



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.

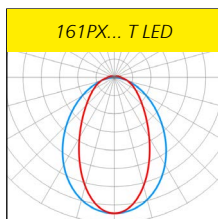
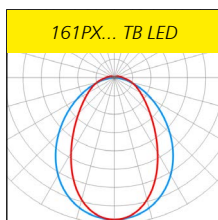
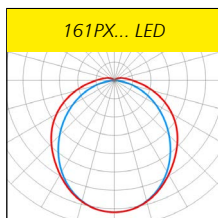
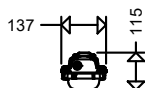
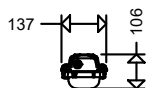
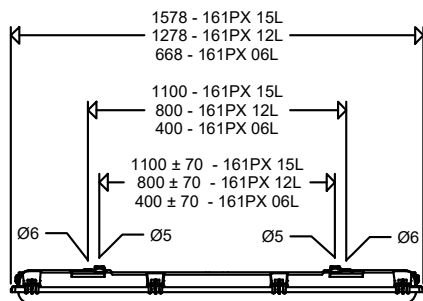
VARIO versions with variable setting of the luminous flux

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:

As standard version but with DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to almost any value between 1,590 lm and 5,900 lm. 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 at 25 °C ambient temperature, service life L_{80} > 70,000 h and L_{70} > 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-friendly lighting in outdoor areas etc.
- high colour rendering index R_a > 90
- green LEDs, for lighting potato stores
- coloured LEDs, for signal applications
- through-wiring (DV)
- FastConnect (FC), quick-connector
- 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
- power reduction with control phase (LR)
- constant luminous flux function (CL)
- additional overvoltage protection

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
- sustainable, control gear and LED-module replaceable by qualified personnel on-site
- future proof by using standardized 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	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
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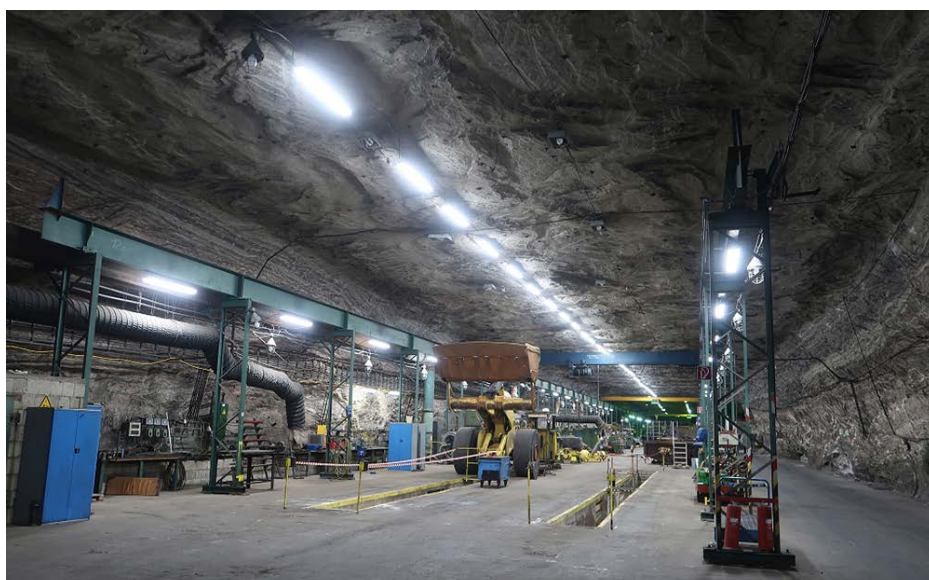
161PX... / 161PX... VARIO



