NEW PRODUCTS
LED Light Fittings

2026/27

Light Management
Explosion-Proof Light Fittings
Dust- and Waterproof Light Fittings
High Bay Light Fittings
Outdoor Light Fittings
Emergency Light Fittings

SCHUCH



NEW

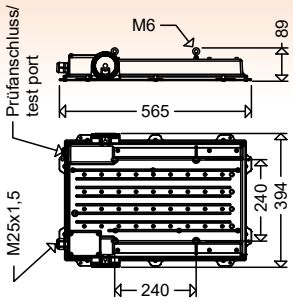
ExAREALO 2

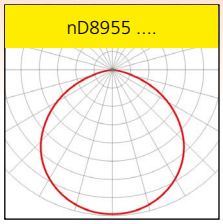
LED High Bay Fittings for Ex-Zone 2/22

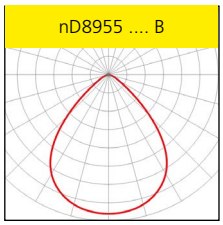
Series nD8955...

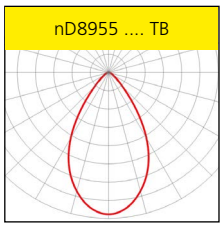
Applications:
Hazardous locations, of Zones 2 (gas) and 22 (dust), in assembling- and production halls, warehouses, in industrial sectors, workshops, chemical factories etc.

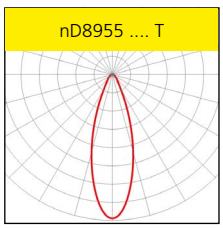
Design:
Housing: Die-cast aluminium, 1-part, powder-coated DB 702 with LED module, optics, ECG and cable entry.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.
Light distribution: Without optics wide beam, with optics wide beam (**B**), narrow wide beam (**TB**) or narrow beam (**T**), narrow oval beaam (**TO**) for illumination of aisles in rack areas respectively asymmetrical beam (**A**).
Entries: 1 gland M25 x 1.5.
Connection: Connection compartment accessible from outside, terminal up to max. 2.5 mm².
Mounting: 4 eyelets included in delivery.
General Purpose: Beaming downwards 0°.

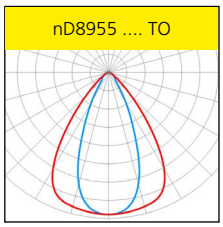


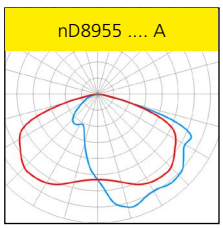












Technical Data:
LED module: 4,000 K, CRI > 80, service life L_{95} > 100,000 h at max. ambient temperature, Zhaga compliant
ECG: 220 - 240 V, 50/60 Hz. Surge voltage resistance 4 kV, overload and short circuit protection
Ambient temperature: -30 °C up to +40 °C

Options:
- 5,000 K; light colour (**850**)
- for higher ambient temperatures (**H65**), up to +65 °C
- seawater-resistant version
- for connection to central emergency supply systems (**ZB**)

Options Luminous flux adjustment / Lighting control / Lighting management:
- dimming function via DALI-2 interface, compatible with LIMAS Line BASIC/ PRO wired Light Management System (**DIMD**)
- constant luminous flux function (**CL**)

Product highlights:
- **long-lasting, corrosion-resistant** die-cast aluminium housing
- **optimized thermal management** due to direct mounting of the LED modules to the housing, large cooling surface, excellent heat dissipation
- **uniform illumination due to the „Multi-Layer Technology"**
- **high system service life of up to 100,000 h**, saves premature replacement and conserves valuable resources
- **high energy cost savings** thanks to low connected load and high efficiency
- 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



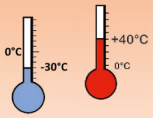
Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

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

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.

nD8955...



Ignition protection: nR
Marking:
II 3 G Ex nR IIC T4 Gc (Zone 2)
II 3 D Ex tc IIIC T100°C Dc (Zone 22)

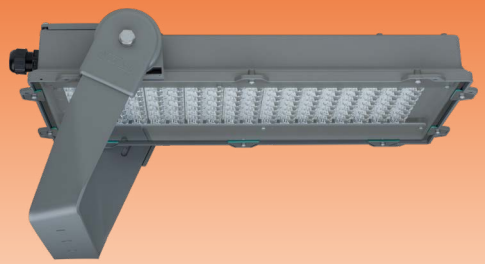
Rated voltage: 220 V - 240 V, 50/60 Hz
Permissible ambient temperature:
-30 °C up to +40 °C

Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
89550 0101	**nD8955 L250**		•				40	8,2	144	27.500	191	HIE 400 (HS-VG), HIT400
89550 0102	**nD8955 L250 B**		•									
89550 0103	**nD8955 L250 TB**			•								
89550 0104	**nD8955 L250 T**				•							
89550 0105	**nD8955 L250 TO**				•							
89550 0106	**nD8955 L250 A**					•						
89550 0107	**nD8955 L250 DIMD**	•	•									
89550 0108	**nD8955 L250 B DIMD**	•	•									
89550 0109	**nD8955 L250 TB DIMD**	•		•								
89550 0110	**nD8955 L250 T DIMD**	•			•							
89550 0111	**nD8955 L250 TO DIMD**	•			•							
89550 0112	**nD8955 L250 A DIMD**	•				•						
89550 0201	**nD8955 L360**		•				40	8,5	205	38.300	187	HIT 400
89550 0202	**nD8955 L360 B**		•									
89550 0203	**nD8955 L360 TB**			•								
89550 0204	**nD8955 L360 T**				•							
89550 0205	**nD8955 L360 TO**				•							
89550 0206	**nD8955 L250 A**					•						
89550 0207	**nD8955 L360 DIMD**	•	•									
89550 0208	**nD8955 L360 B DIMD**	•	•									
89550 0209	**nD8955 L360 TB DIMD**	•		•								
89550 0210	**nD8955 L360 T DIMD**	•			•							
89550 0211	**nD8955 L360 TO DIMD**	•			•							
89550 0212	**nD8955 L360 A DIMD**	•				•						
89550 0301	**nD8955 L470**		•				40	8,5	289	52.000	180	2 x HIT 250, HME 400
89550 0307	**nD8955 L470 DIMD**	•	•									

* This date is a rough guideline. In individual cases a lighting calculation is required.

Accessories / Spare Parts

Article no.	Type	
Cable glands		
90117 9006	**2537 G**	
90119 9001	**2539 G**	
Mounting material		
79559 0001	**WDBF 7955 ST**	Wall and ceiling mounting, galvanised steel, painted in DB 702
79559 0003	**WDBF 7955 E4**	Wall and ceiling mounting, stainless steel V4A, for SBL version, painted in DB 702
90022 0006	**BF SAH Y 420/45 ST P**	1 pair of Y-ropes



NEW

ExAREALO 2

LED-Floodlight for Ex-Zone 2/22

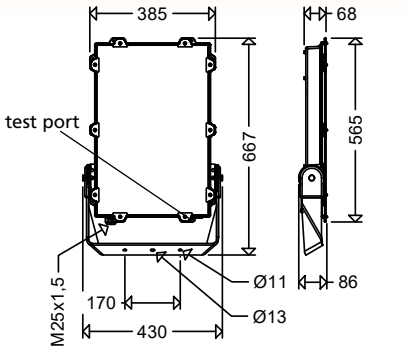
Series nD8950...

Applications:
Hazardous locations of Zones 2 (gas atmosphere) and 22 (dust atmosphere), indoor and outdoor areas, stockyards, e.g. construction sites, transport routes, pipe bridge, pedestrian areas etc.

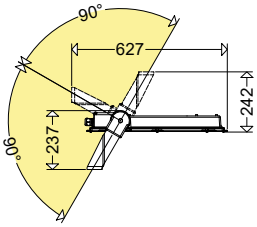
Design:
Housing: Die-cast aluminium, 1-part, powder-coated DB 702 (mica-iron paint, grey) with LED module, optics, ECG and cable entry.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.
Light distribution: With optics narrow-wide (**TB**), narrow (**T**) or asymmetrical beam (**A**), without optics wide beam.
Connection: Connection compartment accessible from outside, terminal up to max. 2.5 mm².
Cable entry: 1 x M25 cable gland.
Mounting: Mounting bracket can be swivelled through 180° in 5° steps, with holes for wall or ceiling mounting. Separate accessories are required for pole mounting (see accessories/spare parts).
Standard Mounting: Facing downwards or forwards.

Technical Data:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h at max. ambient temperature, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10kV, overload and short circuit protection.
Ambient temperature: -30 °C up to +40 °C

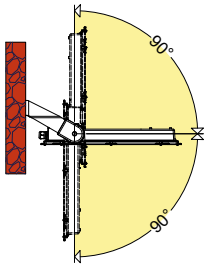
Options:
– 2,200 K; light colour (**722**)
– for higher ambient temperatures (**H65**), up to +65 °C
– asymmetrical wide beam (**AB**)
– asymmetrical extremely wide beam (**RWX**)
– seawater-resistant version
– bird deterrence
– dimming function via DALI-2 interface, compatible with LIMAS Line BASIC/PRO wired Light Management System (**DIMD**)
– constant luminous flux function (**CL**)

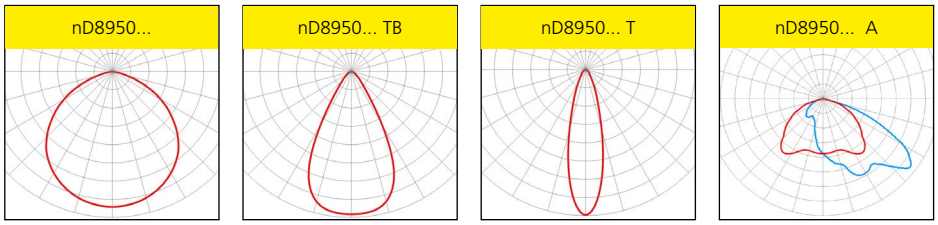


Swivel range



Standard Mounting





Product highlights:

- **durable, corrosion-resistant die-cast aluminium housing**
- low total weight, low mast load
- **excellent thermal management,** long service life
- **quick electrical connection** due to outlaying electrical connection box
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- **high system service life of up to 100,000 h**, saves premature replacement and conserves valuable resources
- **high energy cost savings** thanks to low connected load and high efficiency
- no light emission into the upper half-space, **ULOR=0**
- versions dimmable to 10% and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- 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:

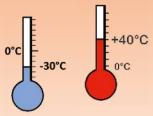
See "Technical Supplement"

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

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.

nD8950...



Ignition protection: nR
Marking:
II 3 G Ex nR IIC T4 Gc (Zone 2)
II 3 D Ex tc IIIC T100°C Dc (Zone 22)

Rated voltage: 220 V - 240 V, 50/60 Hz
Permissible ambient temperature:
-30 °C up to +40 °C

II 3 G Ex nR IIC T4 Gc | II 3 D Ex tc IIIC T100°C Dc | IP66 | -0.5m

colour temperature 4.000K (light colour 740)

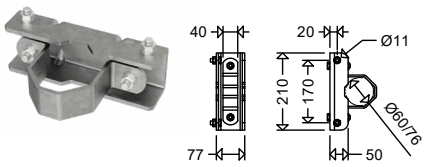
Article no.	Type	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
89500 0101	**nD8950 14401**	•				40	10,7	144	26.500	184	HIE 400 (HS-VG), HIT400
89500 0102	**nD8950 14401 TB**		•								
89500 0103	**nD8950 14401 T**			•							
89500 0104	**nD8950 14401 A**				•						
89500 0201	**nD8950 14402**	•				40	11,0	209	36.800	176	HIT 400
89500 0202	**nD8950 14402 TB**		•								
89500 0203	**nD8950 14402 T**			•							
89500 0204	**nD8950 14402 A**				•						
89500 0301	**nD8950 14403**	•				40	11,0	298	49.300	165	2 x HIT 250, HME 400
89500 0302	**nD8950 14403 TB**		•								
89500 0303	**nD8950 14403 T**			•							
89500 0304	**nD8950 14403 A**				•						

colour temperature 3.000K (light colour 730)

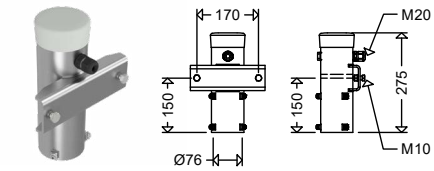
89500 0105	**nD8950 14401 730**	•				40	10,7	144	25.200	175	HIE 400 (HS-VG), HIT400
89500 0106	**nD8950 14401 730 TB**		•								
89500 0107	**nD8950 14401 730 T**			•							
89500 0108	**nD8950 14401 730 A**				•						
89500 0205	**nD8950 14402 730**	•				40	11,0	209	35.000	167	HIT 400
89500 0206	**nD8950 14402 730 TB**		•								
89500 0207	**nD8950 14402 730 T**			•							
89500 0208	**nD8950 14402 730 A**				•						
89500 0305	**nD8950 14403 730**	•				40	11,0	298	46.800	157	2 x HIT 250, HME 400
89500 0306	**nD8950 14403 730 TB**		•								
89500 0307	**nD8950 14403 730 T**			•							
89500 0308	**nD8950 14403 730 A**				•						

* This date is a rough guideline. In individual cases a lighting calculation is required.

