents** (we recommend the respective cleaning agents and disinfectants to be tested on their resistance. Resistance index on request.)
- Risk minimisation, **no risk of food contamination** (see IFS Standard Food Issue 8, Chapter 4.12 Risk minimisation)
- **Extension of the inspection** intervals in the risk zones of production

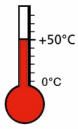
IFS / BRC / VDMA / HACCP
SCHUCH Light Fittings designed for food and beverage industry applications are in accordance with IFS / BRC / VDMA standards. They can be operated without restrictions in operations that must fulfill the HACCP Concept.

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
16132 0021	**161PX 06L12 LM**	1	10	1.410	141	40	1 x 18W	1,7
16132 0024	**161PX 06L20 LM**	1	16	2.330	146	40	2 x 18W	1,7
16132 0022	**161PX 12L22 LM**	1	15	2.440	163	40	1 x 36W	2,8
16132 0025	**161PX 12L42 LM**	1	27	4.300	159	40	2 x 36W	2,8
16132 0027	**161PX 12L60 LM**	1	39	6.070	156	40	2 x 58W	2,8
16132 0029	**161PX 12L120 LM**	1	77	12.140	158	35	2 x 80 bzw. 3 x 58W	3,1
16132 0023	**161PX 15L34 LM**	1	21	3.520	168	40	1 x 58W	3,4
16132 0026	**161PX 15L60 LM**	1	39	6.270	161	40	2 x 58W	3,4
16132 0028	**161PX 15L75 LM**	1	49	7.590	155	40	> 2 x 58W	3,4
16132 0030	**161PX 15L150 LM**	1	93	15.180	163	35	4 x 58W	3,7
16132 0128	**161PX 15L200 LM**	1	122	19.400	159	35	6 x 58W	4,2
16132 0090	**161PX 12L VARIO LM**	1	11	1.660	151	45	1 x 58W	2,8
			15	2.440	163	40	1 x 36W	
			22	3570[1)]	162	40	1 x 58W	
			27	4.330	160	40	2 x 36W	
			39	6.070	156	35	2 x 58W	

161PX... LM H50

IP65

for high ambient temperatures up to +50 °C

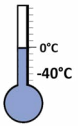


16132 0041	**161PX 06L12 LM H50**	1	10	1.410	141	50	1 x 18W	1,7
16132 0044	**161PX 06L20 LM H50**	1	16	2.330	146	50	2 x 18W	1,7
16132 0042	**161PX 12L22 LM H50**	1	15	2.440	163	50	1 x 36W	2,8
16132 0045	**161PX 12L42 LM H50**	1	27	4.300	159	50	2 x 36W	2,8
16132 0043	**161PX 15L34 LM H50**	1	21	3.520	168	50	1 x 58W	3,4
16132 0046	**161PX 15L60 LM H50**	1	39	6.270	161	50	2 x 58W	3,4

161PX... LM T40

IP65

for ambient temperatures down to -40 °C



16132 0052	**161PX 12L22 LM T40**	1	15	2.440	163	40	1 x 36W	2,8
16132 0055	**161PX 12L42 LM T40**	1	27	4.300	159	40	2 x 36W	2,8
16132 0053	**161PX 15L34 LM T40**	1	21	3.520	168	40	1 x 58W	3,4
16132 0056	**161PX 15L60 LM T40**	1	39	6.270	161	40	2 x 58W	3,4

1) Factory setting

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

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

161PX... HE



highly efficient design for reduced energy consumption

Note:
All 161PX... HE luminaires contain a light source with energy efficiency class A.

16130 0140	**161PX 12L42 HE**	1	22	4.050	184	40	2 x 36W	2,8
16130 0141	**161PX 12L60 HE**	1	35	6.390	183	40	2 x 58W	2,8
16130 0142	**161PX 12L90 HE**	1	52	9.500	183	40	< 3 x 58W	2,8
16130 0143	**161PX 12L120 HE**	1	69	12.610	183	40	2 x 80 bzw. 3 x 58W	2,8
16130 0144	**161PX 15L34 HE**	1	19	3.690	194	40	1 x 58W	3,4
16130 0145	**161PX 15L60 HE**	1	32	6.040	189	40	2 x 58W	3,4
16130 0146	**161PX 15L75 HE**	1	43	7.980	186	40	> 2 x 58W	3,4
16130 0147	**161PX 15L120 HE**	1	70	12.840	183	40	2 x 80 bzw. 3 x 58W	3,4
16130 0148	**161PX 15L150 HE**	1	86	15.760	183	40	4 x 58W	3,4