16130 0001	161PX 06L12	1	10	1.340	134	40	1 x 18W	1,7
16130 0004	161PX 06L20	1	16	2.260	141	40	2 x 18W	1,7
16130 0002	161PX 12L22	1	15	2.380	159	40	1 x 36W	2,8
16130 0005	161PX 12L42	1	27	4.220	156	40	2 x 36W	2,8
16130 0007	161PX 12L60	1	39	5.900	151	40	2 x 58W	2,8
16130 0009	161PX 12L120	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,1
16130 0003	161PX 15L34	1	21	3.430	163	40	1 x 58W	3,4
16130 0006	161PX 15L60	1	39	6.130	157	40	2 x 58W	3,4
16130 0008	161PX 15L75	1	49	7.410	151	40	> 2 x 58W	3,4
16130 0010	161PX 15L150	1	93	14.250	153	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		11	1.590	145	45	1 x 18W	2,8
			15	2.380	159	40	1 x 36W	
			22	3.400 ²⁾	155	40	1 x 58W	
			27	4.220	156	40	2 x 36W	
			39	5.900	151	35	2 x 58W	

1) Examples of possible settings
2) Factory setting

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



Dustproof/Waterproof
Light Fittings

161PX... DIMD



dimmable via DALI interface

Design:

Same as standard version, but with DALI2-ECG and 2 additional clamping points. Dimming range 1-100 %.
Compatible with LIMAS Line Light Management System.

16130 0011	161PX 06L12 DIMD	1	10	1.340	134	40	1 x 18W	1,7
16130 0014	161PX 06L20 DIMD	1	16	2.260	141	40	2 x 18W	1,7
16130 0012	161PX 12L22 DIMD	1	15	2.380	159	40	1 x 36W	2,8
16130 0015	161PX 12L42 DIMD	1	27	4.220	156	40	2 x 36W	2,8
16130 0017	161PX 12L60 DIMD	1	39	5.900	151	40	2 x 58W	2,8
16130 0019	161PX 12L120 DIMD	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,1
16130 0013	161PX 15L34 DIMD	1	21	3.430	163	40	1 x 58W	3,4
16130 0016	161PX 15L60 DIMD	1	39	6.130	157	40	2 x 58W	3,4
16130 0018	161PX 15L75 DIMD	1	49	7.410	151	40	> 2 x 58W	3,4
16130 0020	161PX 15L150 DIMD	1	93	14.250	153	35	4 x 58W	3,7
16130 0129	161PX 15L200 DIMD	1	122	19.400	159	35	6 x 58W	4,2

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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 DIM ECG and additional terminal point, labeled L', optionally with HF sensor (SENS types), see table.

	Clamping point L'	wireless 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. 0.5 - 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:

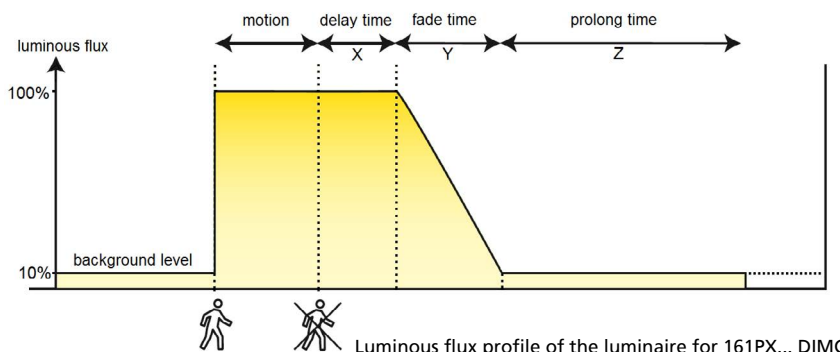
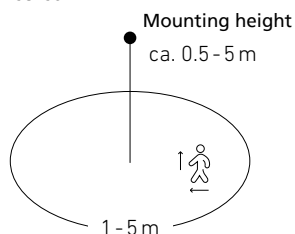
- Standard sensor hold time (X): 5 minutes can be set (see setting options), only for SENS types
- Dimming ramp (Y): 30 seconds, for DIMC and SENS types
- Reduced operation (L' = 0V): 10 % luminous flux if no activity is detected, for SENS and DIMC types
- Automatic switch-off deactivated (Z), luminaire 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

Detection range of sensor



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
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161PX... DIMC



Note:

Since the switching capabilities of LED modules and control devices are limited, dimming without switching of the light fitting completely will result in a much longer life of the light fitting.