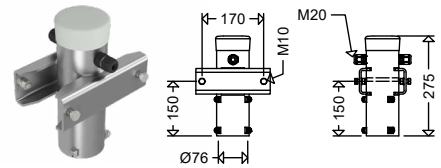
Pipe clamp fastening: ROB 60/76 G2



Single mounting: MAU 1 76/170 M10



Double mounting: MAU 2 76/170 M10



Accessories / Spare Parts

Article no.	Type	
Cable glands		
90117 9006	**2537 G**	ex-protected plastic cable gland M25 x 1,5 with locknut
90119 9001	**2539 G**	ex-protected plastic cable gland M25 x 1,5 with plug and locknut
Mounting material		
90270 0006	**ROB 60/76 G2**	Pipe clamp fastening for direct pole mounting; galvanised steel, not for stainless steel brackets
75739 9001	**MAU 1 76/170 M10**	Pole top for single mounting, Ø 76 mm, galvanized steel
75739 9002	**MAU 2 76/170 M10**	Pole top for double mounting, Ø 76 mm, galvanized steel
79511 0001	**TR 1200/108/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0004	**TR 900/108/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole
79511 0006	**TR 1200/76/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0007	**TR 900/76/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole



PROXIMA

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

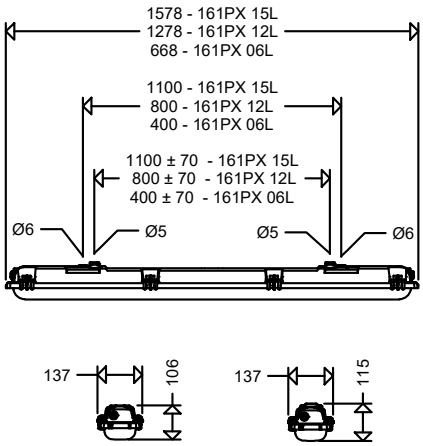
Applications:
Humid, wet and dusty rooms in trade, commerce and industry, multi-storey car parks, underground car parks, cold stores, cold rooms and walk-in cold rooms, covered outdoor areas, etc. (Please enquire in the event of humid, cold ambient conditions with low duty cycles and the presence/ occurrence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

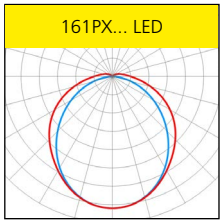
Design:
Housing: Glass fibre reinforced polyester resin, foamed silicone gasket.
Diffuser: Injection-molded acrylic glass, frosted for glare limitation.
Closure: Three-part plastic safety clips (**KKS**) to ensure protection against accidental contact.
Reflector: Aluminium, painted, can be suspended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

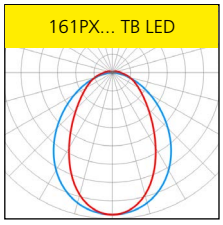
VARIO versions with variable setting of the luminous flux

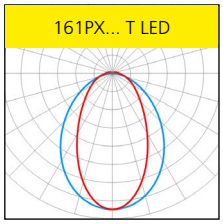
Applications:
Factories in which, for reasons of maximum standardization and economic storage, only one type of damp-proof luminaire is to be used, which can be used for a wide variety of lighting tasks due to its variably adjustable luminous flux.

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

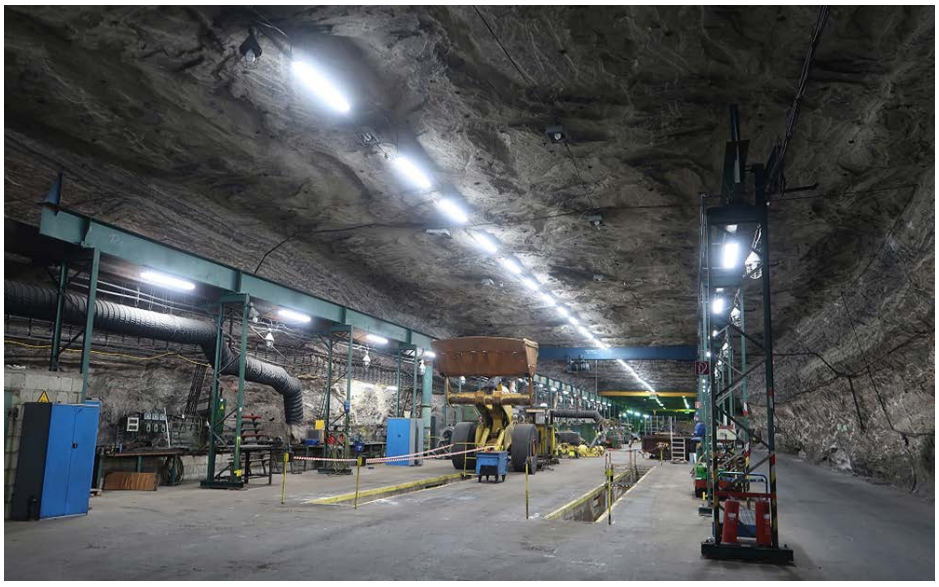
! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

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'

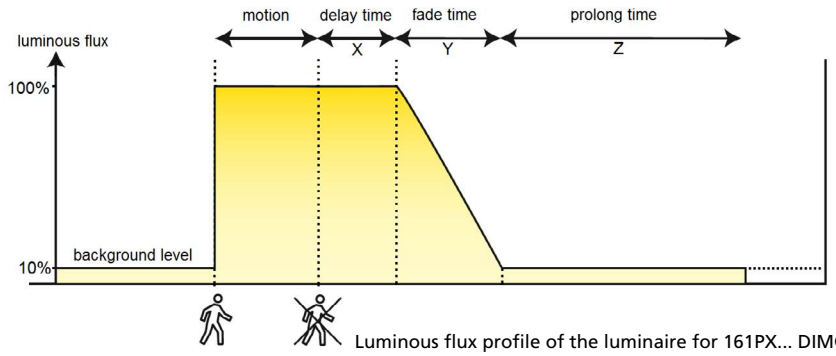
Design:
As standard version but with DALI-2 ECG and additional terminal point, labeled L', optionally with HF sensor (SENS types), see table.

	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

IP65

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

IP65

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

IP65

DIMC version with integrated motion sensor

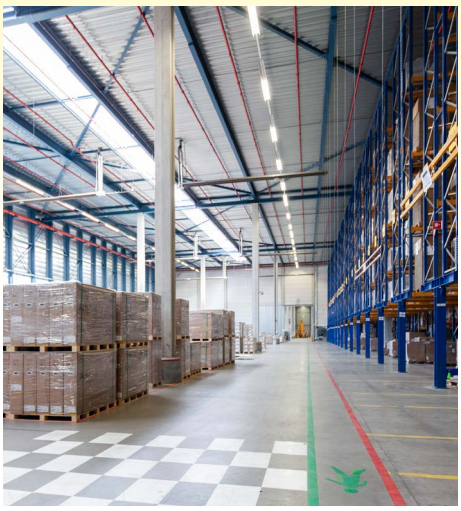
Design:
As DIMC version, but with integrated motion sensor. As a master luminaire, the luminaire can control all DIMC luminaires connected to it.

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:

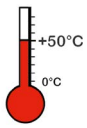
- each individual luminaire separately controllable
- compatible with all LIMAS Air system accessories
- convenient configuration and control via radio using free smartphone app (Android and iOS)
- no gateway and no internet connection required
- extensive portfolio of sensors and actuators
- significant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

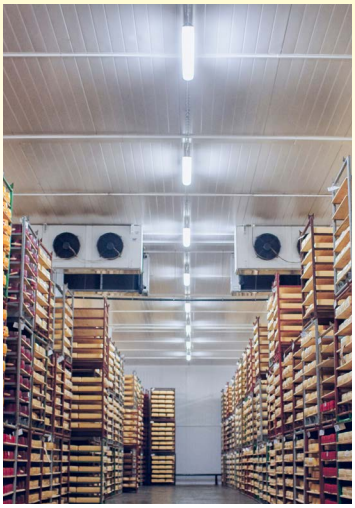
for high ambient temperatures up to +50 °C

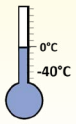
Applications:
Power plants, steel plants, machine-oriented areas, areas with high process waste heat, areas close to the ceiling with accumulating heat etc.



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.





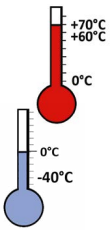
161PX... T40

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..



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	2.440	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)** 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	1.410	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	

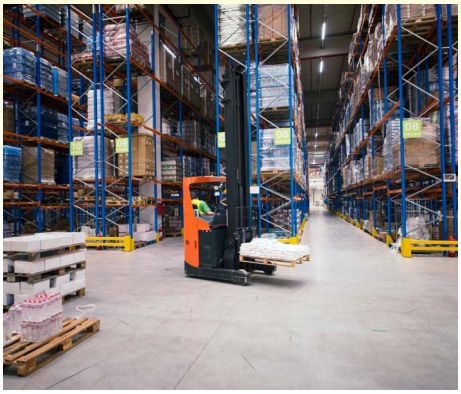
1) Factory setting

* 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

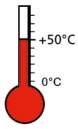
IFS / BRC / VDMA / HACCP
SCHUCH Light Fittings designed for food and beverage industry applications are in accordance with IFS / BRC / VDMA standards. They can be operated without restrictions in operations that must fulfill the HACCP Concept.

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

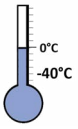


16132 0041	**161PX 06L12 LM H50**	1	10	1.410	141	50	1 x 18W	1,7
16132 0044	**161PX 06L20 LM H50**	1	16	2.330	146	50	2 x 18W	1,7
16132 0042	**161PX 12L22 LM H50**	1	15	2.440	163	50	1 x 36W	2,8
16132 0045	**161PX 12L42 LM H50**	1	27	4.300	159	50	2 x 36W	2,8
16132 0043	**161PX 15L34 LM H50**	1	21	3.520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

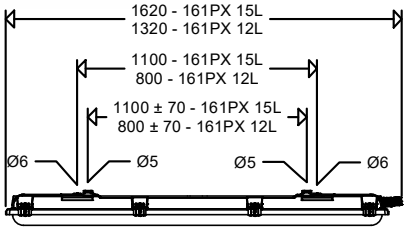
with quick mounting system

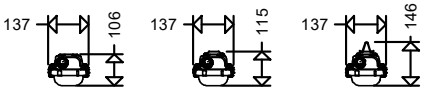
Design: Same as standard but, **with pre-assembled quick mounting system (FastFix) and quick connection plug (FastConnect)**, for 3-pole connecting cable up to 2.5 mm² (Ø 7.5 – 12.5 mm)

Advantages of the FastConnect version:

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





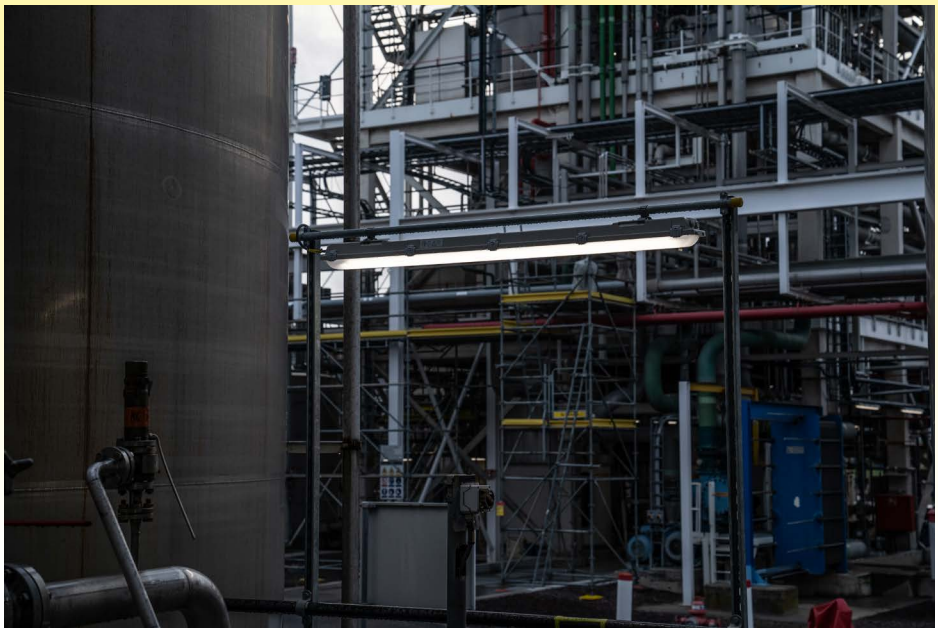


16130 0192	**161PX 12L22 FC**	1	15	2.440	163	40	1 x 36W	2,8
16130 0193	**161PX 12L42 FC**	1	27	4.300	159	40	2 x 36W	2,8
16130 0194	**161PX 15L34 FC**	1	21	3.520	168	40	1 x 58W	3,4
16130 0195	**161PX 15L60 FC**	1	39	6.270	161	40	2 x 58W	3,4

* 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.