161PX... HE DIMD



dimmable via DALI interface

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

16130 0150	**161PX 12L42 HE DIMD**	1	22	4.050	184	40	2 x 36W	2,8
16130 0151	**161PX 12L60 HE DIMD**	1	35	6.390	183	40	2 x 58W	2,8
16130 0152	**161PX 12L90 HE DIMD**	1	52	9.500	183	40	< 3 x 58W	2,8
16130 0153	**161PX 12L120 HE DIMD**	1	69	12.610	183	40	2 x 80 bzw. 3 x 58W	2,8
16130 0154	**161PX 15L34 HE DIMD**	1	19	3.690	194	40	1 x 58W	3,4
16130 0155	**161PX 15L60 HE DIMD**	1	32	6.040	189	40	2 x 58W	3,4
16130 0156	**161PX 15L75 HE DIMD**	1	43	7.980	186	40	> 2 x 58W	3,4
16130 0157	**161PX 15L120 HE DIMD**	1	70	12.840	183	40	2 x 80 bzw. 3 x 58W	3,4
16130 0158	**161PX 15L150 HE DIMD**	1	86	15.760	183	40	4 x 58W	3,4

NEW

161PX... HL



for particularly humid rooms

Applications:
Agricultural storage (vegetables, potatoes, etc.), wine cellars, technical areas in drinking water supply systems, areas with very high humidity and predominantly short operating times.

Design:
As standard version 161PX..., but with corrosion-protected components.
Cable entry: 2 M20 screws connection on one end, 2 M20 screws plug on the other end.

Note:
Select series PRIMO XR for condensation on ceilings/ walls.

Product highlights:
- specially designed for high humidity with predominantly short operating times
- corrosion-proof encapsulated ECG
- highly resistant LED modules with additional protective coating

16135 0005	**161PX 12L42 HL**	1	23	3.900	170	40	2 x 36W	2,8
16135 0006	**161PX 15L60 HL**	1	37	6.000	162	40	2 x 58W	3,4

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

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

161PX... ER / HR (RESISTANT)

IP65

for use in hazardous areas

Applications:
Areas in trade, trade and industry with corrosive atmospheres or craft gases and vapors that can damage the LED up to and including total failure, e.g. chemical industry, galvanizing plants, electroplating plants, foundries, tire production and storage, paper mills, sewage treatment plants, waste incineration plants etc. Advice on request.

Design:
Like the standard version, but with modifications for increased (**ER**) or high (**HR**) protection against corrosive atmospheres or harmful gases.

Note:
See notes in the technical appendix, chapter 4.4.



16133 0001	**161PX 06L12 ER**	1	10	1.340	134	40	1 x 18W	1,7
16133 0004	**161PX 06L20 ER**	1	16	2.370	148	40	2 x 18W	1,7
16133 0002	**161PX 12L22 ER**	1	15	2.380	159	40	1 x 36W	2,8
16133 0005	**161PX 12L42 ER**	1	27	4.430	164	40	2 x 36W	2,8
16133 0007	**161PX 12L60 ER**	1	39	6.200	159	40	2 x 58W	2,8
16133 0009	**161PX 12L120 ER**	1	77	12.040	156	35	2 x 80 bzw. 3 x 58W	3,1
16133 0003	**161PX 15L34 ER**	1	21	3.430	163	40	1 x 58W	3,4
16133 0006	**161PX 15L60 ER**	1	39	6.440	165	40	2 x 58W	3,4
16133 0008	**161PX 15L75 ER**	1	49	7.780	159	40	> 2 x 58W	3,4
16133 0010	**161PX 15L150 ER**	1	93	14.960	161	35	4 x 58W	3,7
16133 0011	**161PX 06L12 HR**	1	10	1.340	134	40	1 x 18W	2,0
16133 0014	**161PX 06L20 HR**	1	16	2.370	148	40	2 x 18W	2,0
16133 0012	**161PX 12L22 HR**	1	15	2.380	159	40	1 x 36W	3,1
16133 0015	**161PX 12L42 HR**	1	27	4.430	164	40	2 x 36W	3,1
16133 0017	**161PX 12L60 HR**	1	39	6.200	159	40	2 x 58W	3,1
16133 0019	**161PX 12L120 HR**	1	77	12.040	156	35	2 x 80 bzw. 3 x 58W	3,8
16133 0013	**161PX 15L34 HR**	1	21	3.430	163	40	1 x 58W	3,7
16133 0016	**161PX 15L60 HR**	1	39	6.440	165	40	2 x 58W	3,7
16133 0018	**161PX 15L75 HR**	1	49	7.780	159	40	> 2 x 58W	3,7
16133 0020	**161PX 15L150 HR**	1	93	14.960	161	35	4 x 58W	4,3

161PX... FC

IP65

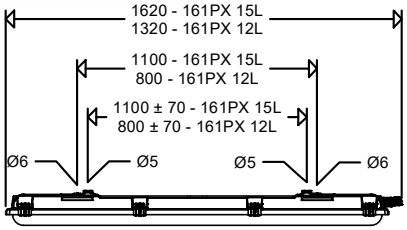
with quick mounting system

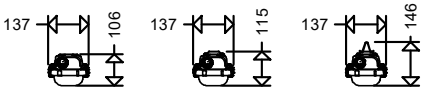
Design: Same as standard but, **with pre-assembled quick mounting system (FastFix) and quick connection plug (FastConnect)**, for 3-pole connecting cable up to 2.5 mm² (Ø 7.5 – 12.5 mm)