Factory settings DIMC types:

– Automatic switch-off deactivated, light never switches off.

16130 0022	161PX 12L22 DIMC	1	15	2.380	159	40	1 x 36W	2,8
16130 0025	161PX 12L42 DIMC	1	27	4.220	156	40	2 x 36W	2,8
16130 0027	161PX 12L60 DIMC	1	39	5.900	151	40	2 x 58W	2,8
16130 0029	161PX 12L120 DIMC	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,1
16130 0023	161PX 15L34 DIMC	1	21	3.430	163	40	1 x 58W	3,4
16130 0026	161PX 15L60 DIMC	1	39	6.130	157	40	2 x 58W	3,4
16130 0028	161PX 15L75 DIMC	1	49	7.410	151	40	> 2 x 58W	3,4
16130 0030	161PX 15L150 DIMC	1	93	14.250	153	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



dimable via Corridor Mode and automatic switch-off function (switches off after 30 minutes)

Factory settings different from DIMC types:

– Automatic switch-off activated: 30 minutes 10 % background level, then standby mode (0 %).

16130 0032	161PX 12L22 DIMC-Z30	1	15	2.380	159	40	1 x 36W	2,8
16130 0035	161PX 12L42 DIMC-Z30	1	27	4.220	156	40	2 x 36W	2,8
16130 0037	161PX 12L60 DIMC-Z30	1	39	5.900	151	40	2 x 58W	2,8
16130 0039	161PX 12L120 DIMC-Z30	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,1
16130 0033	161PX 15L34 DIMC-Z30	1	21	3.430	163	40	1 x 58W	3,4
16130 0036	161PX 15L60 DIMC-Z30	1	39	6.130	157	40	2 x 58W	3,4
16130 0038	161PX 15L75 DIMC-Z30	1	49	7.410	151	40	> 2 x 58W	3,4
16130 0040	161PX 15L150 DIMC-Z30	1	93	14.250	153	35	4 x 58W	3,7
16130 0131	161PX 15L200 DIMC-Z30	1	122	19.400	159	35	6 x 58W	4,2

Dustproof/Waterproof
Light Fittings

161PX... SENS



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	2.380	159	40	1 x 36W	2,9
16130 0045	161PX 12L42 SENS	1	27	4.220	156	40	2 x 36W	2,9
16130 0047	161PX 12L60 SENS	1	39	5.900	151	40	2 x 58W	2,9
16130 0049	161PX 12L120 SENS	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,2
16130 0043	161PX 15L34 SENS	1	21	3.430	163	40	1 x 58W	3,5
16130 0046	161PX 15L60 SENS	1	39	6.130	157	40	2 x 58W	3,5
16130 0048	161PX 15L75 SENS	1	49	7.410	151	40	> 2 x 58W	3,5
16130 0050	161PX 15L150 SENS	1	93	14.250	153	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
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161PX... SENS-Z30



DIMC-Z30 version with integrated motion sensor and switch-off after 30 minutes

Design:

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

Factory settings different from SENS types:

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

16130 0052	161PX 12L22 SENS-Z30	1	15	2.380	159	40	1 x 36W	2,9
16130 0055	161PX 12L42 SENS-Z30	1	27	4.220	156	40	2 x 36W	2,9
16130 0057	161PX 12L60 SENS-Z30	1	39	5.900	151	40	2 x 58W	2,9
16130 0059	161PX 12L120 SENS-Z30	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,2
16130 0053	161PX 15L34 SENS-Z30	1	21	3.430	163	40	1 x 58W	3,5
16130 0056	161PX 15L60 SENS-Z30	1	39	6.130	157	40	2 x 58W	3,5
16130 0058	161PX 15L75 SENS-Z30	1	49	7.410	151	40	> 2 x 58W	3,5
16130 0060	161PX 15L150 SENS-Z30	1	93	14.250	153	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 components (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 components
- 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 CO₂ reduction