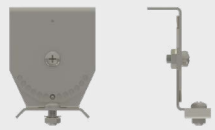
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.



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



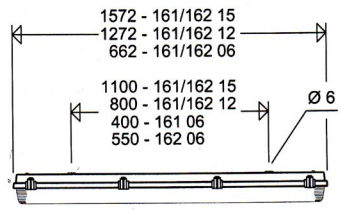


Dustproof/Waterproof LED Light Fitting with Diffuser Series 161/162.. / 161... VARIO

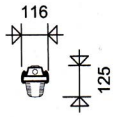
Applications:
Humid, wet and dusty rooms in trade, commerce and industry, multi-storey car parks, underground car parks, cold stores, cold rooms and walk-in cold rooms, covered outdoor areas, etc. (Please enquire in the event of humid, cold ambient conditions with low duty cycles and the presence/ occurrence 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 captive plastic clips (KK), incl. 2 safety clips (KKS) to ensure protection against contact.
Reflector: Aluminium, painted, can be suspended or removed and carries the electrical components.
Connection: 3-pole
Cable entries: 2 plugs M20.
Mounting: Closed knock-outs for direct ceiling mounting (to be opened at site). Sealing and pressure disks inside each fitting.

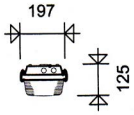
DB standardised by Deutsche Bahn AG



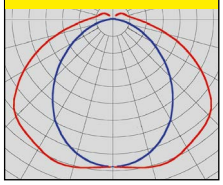
Series161...



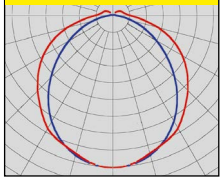
Series 162...



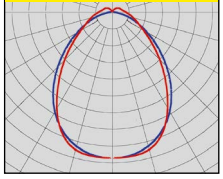
161 ... LED



162 ... LED



161... LED TB



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:
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 looping at 1 small side
– cable entry M25 x 1,5 mm²
– cover made of polycarbonate (**PC**), frosted
– stainless steel clips (**KE**)
– protection class II (**SKII**)
– vibration-resistant design

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:

- **robust, extremely strong quality light fitting** especially suited for rough industrial use
- **high-impact resistant housing,** excellent chemical and UV-resistance
- **diffuser with high mechanical stability,** fourfold safety against outer impact
- **safety locks** to ensure protection against accidental contact
- **front in/out wiring** (3-pole) possible as standard thanks to 2 entries on one side
- **homogeneous illumination** by using frosted diffusers
- 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

Cable entries for looping the mains cable on one side (loop in/loop out):
Optionally the light fittings can be supplied 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 (preparation at additional cost).





Notes:
Maximum energy saving by using types which are optimized for energy consumption.

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.

161/162... / 161... 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
16117 0309	**161 06L12**	1	10	1.390	139	40	1 x 18W	1,8
16117 0310	**161 06L20**	1	16	2.370	148	40	2 x 18W	1,8
16117 0301	**161 12L22**	1	15	2.390	159	40	1 x 36W	2,7
16117 0302	**161 12L42**	1	27	4.240	157	40	2 x 36W	2,7
16117 0305	**161 12L60**	1	39	5.920	152	30	2 x 58W	2,7
16117 0303	**161 15L34**	1	21	3.440	164	40	1 x 58W	3,0
16117 0304	**161 15L60**	1	39	6.160	158	40	2 x 58W	3,0
16117 0306	**161 15L75**	1	49	7.440	152	30	> 2 x 58W	3,0
16215 0302	**162 12L120**	1	78	11.410	146	35	2 x 80 bzw. 3 x 58W	4,3
16215 0303	**162 15L150**	1	97	14.310	148	35	4 x 58W	4,8
16117 0399	**161 12L VARIO**	1	15	2.410	160	45	1 x 36W	2,7
			22	3.610[1)]	164	45	1 x 58W	
			29	4.510	156	40	2 x 36W	
			39	5.920	152	35	2 x 58W	

1) Factory setting

161/162... 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.

16117 0319	**161 06L12 DIMD**	1	10	1.390	139	40	1 x 18W	1,9
16117 0320	**161 06L20 DIMD**	1	16	2.370	148	40	2 x 18W	1,9
16117 0311	**161 12L22 DIMD**	1	15	2.390	159	40	1 x 36W	2,8
16117 0312	**161 12L42 DIMD**	1	27	4.240	157	40	2 x 36W	2,8
16117 0315	**161 12L60 DIMD**	1	39	5.920	152	30	2 x 58W	2,8
16117 0313	**161 15L34 DIMD**	1	21	3.440	164	40	1 x 58W	3,1
16117 0314	**161 15L60 DIMD**	1	39	6.160	158	40	2 x 58W	3,1
16117 0316	**161 15L75 DIMD**	1	49	7.440	152	30	> 2 x 58W	3,1
16215 0312	**162 12L120 DIMD**	1	78	11.410	146	35	2 x 80 bzw. 3 x 58W	4,4
16215 0313	**162 15L150 DIMD**	1	97	14.310	148	35	4 x 58W	4,9

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





161... 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.

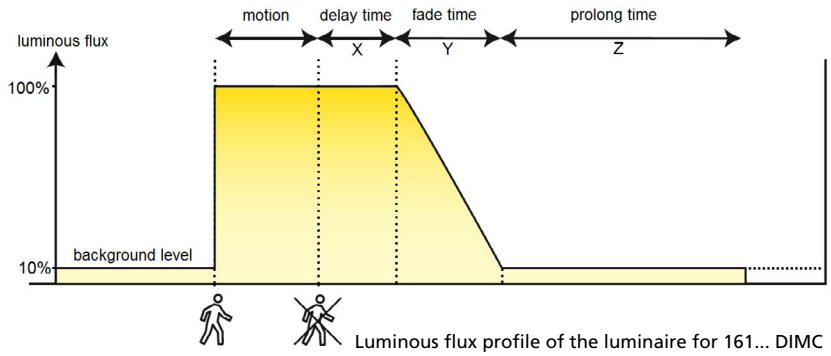
	Clamping point L'	powerless switching	Integrated sensor	Switches off after 30 minutes
161... DIMC	x	x	–	–
161... DIMC-Z30	x	x	–	x
161... SENS	x	x	x	-
161... SENS-Z30	x	x	x	x

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 161... 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 161... 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

161... DIMC

IP65

dimmable via Corridor Mode

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

16117 0420	**161 12L22 DIMC**	1	15	2.390	159	40	1 x 36W	2,8
16117 0421	**161 12L42 DIMC**	1	27	4.240	157	40	2 x 36W	2,8
16117 0422	**161 15L34 DIMC**	1	21	3.440	164	40	1 x 58W	3,1
16117 0423	**161 15L60 DIMC**	1	39	6.160	158	40	2 x 58W	3,1

161... DIMC-Z30

IP65

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

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

16117 0710	**161 12L22 DIMC-Z30**	1	15	2.390	159	40	1 x 36W	2,8
16117 0711	**161 12L42 DIMC-Z30**	1	27	4.240	157	40	2 x 36W	2,8
16117 0712	**161 15L34 DIMC-Z30**	1	21	3.440	164	40	1 x 58W	3,1
16117 0713	**161 15L60 DIMC-Z30**	1	39	6.160	158	40	2 x 58W	3,1



161... SENS

IP65

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.

16117 0697	**161 12L22 SENS**	1	15	2.390	159	40	1 x 36W	2,9
16117 0698	**161 12L42 SENS**	1	27	4.240	157	40	2 x 36W	2,9
16117 0699	**161 15L34 SENS**	1	21	3.440	164	40	1 x 58W	3,2
16117 0700	**161 15L60 SENS**	1	39	6.160	158	40	2 x 58W	3,2



161... SENS-Z30

IP65

DIMC-Z30 version with integrated motion sensor and automatic switch-off function (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 %).

16117 0715	**161 12L22 SENS-Z30**	1	15	2.390	159	40	1 x 36W	2,9
16117 0716	**161 12L42 SENS-Z30**	1	27	4.240	157	40	2 x 36W	2,9
16117 0718	**161 15L34 SENS-Z30**	1	21	3.440	164	40	1 x 58W	3,2
16117 0719	**161 15L60 SENS-Z30**	1	39	6.160	158	40	2 x 58W	3,2

* 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

162... TB

IP65

with optics for shelf storage aisles and workplace lighting

Applications:
High-bay warehouses, shelf storage aisles, workplace lighting, etc.

Design:
Same as standard versions 162..., but with narrow-wide beam optics (**TB**).

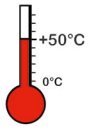
16215 0601	**162 15L120TB**	1	78	11.960	153	40	2 x 80 bzw. 3 x 58W	5,4

161... H50

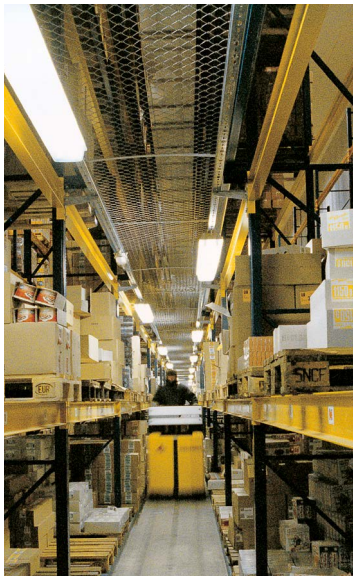
IP65

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.



16117 0324	**161 06L12 H50**	1	10	1.390	139	50	1 x 18W	2,0
16117 0490	**161 06L20 H50**	1	16	2.370	148	50	2 x 18W	2,0
16117 0321	**161 12L22 H50**	1	15	2.390	159	50	1 x 36W	2,7
16117 0491	**161 12L42 H50**	1	27	4.240	157	50	2 x 36W	2,7
16117 0322	**161 15L34 H50**	1	21	3.440	164	50	1 x 58W	3,0
16117 0492	**161 15L60 H50**	1	39	6.160	158	50	2 x 58W	3,0
16117 0334	**161 06L12 H50 DIMD**	1	10	1.390	139	50	1 x 18W	2,0
16117 0493	**161 06L20 H50 DIMD**	1	16	2.370	148	50	2 x 18W	2,0
16117 0331	**161 12L22 H50 DIMD**	1	15	2.390	159	50	1 x 36W	2,8
16117 0494	**161 12L42 H50 DIMD**	1	27	4.240	157	50	2 x 36W	2,8
16117 0332	**161 15L34 H50 DIMD**	1	21	3.440	164	50	1 x 58W	3,1
16117 0495	**161 15L60 H50 DIMD**	1	39	6.160	158	50	2 x 58W	3,1



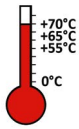
161/162... T40 / H...

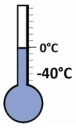
IP65

for wide temperature ranges from -40 °C up to +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.





16117 0509	**161 06L12 T40 H65**	1	9	1.190	132	65	1 x 18W	1,8
16117 0510	**161 06L20 T40 H55**	1	18	2.620	146	55	2 x 18W	1,8
16117 0501	**161 12L22 T40 H65**	1	14	2.390	171	65	1 x 36W	2,7
16117 0502	**161 12L42 T40 H55**	1	27	4.240	157	55	2 x 36W	2,7
16117 0503	**161 15L34 T40 H65**	1	21	3.440	164	65	1 x 58W	3,0
16117 0504	**161 15L60 T40 H55**	1	38	6.160	162	55	2 x 58W	3,0
16215 0520	**162 12L22 T40 H70**	1	15	2.390	159	70	1 x 36W	4,1
16215 0521	**162 12L42 T40 H70**	1	28	4.840	173	70	2 x 36W	4,1
16215 0501	**162 15L34 T40 H70**	1	21	3.440	164	70	1 x 58W	4,8
16215 0502	**162 15L60 T40 H60**	1	39	6.590	169	60	2 x 58W	4,8

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

Notes:

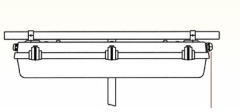
The light fitting is **not suitable** for use in extremely exposed locations with high mechanical stress (wind load) or infrequent or occasional use (e.g. maintenance or inspection lighting).