Advantages of the FastConnect version:

- quick connection plug with pre-assembled strain relief
- installation and electrical connection without opening the light fitting





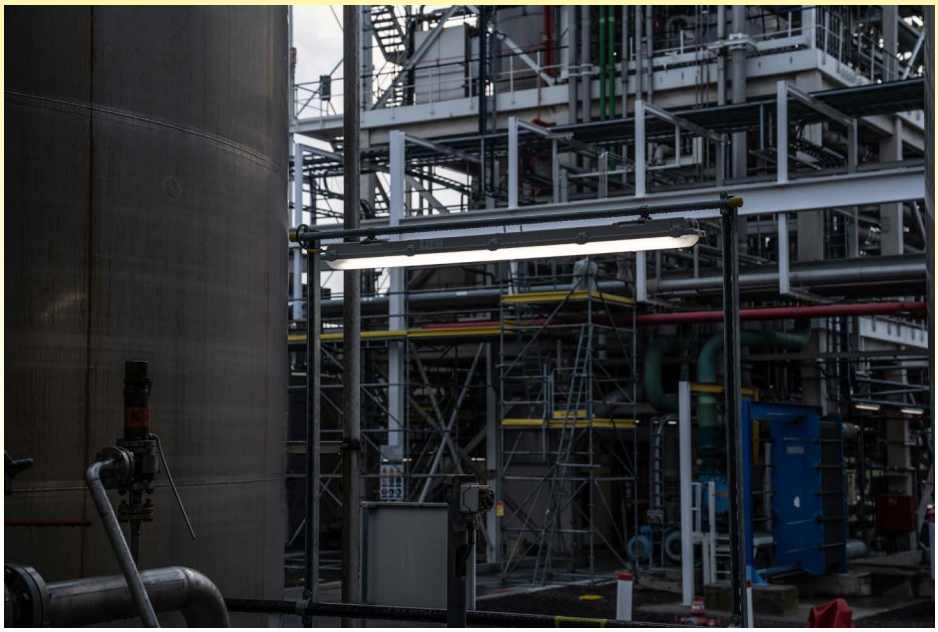


16130 0192	**161PX 12L22 FC**	1	15	2.440	163	40	1 x 36W	2,8
16130 0193	**161PX 12L42 FC**	1	27	4.300	159	40	2 x 36W	2,8
16130 0194	**161PX 15L34 FC**	1	21	3.520	168	40	1 x 58W	3,4
16130 0195	**161PX 15L60 FC**	1	39	6.270	161	40	2 x 58W	3,4

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

Note:
The FC version can be supplied together with various special versions. The maximum possible ambient temperature is 50 °C.

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



Accessories / Spare Parts

Article no.	Type		Article no	Type	
spare glasses, PMMA frosted			**spare glasses, PC frosted**		
16111 9040	**ABD 161PX 06**		16111 9043	**ABD 161PX 06 PC**	
16111 9041	**ABD 161PX 12**		16111 9044	**ABD 161PX 12 PC**	
16111 9042	**ABD 161PX 15**		16111 9045	**ABD 161PX 15 PC**	
spare glasses LM-version					
16111 9046	**ABD 161PX 06 LM**				
16111 9047	**ABD 161PX 12 LM**				
16111 9048	**ABD 161PX 15 LM**				
Fasteners					
90053 9009	**KKS FR VE10**	plastic safety clips (packing unit 10 pcs.)			
90055 9007	**KE/KES G2 VE10**	stainless steel clips, incl. 2 safety clips (packing unit 10 pcs.)			
90053 9004	**KKS P**	1 pair of safety clips (for LED version), plastic			
90055 9006	**KES G2 P**	1 pair of safety clips (for LED version), stainless steel			
Cable entries/pressure compensation elements					
90063 9000	**2511**	blanking plug M20			
25610 9000	**2561**	plastic cable gland M20 x 1,5			
25600 9000	**2560**	plastic cable gland M25 x 1,5			
90259 9002	**DAE20**	pressure compensation element M20			
90259 9003	**DAE 20/25**	adapter gland M20 -> M25 with pressure compensation			
Mounting accessories					
90049 9000	**HK 161PX P**	1 pair of retaining clips (stainless steel) for variable mounting			
Pipe clamps					
90094 0005	**183 RO 112 A P SD**	2 pcs., 1 1/2" stainless steel, with support			
90094 0006	**183 RO 2 A P SD**	2 pcs., 2" stainless steel, with support			
Consider mounting distances when installing the light fittings by pipe clamps to pole outreaches or any brackets.					
Swivel arm mounting					
90303 9000	**SWABF 161PX E4 P**	1 pair of swivel arm mountings, stainless steel A4			

SWABF 161PX E4 P