16130 0061	161PX 12L42 CS	1	27	4.220	156	40	2 x 36W	2,8
16130 0062	161PX 15L60 CS	1	39	6.130	157	40	2 x 58W	3,5

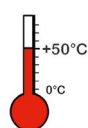
161PX... H50



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	1.340	134	50	1 x 18W	1,7
16134 0004	161PX 06L20 H50	1	16	2.260	141	50	2 x 18W	1,7
16134 0002	161PX 12L22 H50	1	15	2.380	159	50	1 x 36W	2,8
16134 0005	161PX 12L42 H50	1	27	4.220	156	50	2 x 36W	2,8
16134 0003	161PX 15L34 H50	1	21	3.430	163	50	1 x 58W	3,4
16134 0006	161PX 15L60 H50	1	39	6.130	157	50	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
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161PX... T40



for ambient temperatures down to -40 °C

Applications:

Cooling chambers, frozen food stock etc.

16134 0012	161PX 12L22 T40	1	15	2.380	159	40	1 x 36W	2,8
16134 0015	161PX 12L42 T40	1	27	4.220	156	40	2 x 36W	2,8
16134 0013	161PX 15L34 T40	1	21	3.430	163	40	1 x 58W	3,4
16134 0016	161PX 15L60 T40	1	39	6.130	157	40	2 x 58W	3,4

161PX... T40 / H...



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.

16134 0022	161PX 12L22 T40 H70	1	15	2.380	159	70	1 x 36W	2,8
16134 0025	161PX 12L42 T40 H70	1	27	4.220	156	70	2 x 36W	2,8
16134 0023	161PX 15L34 T40 H70	1	21	3.430	163	70	1 x 58W	3,4
16134 0026	161PX 15L60 T40 H60	1	39	6.130	157	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) or the installation of a weather protection cover over the luminaire.

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



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

16131 0001	161PX 06L12 AUS	1	10	1.340	134	40	1 x 18W	1,7
16131 0004	161PX 06L20 AUS	1	16	2.260	141	40	2 x 18W	1,7
16131 0002	161PX 12L22 AUS	1	15	2.380	159	40	1 x 36W	2,8
16131 0005	161PX 12L42 AUS	1	27	4.220	156	40	2 x 36W	2,8
16131 0007	161PX 12L60 AUS	1	39	5.900	151	40	2 x 58W	2,8
16131 0009	161PX 12L120 AUS	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,1
16131 0003	161PX 15L34 AUS	1	21	3.430	163	40	1 x 58W	3,4
16131 0006	161PX 15L60 AUS	1	39	6.130	157	40	2 x 58W	3,4
16131 0008	161PX 15L75 AUS	1	49	7.410	151	40	> 2 x 58W	3,4
16131 0010	161PX 15L150 AUS	1	93	14.250	153	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		11	1.590	145	45	1 x 18W	2,8
			15	2.380	159	40	1 x 36W	
			22	3400 ²⁾	155	40	1 x 58W	
			27	4.220	156	40	2 x 36W	
			39	5.900	151	35	2 x 58W	

1) Examples of possible settings
2) Factory setting

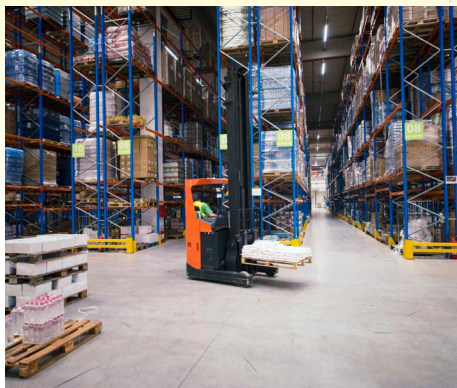
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NEW