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

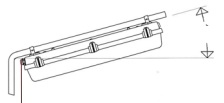
For infrequent or occasional use, we recommend our **series 107 ... G2 (PRIMO XR)** or the installation of a weather protection cover over the luminaire.

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

pole mount with pipe clamps



pressure compensation element



pressure compensation element



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

161/162... AUS / 161... 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 161/162... LED, but:
Diffuser: UV proof
Pressure compensation element: M20
Entries: 1 gland M20 at one small side, pressure compensation element M20 at the other small side.

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 1.9 mm)
- profile gaskets 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

16117 0350	**161 06L12 AUS**	1	10	1.390	139	40	1 x 18W	1,8
16117 0358	**161 06L20 AUS**	1	16	2.370	148	40	2 x 18W	1,8
16117 0351	**161 12L22 AUS**	1	15	2.390	159	40	1 x 36W	2,7
16117 0352	**161 12L42 AUS**	1	27	4.240	157	40	2 x 36W	2,7
16117 0355	**161 12L60 AUS**	1	39	5.920	152	30	2 x 58W	2,7
16117 0353	**161 15L34 AUS**	1	21	3.440	164	40	1 x 58W	3,0
16117 0354	**161 15L60 AUS**	1	39	6.160	158	40	2 x 58W	3,0
16117 0356	**161 15L75 AUS**	1	49	7.440	155	30	> 2 x 58W	3,0
16215 0352	**162 12L120 AUS**	1	78	11.410	146	35	2 x 80 bzw. 3 x 58W	4,3
16215 0353	**162 15L150 AUS**	1	97	14.310	148	35	4 x 58W	4,8
16117 0359	**161 12L VARIO AUS**	1	15	2.410	160	45	1 x 36W	2,7
			22	3.610[1)]	164	45	1 x 58W	
			29	4.510	156	40	2 x 36W	
			39	5.920	152	35	2 x 58W	

1) Factory setting

Notes:
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.

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

161/162... 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 161/162 .. L..but:
Diffuser: cover Polycarbonate, frosted.
Closure clips: Stainless steel (**KE**), incl. 2 safety clips (**KES**) to ensure protection against contact.

16119 0039	**161 06L12 IFS**	1	10	1.390	139	40	1 x 18W	1,8
16119 0040	**161 06L20 IFS**	1	16	2.370	148	40	2 x 18W	1,8
16119 0041	**161 12L22 IFS**	1	15	2.390	159	40	1 x 36W	2,7
16119 0043	**161 12L42 IFS**	1	27	4.240	157	40	2 x 36W	2,7
16119 0305	**161 12L60 IFS**	1	39	5.920	152	30	2 x 58W	2,7
16119 0042	**161 15L34 IFS**	1	21	3.440	164	40	1 x 58W	3,0
16119 0044	**161 15L60 IFS**	1	39	6.160	158	40	2 x 58W	3,0
16119 0046	**161 15L75 IFS**	1	49	7.440	155	30	> 2 x 58W	3,0
16219 0302	**162 12L120 IFS**	1	78	11.410	146	35	2 x 80 bzw. 3 x 58W	4,3
16219 0004	**162 15L150 IFS**	1	97	14.310	148	35	4 x 58W	4,8

* 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.

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 fittings with light colour 940 (special version), which emits a bigger amount of red light.

161/162... LM / 161... 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 161/162... LED 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.

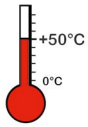
Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max. [°C]	Substitute for ca. *	Weight [kg] without packing material
16119 0005	**161 06L12 LM**	1	10	1.390	139	40	1 x 18W	1,8
16119 0006	**161 06L20 LM**	1	16	2.370	148	40	2 x 18W	1,8
16119 0001	**161 12L22 LM**	1	15	2.390	159	40	1 x 36W	2,7
16119 0003	**161 12L42 LM**	1	27	4.240	157	40	2 x 36W	2,7
16119 0018	**161 12L60 LM**	1	39	5.920	152	30	2 x 58W	2,7
16119 0002	**161 15L34 LM**	1	21	3.440	164	40	1 x 58W	3,0
16119 0004	**161 15L60 LM**	1	39	6.160	158	40	2 x 58W	3,0
16119 0019	**161 15L75 LM**	1	49	7.440	152	30	> 2 x 58W	3,0
16219 0006	**162 12L120 LM**	1	78	11.410	146	35	2 x 80 bzw. 3 x 58W	4,3
16219 0002	**162 15L100 LM**	1	67	10.510	157	40	2 x 80W	4,8
16219 0007	**162 15L150 LM**	1	97	14.310	148	35	4 x 58W	4,8
16119 0399	**161 12L VARIO LM**	1	15	2.410	160	45	1 x 36W	2,7
			22	3.610[1)]	164	45	1 x 58W	
			29	4.510	156	40	2 x 36W	
			39	5.920	152	35	2 x 58W	

1) Factory setting

161... LM H50

IP65

for high ambient temperatures up to +50 °C

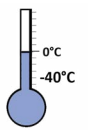


16119 0067	**161 06L12 LM H50**	1	10	1.390	139	50	1 x 18W	2,0
16119 0050	**161 06L20 LM H50**	1	16	2.370	148	50	2 x 18W	2,0
16119 0051	**161 12L22 LM H50**	1	15	2.390	159	50	1 x 36W	2,8
16119 0053	**161 12L42 LM H50**	1	27	4.240	157	50	2 x 36W	2,8
16119 0052	**161 15L34 LM H50**	1	21	3.440	164	50	1 x 58W	3,0
16119 0054	**161 15L60 LM H50**	1	39	6.160	158	50	2 x 58W	3,0

161... LM T40

IP65

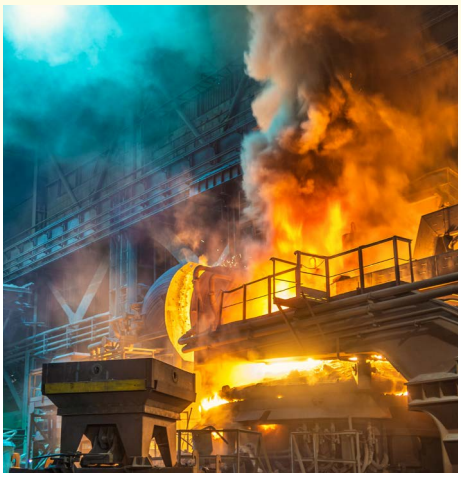
for ambient temperatures down to -40 °C



16119 0101	**161 12L22 LM T40**	1	14	2.390	171	40	1 x 36W	2,7
16119 0103	**161 12L42 LM T40**	1	27	4.240	157	40	2 x 36W	2,7
16119 0102	**161 15L34 LM T40**	1	21	3.440	164	40	1 x 58W	3,2
16119 0104	**161 15L60 LM T40**	1	38	6.160	162	40	2 x 58W	3,2

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

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



161... ER / HR (RESISTANT)

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.

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
16123 0003	**161 12L22 ER**	1	15	2.490	166	40	1 x 36W	2,7
16123 0004	**161 12L42 ER**	1	27	4.410	163	40	2 x 36W	2,7
16123 0005	**161 15L34 ER**	1	21	3.590	171	40	1 x 58W	3,0
16123 0006	**161 15L60 ER**	1	39	6.400	164	40	2 x 58W	3,0
16123 0503	**161 12L22 HR**	1	15	2.490	166	40	1 x 36W	3,0
16123 0504	**161 12L42 HR**	1	27	4.410	163	40	2 x 36W	3,0
16123 0505	**161 15L34 HR**	1	21	3.590	171	40	1 x 58W	3,3
16123 0506	**161 15L60 HR**	1	39	6.400	164	40	2 x 58W	3,3

NEW

162... DB

Applications:
Interior spaces and outdoor facilities in areas away from the tracks, e.g. technical rooms, switchgear, damp rooms etc.
Deutsche Bahn listing:
DB Netze AG
List sheet number 5J10

Design:
Like the standard version, but:
Housing:cover Polycarbonate, frosted
Closure clips: Stainless steel (**KE**), incl. 2 safety clips (**KES**) to ensure protection against contact.
Colour rendering: Ra > 90
Protection class: II
Ambient temperature: from -25°C to 45 °C

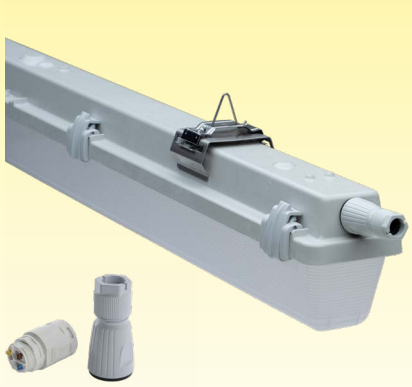


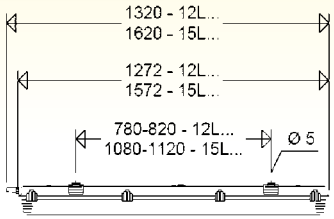
Photo: Lothar - Beeck

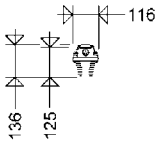
Product highlights of this version:
- Deutsche Bahn listing
- extremely robust
- cost-efficient operation
- environmentally friendly and future-proof

16215 0389	**162 06L20KE 940 SKII**	1	35	4.520	129	45	2 x 36W	3,9
16215 0388	**162 12L42KE 940 SKII**	1	18	2.190	122	45	2 x 18W	2,3

* 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

161... FF/FC

IP65

with FastFix 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 FastFix/FastConnect version:

- FastFix bracket and quick connection plug pre-assembled
- installation and electrical connection without opening the light fitting
- saves at least 60 % mounting time

16117 0801	**161 12L22 FF/FC**	1	15	2.390	159	40	1 x 36W	2,7
16117 0802	**161 12L42 FF/FC**	1	27	4.240	157	40	2 x 36W	2,7
16117 0803	**161 15L34 FF/FC**	1	21	3.440	164	40	1 x 58W	3,0
16117 0804	**161 15L60 FF/FC**	1	39	6.160	158	40	2 x 58W	3,0

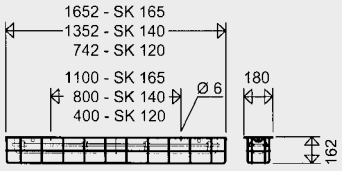
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

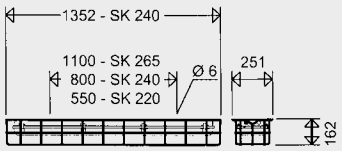
Note:
The FC version can be supplied together with various special versions. The maximum possible ambient temperature is 50 °C.

Accessories / Spare Parts

Article no.	Type		Article no	Type	
spare glasses, PMMA frosted			**spare glasses, PC frosted**		
16111 9035	**ABD 161 018 F**	for 161 06..	16111 9036	**ABD 161 018 F PC**	for 161 06..
16111 9031	**ABD 161 036 F**	for 161 12..	16111 9033	**ABD 161 036 F PC**	for 161 12..
16111 9032	**ABD 161 058 F**	for 161 15..	16111 9034	**ABD 161 058 F PC**	for 161 15..
16211 9035	**ABD 162 018 F**	for 162 06..	16211 9030	**ABD 162 018 F PC**	for 162 06..
16211 9031	**ABD 162 036 F**	for 162 12..	16211 9033	**ABD 162 036 F PC**	for 162 12..
16211 9032	**ABD 162 058 F**	for 162 15..	16211 9034	**ABD 162 058 F PC**	for 162 15..
spare glasses LM-version 161...			**spare glasses LM-version 162...**		
16111 9017	**ABD 161 018 LM**	for 161 06..			
16111 9018	**ABD 161 036 LM**	for 161 12..	16211 9018	**ABD 162 036 LM**	for 162 12..
16111 9019	**ABD 161 058 LM**	for 161 15..	16211 9019	**ABD 162 058 LM**	for 162 15..
Wire guards, powder coated					
90004 0001	**SK 120**	for 161 06..	90004 0004	**SK 220**	for 162 06..
90004 0002	**SK 140**	for 161 12..	90004 0005	**SK 240**	for 162 12..
Fasteners					
90053 9008	**KK/KKS FR VE10**	plastic, incl. 2 safety clips (packing unit 10 pcs.)			
90055 9004	**KE/KES VE10**	stainless steel, incl. 2 safety clips (packing unit 10 pcs.)			
90053 9004	**KKS P**	1 pair of safety clips (for LED version), plastic			
90055 9005	**KES 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					
90093 0002	**183 RO 112 A P**	2 pcs., 1 1/2" stainless steel, with support			
90094 0002	**183 RO 2 A P**	2 pcs., 2" stainless steel, with support			
Consider mounting distances when installing the light fittings by pipe clamps to pole outreaches or any brackets.					
Angle brackets, aluminium					
90045 9001	**HW 30 P**	pair of angle brackets 30°			
90045 9002	**HW 45 P**	pair of angle brackets 45°			
90045 9004	**HW 60 P**	pair of angle brackets 60°			
90045 9003	**HW 90 P**	pair of angle brackets 90°			
Mointing accesories for ceiling mounting					
90049 0002	**183 S**	hook for chain suspension			
90095 0001	**DS 183**	stainless steel bracket with bolt M5			
Infrared remote control for SENS-light fittings					
90295 9000	**FB SENSOTEC-MINI**	Infrared remote control for 161... SENS			

Protective guard





Pipe clamp R1 1/2" - Ø 48,3 mm
R2" - Ø 60,3 mm



Ceiling bracket 183 DS

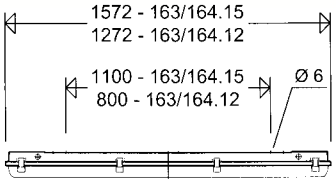


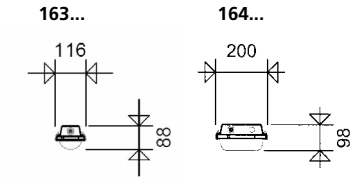


Dustproof/Waterproof LED Light Fitting with Diffuser Series 163... G2 VARIO / 164... G2

Applications:
In humid, wet and dusty indoor areas of industrial and agricultural premises, for workshops and car parks, cold stores, low temperature stores, cooling chambers and walkable low temperature cabins in hotels, hard to reach areas with high downtime and maintenance costs when replacing the lamps. (For damp and cold ambient conditions with low duty cycles and in the case of aggressive atmosphere, please contact us)

Design:
Housing: Glass fibre reinforced polyester resin, foamed gasket.
Diffuser: PMMA, modified for higher impact resistance, frosted for glare limitation.
Closure: External plastic clips (**KK**) incl. 2 safety clips (**KKS**) to ensure protection against contact.
Reflector: Painted, removable complete with electronic components.
Electrical connection: 3-pole terminal block.
Cable entries: 2 blanking plugs M20. Cable entries open at the front. Variable cable entry pre-pressed on the long side and top side.
Mounting system: 2 holes for ceiling mounting. Sealing and pressure disks for sealing are supplied inside the fitting.





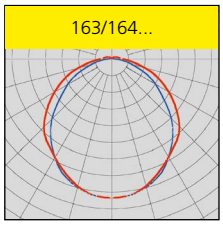
VARIO versions with variable setting of the luminous flux

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:
With integrated DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to four values. 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**)
– coloured LEDs, for signal applications
– through-wiring (**DV**)
– cable looping at 1 small side
– rear cable entry
– cover made of polycarbonate (**PC**), clear pearled
– stainless steel clips (**KE**)

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:

- **quality luminaire with above-average mechanical strength**
- **safety locks** to ensure protection against accidental contact
- **variable cable entry** thanks to additional entries along and at the top of the housing
- **homogeneous illumination by using frosted diffusers,** comfortable perception of light and brilliant glare limitation
- 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	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
163... G2 VARIO / 164... G2								
16302 0010	**163 12LG2 VARIO**	1	20	3.100	155	40	1 x 36W	2,3
			25	3.870	155	40	1 x 58W	
			29	4.640	160	40	2 x 36W	
			34	5.420[1)]	159	35	2 x 58W	
16302 0011	**163 15LG2 VARIO**	1	25	3.880	155	40	1 x 58W	2,8
			30	4.800	160	40	2 x 36W	
			36	5.760	160	40	2 x 58W	
			42	6.650[1)]	158	35	> 2 x 58W	
16415 0016	**164 12L90G2**	1	57	8.990	158	40	2 x 80W	3,1
16415 0017	**164 15L120G2**	1	78	12.030	154	40	4 x 58W	3,8

1) Factory setting

163/164... G2 DIMD

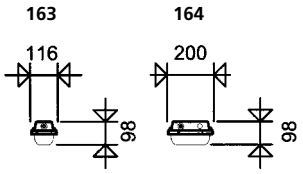
dimmable via DALI interface

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.

16302 0020	**163 12L22G2 DIMD**	1	15	2.390	159	40	1 x 36W	2,3
16302 0022	**163 12L42G2 DIMD**	1	27	4.210	156	40	2 x 36W	2,3
16302 0021	**163 15L34G2 DIMD**	1	21	3.450	164	40	1 x 58W	2,8
16302 0023	**163 15L60G2 DIMD**	1	39	6.140	157	40	2 x 58W	2,8
16415 0018	**164 12L90G2 DIMD**	1	57	8.990	158	40	2 x 80W	3,1
16415 0019	**164 15L120G2 DIMD**	1	78	12.030	154	40	4 x 58W	3,8

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





163... VARIO IFS / 164... 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 163/164 .. L..but:
Diffuser: cover Polycarbonate stippled clear.
Closure clips: Stainless steel (**KE**), incl. 2 safety clips (**KES**) to ensure protection against contact.

16319 0010	**163 12L VARIO IFS**	1	20	3.290	165	40	1 x 36W	2,3
			25	4.100	164	40	1 x 58W	
			29	4.920	170	40	2 x 36W	
			34	5.750[1)]	169	35	2 x 58W	
16319 0011	**163 15L VARIO IFS**	1	25	4.110	164	40	1 x 58W	2,8
			30	5.090	170	40	2 x 36W	
			36	6.100	169	40	2 x 58W	
			42	7.050[1)]	168	35	> 2 x 58W	
16419 0001	**164 12L90 IFS**	1	57	9.530	167	40	2 x 80W	3,1
16419 0002	**164 15L120 IFS**	1	78	12.750	163	40	4 x 58W	3,8

1) Factory setting

* 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



163/164... 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'

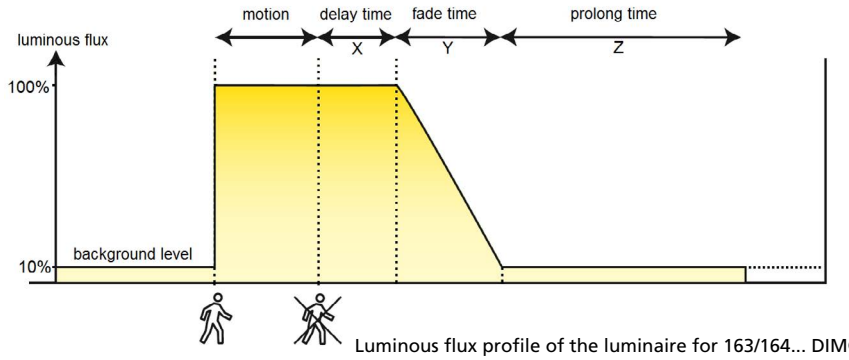
Design:
As standard version but with DALI-2 ECG and additional terminal point, labeled L', optionally with HF sensor (SENS types), see table.

	Clamping point L'	powerless switching	Integrated sensor	Switches off after 30 minutes
163/164... DIMC	x	x	–	–
163/164... DIMC-Z30	x	x	–	x
163... SENS	x	x	x	–
163... SENS-Z30	x	x	x	x

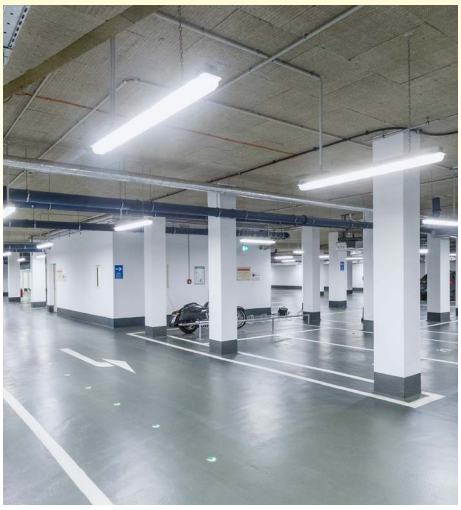
Product highlights:

- 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 163/164... 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 163/164... DIMC



163/164 ... G2 DIMC

IP65

dimmable via Corridor Mode

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

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
16302 0024	**163 12L22G2 DIMC**	1	15	2.390	159	40	1 x 36W	2,3
16302 0026	**163 12L42G2 DIMC**	1	27	4.210	156	40	2 x 36W	2,3
16302 0025	**163 15L34G2 DIMC**	1	21	3.450	164	40	1 x 58W	2,8
16302 0027	**163 15L60G2 DIMC**	1	39	6.140	157	40	2 x 58W	2,8
16415 0020	**164 12L90G2 DIMC**	1	57	8.990	158	40	2 x 80W	3,1
16415 0021	**164 15L120G2 DIMC**	1	78	12.030	154	40	4 x 58W	3,8

163/164 ... G2 DIMC-Z30

IP65

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

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

16302 0120	**163 12L22G2 DIMC-Z30**	1	15	2.390	159	40	1 x 36W	2,3
16302 0122	**163 12L42G2 DIMC-Z30**	1	27	4.210	156	40	2 x 36W	2,3
16302 0121	**163 15L34G2 DIMC-Z30**	1	21	3.450	164	40	1 x 58W	2,8
16302 0123	**163 15L60G2 DIMC-Z30**	1	39	6.140	157	40	2 x 58W	2,8
16415 0030	**164 12L90G2 DIMC-Z30**	1	57	8.990	158	40	2 x 80W	3,1
16415 0031	**164 15L120G2 DIMC-Z30**	1	78	12.030	154	40	4 x 58W	3,8



163... G2 SENS

IP65

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.

16302 0030	**163 12L22G2 SENS**	1	15	2.390	159	40	1 x 36W	2,1
16302 0031	**163 12L42G2 SENS**	1	27	4.210	156	40	2 x 36W	2,1
16302 0028	**163 15L34G2 SENS**	1	21	3.450	164	40	1 x 58W	2,5
16302 0029	**163 15L60G2 SENS**	1	39	6.140	157	40	2 x 58W	2,5



163... G2 SENS-Z30

IP65

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 %).

16302 0124	**163 12L22G2 SENS-Z30**	1	15	2.390	159	40	1 x 36W	2,1
16302 0126	**163 12L42G2 SENS-Z30**	1	27	4.210	156	40	2 x 36W	2,1
16302 0125	**163 15L34G2 SENS-Z30**	1	21	3.450	164	40	1 x 58W	2,5
16302 0127	**163 15L60G2 SENS-Z30**	1	39	6.140	157	40	2 x 58W	2,5

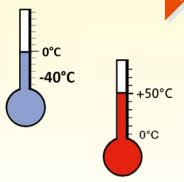
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

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

NEW

163... G2 T40/H50

IP65



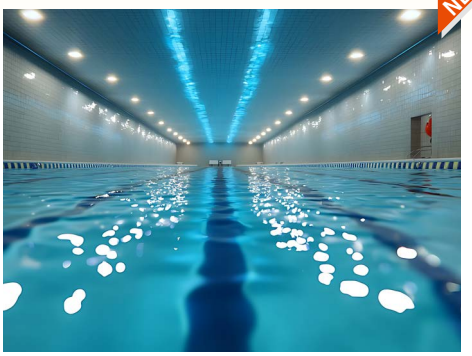
for wide temperature ranges from -40 °C up to +50°C

16302 0080	**163 12L22G2 T40 H50**	1	15	2.390	159	50	1 x 36W	2,4
16302 0082	**163 12L42G2 T40 H50**	1	27	4.210	156	50	2 x 36W	2,4
16302 0081	**163 15L34G2 T40 H50**	1	21	3.450	164	50	1 x 58W	2,8
16302 0083	**163 15L60G2 T40 H50**	1	39	6.140	157	50	2 x 58W	2,8

NEW

163... G2 VARIO SBL

IP65



for use in Swimming pools

Applications:
Swimming pools, indoor pools and chlorinated environments

Design:
Modified for high protection against chlorinated atmospheres.

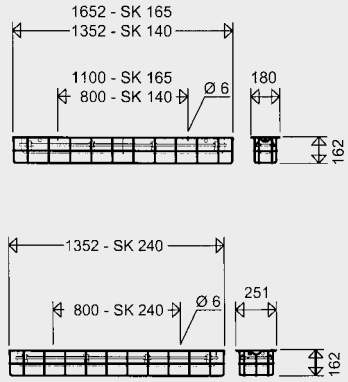
Attention: Fixing cables, ceiling brackets and wall brackets must be specially designed (on request).