161PX... TB/T



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 0171	161PX 12L60TB	1	39	5.900	151	40	2 x 58W	3,0
16130 0173	161PX 12L120TB	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,5
16130 0170	161PX 15L60TB	1	39	6.130	157	40	2 x 58W	3,6
16130 0172	161PX 15L75TB	1	49	7.410	151	40	> 2 x 58W	3,6
16130 0174	161PX 15L150T	1	93	14.250	153	35	4 x 58W	4,2
16130 0175	161PX 15L200T	1	122	19.400	159	35	6 x 58W	4,7

Product highlights¹⁾:

- 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



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	1.340	134	40	1 x 18W	1,7
16132 0004	161PX 06L20 IFS	1	16	2.260	141	40	2 x 18W	1,7
16132 0002	161PX 12L22 IFS	1	15	2.380	159	40	1 x 36W	2,8
16132 0005	161PX 12L42 IFS	1	27	4.220	156	40	2 x 36W	2,8
16132 0007	161PX 12L60 IFS	1	39	5.900	151	40	2 x 58W	2,8
16132 0009	161PX 12L120 IFS	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,1
16132 0003	161PX 15L34 IFS	1	21	3.430	163	40	1 x 58W	3,4
16132 0006	161PX 15L60 IFS	1	39	6.130	157	40	2 x 58W	3,4
16132 0008	161PX 15L75 IFS	1	49	7.410	151	40	> 2 x 58W	3,4
16132 0010	161PX 15L150 IFS	1	93	14.250	153	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

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
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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



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.

16132 0021	161PX 06L12 LM	1	10	1.340	134	40	1 x 18W	1,7
16132 0024	161PX 06L20 LM	1	16	2.260	141	40	2 x 18W	1,7
16132 0022	161PX 12L22 LM	1	15	2.380	159	40	1 x 36W	2,8
16132 0025	161PX 12L42 LM	1	27	4.220	156	40	2 x 36W	2,8
16132 0027	161PX 12L60 LM	1	39	5.900	151	40	2 x 58W	2,8
16132 0029	161PX 12L120 LM	1	77	11.470	149	35	2 x 80 bzw. 3 x 58W	3,1
16132 0023	161PX 15L34 LM	1	21	3.430	163	40	1 x 58W	3,4
16132 0026	161PX 15L60 LM	1	39	6.130	157	40	2 x 58W	3,4
16132 0028	161PX 15L75 LM	1	49	7.410	151	40	> 2 x 58W	3,4
16132 0030	161PX 15L150 LM	1	93	14.250	153	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		11	1.590	145	45	1 x 58W	2,8
			15	2.380	159	40	1 x 36W	
			22	3400 ²⁾	155	40	1 x 58W	
			27	4.220	156	40	2 x 36W	
			39	5.900	151	35	2 x 58W	

161PX... LM H50



for high ambient temperatures up to +50 °C

16132 0041	161PX 06L12 LM H50	1	10	1.340	134	50	1 x 18W	1,7
16132 0044	161PX 06L20 LM H50	1	16	2.260	141	50	2 x 18W	1,7
16132 0042	161PX 12L22 LM H50	1	15	2.380	159	50	1 x 36W	2,8
16132 0045	161PX 12L42 LM H50	1	27	4.220	156	50	2 x 36W	2,8
16132 0043	161PX 15L34 LM H50	1	21	3.430	163	50	1 x 58W	3,4
16132 0046	161PX 15L60 LM H50	1	39	6.130	157	50	2 x 58W	3,4

161PX... LM T40

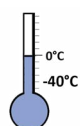
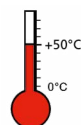


for ambient temperatures down to -40 °C

16132 0052	161PX 12L22 LM T40	1	15	2.380	159	40	1 x 36W	2,8
16132 0055	161PX 12L42 LM T40	1	27	4.220	156	40	2 x 36W	2,8
16132 0053	161PX 15L34 LM T40	1	21	3.430	163	40	1 x 58W	3,4
16132 0056	161PX 15L60 LM T40	1	39	6.130	157	40	2 x 58W	3,4

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

NEW

161PX... HE DIMD



dimmable via DALI interface

Design:

Same as standard version HE, but with DALI2-ECG and 2 additional clamping points. Dimming range 1 -100 % Compatible with LIMAS Line Light Management System.

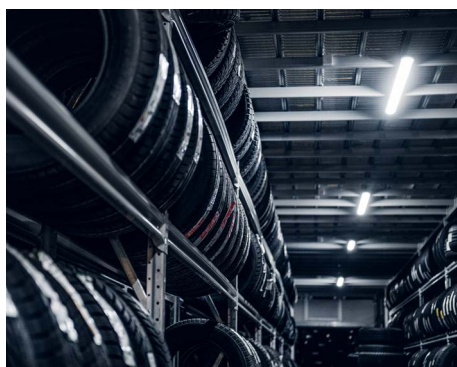
16130 0150	161PX 12L42 HE DIMD	1	22	4.050	184		2 x 36W	2,8
16130 0151	161PX 12L60 HE DIMD	1	35	6.390	183		2 x 58W	2,8
16130 0152	161PX 12L90 HE DIMD	1	52	9.500	183		< 3 x 58W	2,8
16130 0153	161PX 12L120 HE DIMD	1	69	12.610	183		2 x 80 bzw. 3 x 58W	2,8
16130 0154	161PX 15L34 HE DIMD	1	19	3.690	194		1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

161PX... ER / HR (RESISTANT)



Note:

See notes in the technical appendix, chapter 4.4.



for use in hazardous areas

Applications:

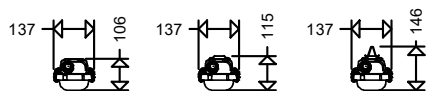
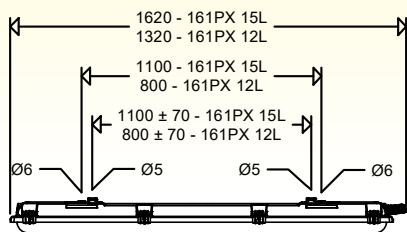
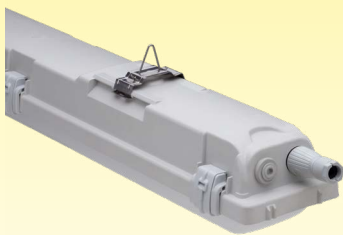
Areas in trade, trade and industry with corrosive atmospheres or craft gases and vapors that can damage the LED up to and including total failure.
E.g. chemical industry, galvanizing plants, electroplating plants, foundries, tire production and storage, paper mills, sewage treatment plants, waste incineration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

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

* 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
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161PX... FastConnect (FC)



with quick mounting system

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

Advantages of the FastConnect version:

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

16130 0192	161PX 12L22 FC	1	15	2.380	159	40	1 x 36W	2,8
16130 0193	161PX 12L42 FC	1	27	4.220	156	40	2 x 36W	2,8
16130 0194	161PX 15L34 FC	1	21	3.430	163	40	1 x 58W	3,4
16130 0195	161PX 15L60 FC	1	39	6.130	157	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.

Dustproof/Waterproof
Light Fittings

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			
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 outraches or any brackets.					
Swivel arm mounting					
90303 9000	SWABF 161PX E4 P	1 pair of swivel arm mountings, stainless steel A4			
Infrared remote control for SENS-light fittings					
90295 9000	FB SENSOTEC-MINI	Infrared remote control for 161PX .. SENS			

SWABF 161PX E4 P