16302 0200	**163 12LG2 VARIO SBL**	1	19	3.210	169	40	1 x 36W	2,3
			24	3.920	163	40	1 x 58W	
			29	4.620	159	40	2 x 36W	
			35	5.340[1)]	153	35	2 x 58W	
16302 0201	**163 15LG2 VARIO SBL**	1	24	4.010	167	40	1 x 58W	2,8
			31	4.900	158	40	2 x 36W	
			37	5.770	156	40	2 x 58W	
			43	6.680[1)]	155	35	> 2 x 58W	

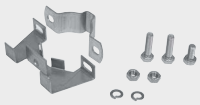
1) Factory setting

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

Protective guard



Pipe clamp R1 1/2" - Ø 48,3 mm
R2" - Ø 60,3 mm

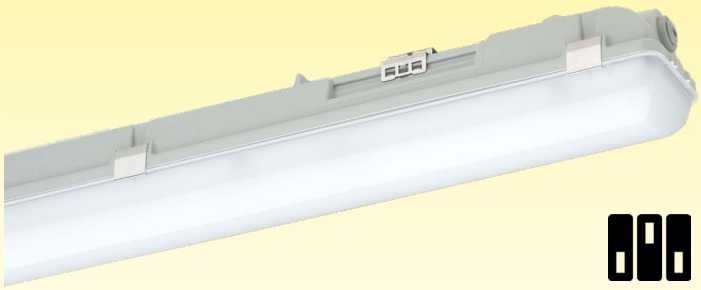


Ceiling bracket 183 DS



Accessories / Spare Parts

Article no.	Type		Article no.	Type	
Spare glasses, PMMA, frosted			**Spare glasses, PC, stippled clear**		
16711 9001	**ABD 163 036 F G2**	for 163 12L.. G2	16311 9004	**ABD 163 036 PC**	for 163 12L.. IFS
16711 9002	**ABD 163 058 F G2**	for 163 15L.. G2	16311 9005	**ABD 163 058 PC**	for 163 15L.. IFS
16411 9008	**ABD 164 036 F G2**	for 164 12L.. G2	16411 9004	**ABD 164 036 PC**	for 164 12L.. IFS
16411 9009	**ABD 164 058 F G2**	for 164 15L.. G2	16411 9005	**ABD 164 058 PC**	for 164 15L.. IFS
16311 9006	**ABD 163 036 F**	for 163 12L...			
16311 9007	**ABD 163 058 F**	for 163 15L...			
16411 9006	**ABD 164 036 F**	for 164 12L...			
16411 9007	**ABD 164 058 F**	for 164 15L...			
Fasteners					
90123 9007	**163 KK/KKS V08**	plastic, incl. 2 safety clips (packing unit 8 pcs.)			
90123 9006	**163 KE/KES V08**	stainless steel, incl. 2 safety clips (packing unit 8 pcs.)			
90123 9004	**163 KKS P**	1 pair of safety clips (for LED version), plastic			
90123 9005	**163 KES P**	1 pair of safety clips (for LED version), stainless steel			
Cable entries					
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			
Protective guard, powder coated					
90004 0002	**SK 140**	for 163 12...			
90004 0005	**SK 240**	for 164 12...			
Pipe clamps					
90245 0003	**163 RO 112A P**	1 1/2", stainless steel, with support (pair) for 163...			
90245 0004	**163 RO 2A P**	2", stainless steel, with support (pair) for 163...			
90245 0005	**164 RO 112A P**	1 1/2", stainless steel, with support (pair) for 164...			
90245 0006	**164 RO 2A P**	2", stainless steel, with support (pair) for 164...			
Attention: Observe the fixing distance when mounting on boom with pipe clamps (boom length!)					
Accessories for ceiling mounting					
90049 0002	**183 S**	swing hook for chain suspension			
90095 0001	**DS 183**	stainless steel bracket, with screw M5			
Infrared remote control for SENS-light fittings					
90295 9000	**FB SENSOTEC-MINI**	Infrared remote control for 163 .. SENS			

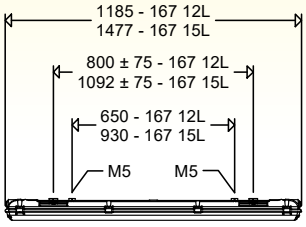


LUXANO 2

Dustproof/Waterproof LED Light Fitting with Diffuser

Series 167 ... G2 / 167... G2 VARIO

Applications:
In humid, wet and dusty indoor areas of industrial and agricultural premises, for workshops and car parks etc.
(For damp and cold ambient conditions with low duty cycles and in the case of aggressive atmosphere, please contact us)
Applications:
Housing: Glass fibre reinforced polyester resin, foamed polyurethane gasket.
Diffuser: PMMA, frosted for glare limitation.
Closures: stainless steel, in order to ensure the protection against contact.
The light fitting can be opened with a tool only.
Reflector: Painted, removable, completed with electronic components.
Electrical connection: 3-pole terminal block.
Cable entries: 2 blanking plugs M20. Cable entries open at the front. Variable cable entry pre-pressed on the long side and top side.
Mounting system: 2 retaining clips made of stainless steel, 2 bracket for chain suspension (part of the delivery)





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.

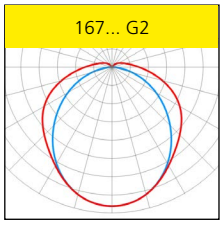
Design:
With integrated DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to four values. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.



Technical data:

LED: Linear modules 4,000 K, CRI > 80, service life L_{80} > 100,000 h at 25 °C ambient temperature, service life L_{70} > 100,000 h at max. ambient temperature

Type HE CS / HE VARIO / L100 / LW / ER DIMD / T40/50
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
Ambient temperature: -20 °C up to 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.
– coloured LEDs, for signal applications
– through-wiring (**DV**)
– cable looping at 1 small side
– rear cable entry
– protection class II (**SKII**)

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:

- quality luminaire with high-end components from renowned manufacturers
- stainless steel locking fasteners
- **safety locks** to ensure protection against accidental contact
- **FastFix quick mounting system**, with retaining clips made of stainless steel for variable mounting distances, without opening the fitting
- **variable cable entries**, closed knock-outs on the short and long sides, and on the backside
- **homogeneous illumination by using frosted diffusers,** no individual light spots visible, comfortable perception of light and excellent glare limitation
- high flexibility thanks to a wide range of modifications
- control gear and LED-module replaceable by qualified personnel on-site

! 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.

Notes:

In case of horizontal installation, the light fitting must be fixed directly with screws (washer and pressure disk are included) or it must be mounted with reinforced retaining clips (see accessories)!

167... G2 VARIO

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
16700 0020	**167 12LG2 VARIO**	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.300[1)]	143	35	2 x 36W	
16700 0021	**167 15LG2 VARIO**	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200[1)]	144	35	2 x 58W	
NEW 16700 0022	**167 15L100 G2 VARIO**	1	18	3.030	168	50	< 1x 58W	2,0
			31	5.450	176	40	< 2x 58W	
			40	6.940[1)]	174	40	> 2x 58W	
			53	8.780	166	35	< 3x 58W	
			62	10.110	163	35	3x 58W	
			70	11.210	160	35	< 4x 58W	

BestSelect – a selection of tried-and-tested SCHUCH luminaires for your everyday needs. More at: www.schuch.de/BestSelect

167... G2 HE VARIO

highly efficient design for reduced energy consumption

The luminaire luminous flux can be set to four values. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.

16704 0001	**167 12LG2 HE VARIO**	1	19	3.250[1)]	171	40	1 x 58W	1,7
			24	4.000	167	40	>1 x 58W	
			29	4.770	164	40	2 x 36W	
			34	5.540	163	35	>2 x 36W	
16704 0002	**167 15LG2 HE VARIO**	1	24	4.070	170	40	>1 x 58W	2,0
			30	5.000	167	40	2 x 36W	
			36	5.960[1)]	166	40	2 x 58W	
			43	6.930	161	35	>2 x 58W	

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).

167... G2 VARIO AUS

for application in unprotected outdoor areas

Applications:
In protected and unprotected outdoor areas, mounted to walls, ceilings, catwalks, under canopies, bus stops, train stations, subways, construction sites, etc.

Design:
As type 167... G2, but:
Diffuser: UV proof
Gasket: silicone
Pressure compensation element: M20
Entries: 1 gland M20 at one small side, pressure compensation element M20 at the other small side.
Mounting system: 2 reinforced retaining clips (also suitable for horizontal wall mounting) made of stainless steel (part of the delivery)

16701 0030	**167 12LG2 VARIO AUS**	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.3001)	143	35	2 x 36W	
16701 0031	**167 15LG2 VARIO AUS**	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200[1)]	144	35	2 x 58W	
NEW 16701 0032	**167 15L100G2 VARIO AUS**	1	18	3.030	168	50	< 1x 58W	2,0
			31	5.450	176	40	< 2x 58W	
			40	6.940[1)]	174	40	> 2x 58W	
			53	8.780	166	35	< 3x 58W	
			62	10.110	163	35	3x 58W	
			70	11.210	160	35	< 4x 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]	Tmax [°C]	Substitute for *	Weight [kg] without packing material

167... G2 VARIO IFS

Notes:
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.

for application in food industry areas

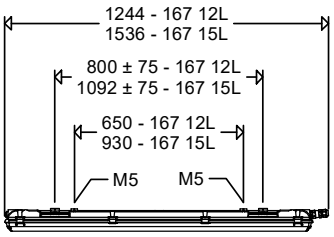
Applications:
Food industry or food processing factories, suppliers to the food industry who are falling in the International Featured Standard Food, BRC, HACCP or who are subject to comparably strict requirements.

Design:
Same as type 167... G2 but:
Diffuser: cover Polycarbonate, frosted.

16719 0020	**167 12LG2 VARIO IFS**	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.300[1)]	143	35	2 x 36W	
16719 0021	**167 15LG2 VARIO IFS**	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200[1)]	144	35	2 x 58W	
NEW 16719 0022	**167 15L100G2 VARIO IFS**	1	18	3.030	168	50	< 1x 58W	2,0
			31	5.450	176	40	< 2x 58W	
			40	6.940[1)]	174	40	> 2x 58W	
			53	8.780	166	35	< 3x 58W	
			62	10.110	163	35	3x 58W	
			70	11.210	160	35	< 4x 58W	

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







NEW 167... G2 VARIO FC

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 8.3 – 11.5 mm)

Advantages of the FastConnect version:
- quick connection plug with pre-assembled strain relief
- installation and electrical connection without opening the light fitting
- Time saving during luminaire installation ≥ 50 %

16700 0060	**167 12LG2 VARIO FC**	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.300[1)]	143	35	2 x 36W	
16700 0061	**167 15LG2 VARIO FC**	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200[1)]	144	35	2 x 58W	

1) Factory setting

* 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.



167... G2 SENS-S - 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' without power

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

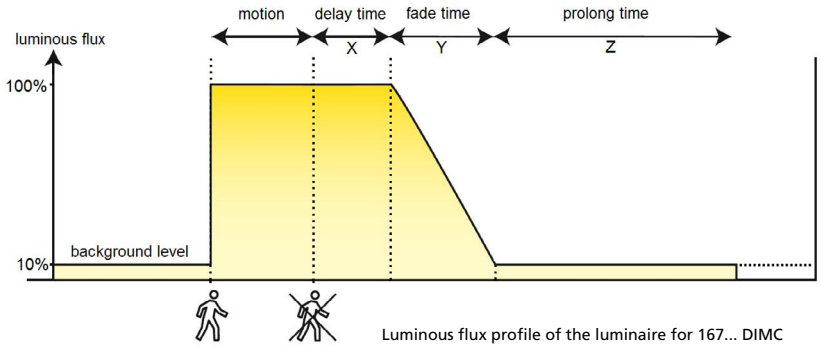
Table comparing SENS, DIMC and SENS-S luminaires:

	Clamping point L'	powerless switching/ max. swit-ching capacity	Integrated Sensor	Standard Background Level	Switches off after 30 minutes
167... G2 DIMC	x	powerless	–	10 %	–
167... G2 DIMC-Z30	x	powerless	–	10 %	x
167... G2 SENS	x	powerless	x	10 %	-
167... G2 SENS-Z30	x	powerless	x	10 %	x
167... G2 SENS-S	x	400 W	x	none	–

General 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

General 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 up to 10 m. 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 167... 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 167... DIMC

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material

167... G2 DIMC

with Corridor Mode

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

16700 0037	**167 12L42G2 DIMC**	1	30	4.100	137	35	2 x 36W	1,7
16700 0036	**167 15L34G2 DIMC**	1	28	3.850	138	35	1 x 58W	2,0
16700 0038	**167 15L60G2 DIMC**	1	43	6.000	140	35	2 x 58W	2,0
16700 0039	**167 15L100G2 DIMC**	1	70	11.210	160	35	3 x 58W	2,2

167... G2 DIMC-Z30

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 %).

16700 0067	**167 12L42G2 DIMC-Z30**	1	30	4.100	137	35	2 x 36W	1,7
16700 0066	**167 15L34G2 DIMC-Z30**	1	28	3.850	138	35	1 x 58W	2,0
16700 0068	**167 15L60G2 DIMC-Z30**	1	43	6.000	140	35	2 x 58W	2,0
16700 0089	**167 15L100G2 DIMC-Z30**	1	70	11.210	160	35	3 x 58W	2,2



167... G2 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.

16700 0050	**167 12L42G2 SENS**	1	23	3.840	167	40	2 x 36W	1,7
16700 0051	**167 15L34G2 SENS**	1	21	3.660	174	40	1 x 58W	2,0
16700 0052	**167 15L60G2 SENS**	1	36	5.810	166	40	2 x 58W	2,0



167... G2 SENS-Z30

DIMC-Z30 version with integrated motion sensor and switch-off function (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 %)..

16700 0055	**167 12L42G2 SENS-Z30**	1	23	3.840	167	40	2 x 36W	1,7
16700 0056	**167 15L34G2 SENS-Z30**	1	21	3.660	174	40	1 x 58W	2,0
16700 0057	**167 15L60G2 SENS-Z30**	1	36	5.810	166	40	2 x 58W	2,0

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

167... G2 SENS_S - General information

Applications:
Smaller areas where the lighting is controlled by motion sensors or door contacts, e.g. storage rooms, parking bays, bicycle parking areas, etc.

Design:
Same as the standard version, but with an HF sensor (SENS-S types) clamp L.'

Table comparing DIMC-, SENS-, and SENS-S luminaires:

	Clamping point L'	powerless switching/ max. swit-ching capacity	Integrated Sensor	Standard Background Level	Switches off after 30 minutes
167... G2 DIMC	x	powerless	–	10 %	–
167... G2 DIMC-Z30	x	powerless	–	10 %	x
167... G2 SENS	x	powerless	x	10 %	-
167... G2 SENS-Z30	x	powerless	x	10 %	x
167... G2 SENS-S	x	400 W	x	none	–

Product highlights SENS-S:

- the most cost-effective solution with sensors
- large energy saving potential
- no software or apps required for operation
- no gateway required
- "Stand-alone operation" possible

Technical data:
Control: A single SENS-S luminaire can switch lighting loads of up to 400 W.
Detection range of the HF sensor: Depending on the height of the light source, the detection range is up to 10 m. Structures such as concrete pillars may restrict the detection range. Materials such as plasterboard walls can be penetrated.
Factory settings:
– Sensor hold time: 5 minutes
– Detection range: 100 %
– Twilight threshold: disabled (the light switches on whenever movement is detected)
Setting options: via DIP switches on the sensor.
– Sensor hold time: 5 s / 90 s / 5 min / 15 min
– Detection range: 10% / 50% / 75% / 100%
– Twilight threshold: disabled / 50 lux / 10 lux / 2 lux
Ambient temperature: -20 °C to see table



NEW

167... G2 SENS-S

IP65

with integrated motion sensor

Design:
Same as the standard version, but with an integrated motion sensor. The luminaire can control LED lighting systems with a total power consumption of up to 400 W

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
16700 0045	**167 12LG2 VARIO SENS-S**	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.300[1)]	143	35	2 x 36W	
16700 0046	**167 15LG2 VARIO SENS-S**	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200[1)]	144	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]	Tmax [°C]	Substitute for *	Weight [kg] without packing material

167... G2 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.

16700 0033	**167 12L42G2 DIMD**	1	30	4.100	137	35	2 x 36W	1,7
16700 0032	**167 15L34G2 DIMD**	1	28	3.850	138	35	1 x 58W	2,0
16700 0034	**167 15L60G2 DIMD**	1	43	6.000	140	35	2 x 58W	2,0
16700 0035	**167 15L100G2 DIMD**	1	70	11.210	160	35	3 x 58W	2,2



167... G2 HE 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:

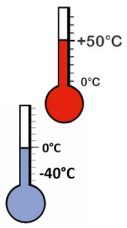
As standard version, but with **CASAMBI®**-enabled control gear for smart lighting control.

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
- high-efficiency design (**HE**) for reduced energy consumption
- significant reduction of operating costs and CO_2 reduction

16700 0090	**167 12L42G2 HE CS**	1	27	4.380	162	40	2 x 36W	1,7
16700 0091	**167 15L60G2 HE CS**	1	39	6.460	166	40	2 x 58W	2,0



167... G2 T40 / H50

for wide temperature ranges from -40 °C up to +50 °C

16700 0083	**167 12L42G2 T40 H50**	1	27	4.380	162	50	2 x 36W	1,7
16700 0082	**167 15L34G2 T40 H50**	1	24	4.070	170	50	1 x 58W	2,0
16700 0084	**167 15L60G2 T40 H50**	1	39	6.460	166	50	2 x 58W	2,0

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





167... G2 HL

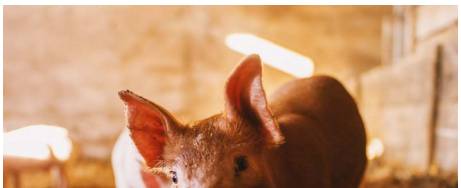
for particularly humid rooms

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.

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

Design:
As standard version 167...G2, but with corrosion-protected components.
Seal: Silicone
Cable entry: 1 M20 screw connection on one end, 1 M20 screw plug on the other end.
Mounting: 2 reinforced retaining clips (also suitable for (also suitable for horizontal wall mounting) made of stainless steel, 2 brackets for chain suspension (included in scope of delivery).

Product highlights:
- specially designed for high humidity with predominantly short operating times
- corrosion-proof encapsulated ECG
- highly resistant LED modules with additional protective coating
- extremely efficient
- low-glare light due to satinised cover tray



167... G2 LW

for application in stables and agriculture farming

Applications:
Pigsties with increased ammonia exposure, dairy cattle, cattle and horse barns.
Damp, wet and dusty rooms in agricultural premises as well as rooms with increased fire risk due to combustible dusts, e.g. barns, straw and feed storage.

Design:
Same as type 167... G2 but with corrosion-proof and highly ammonia-resistant components.
Gasket: silicone
Cable entries: 1 gland M20 at one small side, blanking plug M20 at the other small side.
Mounting system: 2 reinforced retaining clips (also suitable for horizontal wall mounting), made of stainless steel, 2 brackets for chain suspension (part of the delivery).

Product highlights:
- permanently ammonia-resistant design
- corrosion-proof encapsulated electronic ballast
- highly resistant LED Modules with additional protective coating
- extremely efficient up to 174 lm/W
- none-flickering light to avoid stress and to ensure animal welfare
- DLG (German Agricultural Society) exam

SCHUCH LUXANO 2 LW
✓ Resistance to ammonia
✓ Cleaning distance
DLG Test Report 7542

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
16706 0003	**167 12L42G2 HL**	1	23	4.000	174	35	1 x 58W	1,7
16706 0004	**167 15L60G2 HL**	1	37	6.140	166	35	2 x 58W	2,0
16702 0013	**167 12L42G2 LW**	1	23	4.000	174	35	1 x 58W	1,7
16702 0014	**167 15L60G2 LW**	1	37	6.140	166	35	2 x 58W	2,0

* 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]	Tmax [°C]	Substitute for *	Weight [kg] without packing material

Note:
The light fitting 167 ... G2 ER DIMD is not suitable for use in pig stalls! We recommend using our 107... PRIMO XR LW DIMD series.



167... G2 ER DIMD

for application in stables and agriculture farming

Applications:
In poultry farming in accordance with the German Animal Welfare (TierSCHNutztV), dairy cattle, cattle and horse stables.
Damp, wet and dusty rooms in agricultural premises as well as rooms with increased fire risk due to combustible dusts, e.g. barns, straw and feed stores.

Design:
Like version 167 ... G2 LW but with DALI-2-ECG (not encapsulated in a corrosion-proof manner) and 2 additional terminal points. Dimming range 1-100 %.
Compatible with **LIMAS Line** Light Management System.

16702 0023	**167 12L42G2 ER DIMD**	1	24	4.170	174	35	2 x 36W	1,7
16702 0024	**167 15L60G2 ER DIMD**	1	37	6.140	166	35	2 x 58W	2,0

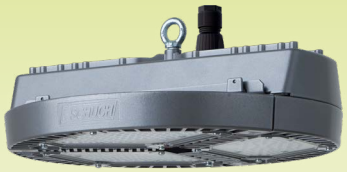
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

Gas-tight encapsulated light sensor

Specially developed for use in environments contaminated with harmful gases, our new LL XR DS4 light sensor is ideal for animal houses contaminated with ammonia. Robustly constructed and gas-tight encapsulated, it offers outstanding durability and reliability in these demanding areas.
See catalog chapter Light management systems / LIMAS Line.

Accessories / Spare Parts

Article no.	Type	
spare glasses, PMMA, frosted		
16711 9003	**ABD 167 12 G2**	cover, frosted PMMA diffuser, for 167 12 ... G2
16711 9004	**ABD 167 15 G2**	cover, frosted PMMA diffuser, for 167 15 ... G2
16711 9005	**ABD 167 12 G2 PC**	cover, frosted PC diffuser, for 167 12 ... G2
16711 9006	**ABD 167 15 G2 PC**	cover, frosted PC diffuser, for 167 15... G2
Fasteners		
90123 9008	**167G2 KE V10**	stainless steel (packing unit 10)
Cable entries/pressure compensation elements		
90063 9000	**2511**	blanking plug M20
25610 9000	**2561**	plastic cable gland M20 x 1,5
90259 9002	**DAE20**	pressure compensation element M20 for ... AUS
Accessories		
90049 0004	**HK 167 G2 P**	1 pair of retaining clips (stainless steel) reinforced for variable mounting
Infrared remote control for SENS-light fittings		
90295 9000	**FB SENSOTEC-MINI**	Infrared remote control for 167... G2 SENS



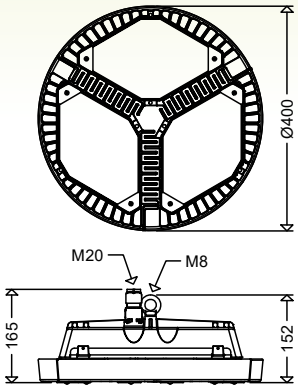
NEW

TRIANO 3nd Generation
LED High Bay Fitting
Series 3401/3402... G3

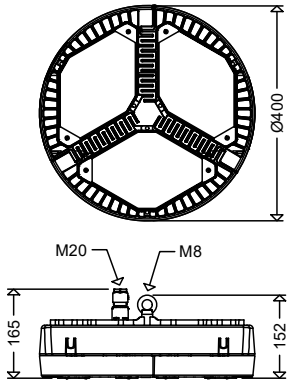
Applications:
Production areas and warehouses, maintenance and assembly shops, cool storage facilities, walkways in rack areas, hardware stores etc.

Design:
LED-segment: Robust three-part cast aluminium housing with cooling fins, LED-modules and flat safety glasses (IK09), versions **B, TB** or **T** with PC-cover and incorporated optics .
ECG-housing: Cast aluminium
All case parts powder coated in DB 702, smooth, matt.
Light distribution: Without optics wide beam, with optics wide (**B**), narrow-wide (**TB**) or narrow beam (**T**).
Connection: 5-pole quick connection from the outside.
Mounting: 1-point suspension, eyelet included.

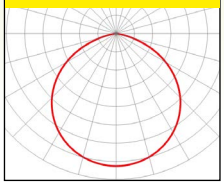
3401... G3



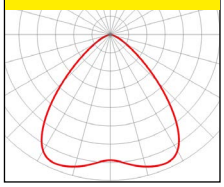
3402... G3



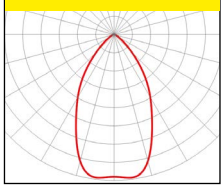
3401/3402....



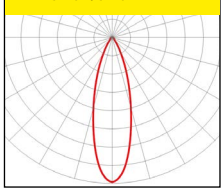
3401/3402.... B



3401/3402.... TB



3401/3402.... T



Technical Data:
LED module: 4,000 K or 5,000 K, CRI > 80, service life L_{90} > 50,000 h at 25 °C ambient temperature, service life L_{70} > 100,000h at max. ambient temperature
ECG: 220-240 V, 50/60 Hz, Surge voltage resistance 4 kV, overload and short circuit protection.
Ambient temperature: -25 °C up to .. °C (see article tables)

Options:
- according to 'International Featured Standard Food' (**IFS**), with PC cover, without optics
- for higher ambient temperatures (**H70**), up to +70 °C
- silicone-free
- for connection to central emergency supply systems (**ZB**)
- dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
- constant luminous flux function (**CL**)
- radio-controlled Light Management System for industrial indoor areas (**LIMAS Air**)



General product highlights:
- **long-lasting, corrosion-resistant** die-cast aluminium housing
- **excellent thermal management** through cooling fin structure and direct connection of the LED modules to the housing. Huge heat sink, excellent heat dissipation, excellent convection.
- **uniform illumination due to the „Multi-Layer Technology"**
- **high system service life of up to 100,000 h**, saves premature replacement and conserves valuable resources
- **high energy cost savings** thanks to low connected load and high efficiency
- **fast mounting and commissioning due to 1-point suspension and external quick connection**
- control gear and LED-module replaceable by qualified personnel on-site



! 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.

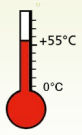
The versions with optics (**B**, **TB** and **T**) are suitable for use in food areas (**IFS / HACCP**).

3401... G3

IP65

colour temperature 4.000K (light colour 840)

Article no.	Type	dimmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
34017 0001	**3401 L100 G3**		•			55	6,3	61	10.000	164	HME250
34017 0002	**3401 L100B G3**		•								
34017 0003	**3401 L100TB G3**			•							
34017 0004	**3401 L100 G3 DIMD**	•	•								
34017 0005	**3401 L100B G3 DIMD**	•	•								
34017 0006	**3401 L100TB G3 DIMD**	•		•							

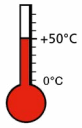


colour temperature 5.000K (light colour 850)

34017 0013	**3401 L100 G3 850**		•			55	6,3	61	10.000	164	HME250
34017 0014	**3401 L100B G3 850**		•								
34017 0015	**3401 L100TB G3 850**			•							
34017 0016	**3401 L100 G3 DIMD 850**	•	•								
34017 0017	**3401 L100B G3 DIMD 850**	•	•								
34017 0018	**3401 L100TB G3 DIMD 850**	•		•							

colour temperature 4.000K (light colour 840)

34017 0007	**3401 L200 G3**		•			50	6,3	123	20.000	163	HIT 250, HME 400, HIE 400 (HS-VG)
34017 0008	**3401 L200B G3**		•								
34017 0009	**3401 L200TB G3**			•							
34017 0010	**3401 L200 G3 DIMD**	•	•								
34017 0011	**3401 L200B G3 DIMD**	•	•								
34017 0012	**3401 L200TB G3 DIMD**	•		•							



colour temperature 5.000K (light colour 850)

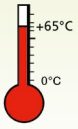
34017 0019	**3401 L200 G3 850**		•			50	6,3	123	20.000	163	HIT 250, HME 400, HIE 400 (HS-VG)
34017 0020	**3401 L200B G3 850**		•								
34017 0021	**3401 L200TB G3 850**			•							
34017 0022	**3401 L200 G3 DIMD 850**	•	•								
34017 0023	**3401 L200B G3 DIMD 850**	•	•								
34017 0024	**3401 L200TB G3 DIMD 850**	•		•							

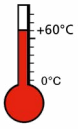
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

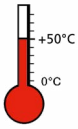
The versions with optics (**B**, **TB** and **T**) are suitable for use in food areas (**IFS / HACCP**).

3402... G3

IP65







Article no.	Type	dimmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
colour temperature 4.000K (light colour 840)											
34012 0023	**3402 L100 G3**		•			65	6,5	61	10.000	164	HME250
34012 0025	**3402 L100B G3**		•								
34012 0027	**3402 L100TB G3**			•							
34012 0024	**3402 L100 G3 DIMD**	•	•								
34012 0026	**3402 L100B G3 DIMD**	•	•								
34012 0028	**3402 L100TB G3 DIMD**	•		•							
colour temperature 5.000K (light colour 850)											
34012 0001	**3402 L100 G3 850**		•			65	6,5	61	10.000	164	HME250
34012 0003	**3402 L100B G3 850**		•								
34012 0005	**3402 L100TB G3 850**			•							
34012 0002	**3402 L100 G3 DIMD 850**	•	•								
34012 0004	**3402 L100B G3 DIMD 850**	•	•								
34012 0006	**3402 L100TB G3 DIMD 850**	•		•							
colour temperature 4.000K (light colour 840)											
34012 0029	**3402 L200 G3**		•			60	6,5	123	20.000	163	HIT250, HME400, HIE400 (HS-VG)
34012 0031	**3402 L200B G3**		•								
34012 0033	**3402 L200TB G3**			•							
34012 0035	**3402 L200T G3**				•						
34012 0030	**3402 L200 G3 DIMD**	•	•								
34012 0032	**3402 L200B G3 DIMD**	•	•								
34012 0034	**3402 L200TB G3 DIMD**	•		•							
34012 0036	**3402 L200T G3 DIMD**	•			•						
colour temperature 5.000K (light colour 850)											
34012 0007	**3402 L200 G3 850**		•			60	6,5	123	20.000	163	HIT250, HME400, HIE400 (HS-VG)
34012 0009	**3402 L200B G3 850**		•								
34012 0011	**3402 L200TB G3 850**			•							
34012 0013	**3402 L200T G3 850**				•						
34012 0008	**3402 L200 G3 DIMD 850**	•	•								
34012 0010	**3402 L200B G3 DIMD 850**	•	•								
34012 0012	**3402 L200TB G3 DIMD 850**	•		•							
34012 0014	**3402 L200T G3 DIMD 850**	•			•						
colour temperature 4.000K (light colour 840)											
34012 0037	**3402 L300 G3**		•			50	6,7	190	30.000	158	HIE400 (HS-VG), HIT400
34012 0039	**3402 L300B G3**		•								
34012 0041	**3402 L300TB G3**			•							
34012 0043	**3402 L300T G3**				•						
34012 0038	**3402 L300 G3 DIMD**	•	•								
34012 0040	**3402 L300B G3 DIMD**	•	•								
34012 0042	**3402 L300TB G3 DIMD**	•		•							
34012 0044	**3402 L300T G3 DIMD**	•			•						
colour temperature 5.000K (light colour 850)											
34012 0015	**3402 L300 G3 850**		•			50	6,7	190	30.000	158	HIE400 (HS-VG), HIT400
34012 0017	**3402 L300B G3 850**		•								
34012 0019	**3402 L300TB G3 850**			•							
34012 0021	**3402 L300T G3 850**				•						
34012 0016	**3402 L300 G3 DIMD 850**	•	•								
34012 0018	**3402 L300B G3 DIMD 850**	•	•								
34012 0020	**3402 L300TB G3 DIMD 850**	•		•							
34012 0022	**3402 L300T G3 DIMD 850**	•			•						

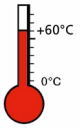
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

3402... G3 VARIO

Design:
Same as type 3402... G3 but: With an integrated DIP switch for for variable adjustment of the luminous flux in the luminaire.

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)

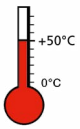


colour temperature 4.000K (light colour 840)

Article no.	Type	Wide beam	Narrow wide beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm] 1)	Light output [lm/W]	Substitute for *
34014 0001	**3402 L200 G3 VARIO**	•		60	6,5	70 - 123	11.430 -20.000	163	HME250 - HIT250, HME400, HIE400 (HI-VG)
34014 0002	**3402 L200B G3 VARIO**	•							
34014 0003	**3402 L200TB G3 VARIO**		•						

colour temperature 5.000K (light colour 850)

34014 0007	**3402 L200 G3 VARIO 850**	•		60	6,5	70 - 123	11.430 -20.000	163	HME250 - HIT250, HME400, HIE400 (HI-VG)
34014 0008	**3402 L200B G3 VARIO 850**	•							
34014 0009	**3402 L200TB G3 VARIO 850**		•						



colour temperature 4.000K (light colour 840)

34014 0004	**3402 L300 G3 VARIO**	•		50	6,7	109 - 190	17.140 - 30.000	158	HIT250, HME400, HIE400 (HI-VG) HIE400 (HS-VG), HIT400
34014 0005	**3402 L300B G3 VARIO**	•							
34014 0006	**3402 L300TB G3 VARIO**		•						

colour temperature 5.000K (light colour 850)

34014 0010	**3402 L300 G3 VARIO 850**	•		50	6,7	109 - 190	17.140 - 30.000	158	HIT250, HME400, HIE400 (HI-VG) HIE400 (HS-VG), HIT400
34014 0011	**3402 L300B G3 VARIO 850**	•							
34014 0012	**3402 L300TB G3 VARIO 850**		•						

Factory setting L200: 123 W; replaces approx. ca. HIT 250
Factory setting L300: 190 W; replaces approx. HIT 400

1) possible setting range


Foto: Rosoriginal, Alphen aan den Rijn

NEW

RFL - Ready for Light Management Systems

Design:

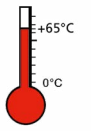
Same as standard version, but prepared for the subsequent use of a Light Management System. Iintegrated sockets allows retrofitting of Light Management components without tools.

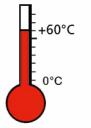
Product highlights:

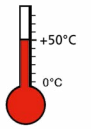
- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System accessories

Available on request with ESG cover and T-optics.









3402... G3 RFLOU

IP65

with a socket on the top and bottom side of the luminaire

Article no.	Type	Wide beam	Narrow wide beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
colour temperature 4.000K (light colour 840)									
34013 0046	**3402 L100B G3 RFLSOU**	•		65	6,5	61	10.000	164	HME250
34013 0047	**3402 L100TB G3 RFLSOU**		•						
colour temperature 5.000K (light colour 850)									
34013 0057	**3402 L100B G3 850 RFLSOU**	•		65	6,5	61	10.000	164	HME250
34013 0058	**3402 L100TB G3 850 RFLSOU**		•						
colour temperature 4.000K (light colour 840)									
34013 0049	**3402 L200B G3 RFLSOU**	•		60	6,5	123	20.000	163	HIT250, HME400, HIE400 (HS-VG)
34013 0050	**3402 L200TB G3 RFLSOU**		•						
colour temperature 5.000K (light colour 850)									
34013 0060	**3402 L200B G3 850 RFLSOU**	•		60	6,5	123	20.000	163	HIT250, HME400, HIE400 (HS-VG)
34013 0061	**3402 L200TB G3 850 RFLSOU**		•						
colour temperature 4.000K (light colour 840)									
34013 0053	**3402 L300B G3 RFLSOU**	•		50	6,7	190	30.000	158	HIE400 (HS-VG), HIT400
34013 0054	**3402 L300TB G3 RFLSOU**		•						
colour temperature 5.000K (light colour 850)									
34013 0064	**3402 L300B G3 850 RFLSOU**	•		50	6,7	190	30.000	158	HIE400 (HS-VG), HIT400
34013 0065	**3402 L300TB G3 850 RFLSOU**		•						

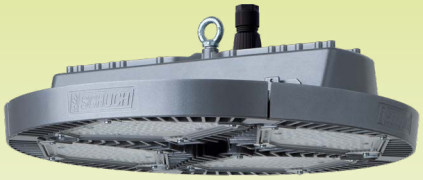
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

System accessories

Article No.	Type	
90547 9011	**LACA TAST4 AP**	Battery-free, 4-button CASAMBI® radio switch. Actuating the switch generates the energy required to power the switch electronics
90547 9009	**LACA TASTIF4 UP**	CASAMBI® push-button interface for connecting up to 4 volt-free push-button inputs. Designed for installation in a flush-mounted wall box
90546 9013	**RFL LACA FM DS**	CASAMBI® radio module with light sensor for RFL sockets

Accessories / Spare Parts

Article no.	Type	
34011 9001	**ABD TRIANO ESGW**	cover, clear safety glass pane (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9003	**ABD TRIANO PRA PMMA**	cover, clear PMMA disc with outer prisms (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9002	**ABD TRIANO PC**	cover, clear PC IFS disc (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9004	**ABD TRIANO B PC**	cover, clear PC disc , wide beam (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9005	**ABD TRIANO TB PC**	cover, clear PC disc, narrow-beam wide distribution (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9006	**ABD TRIANO T PC**	cover, clear PC disc, narrow beam (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9013	**SAS 3401 G3**	cover, shield gakvanized steel, painted as a dirt shield retrofitting, for 3401... G3
34011 9012	**SAS 3402 G3**	cover, shield gakvanized steel, painted as a dirt shield retrofitting, for 3402... G3



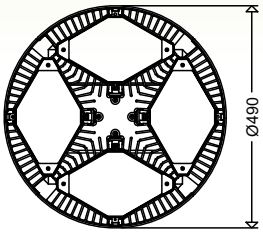
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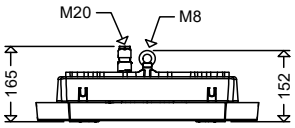
TRIANO L Generation 3
LED High Bay Fitting
Series 3403... G3

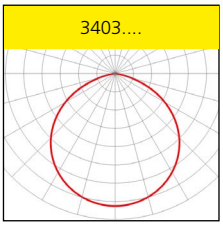
Applications:
Production areas and warehouses, maintenance and assembly shops, cool storage facilities, walkways in rack areas, hardware stores etc.

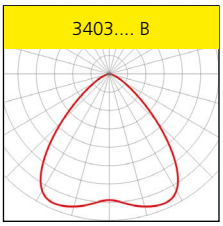
Design:
LED-segment: Robust four-part cast aluminium housing with cooling fins, LED-modules and flat safety glasses (IK09), versions **B, TB** or **T** with PC-cover and incorporated optics .
ECG-housing: Cast aluminium
All case parts powder coated in DB 702, smooth, matt.

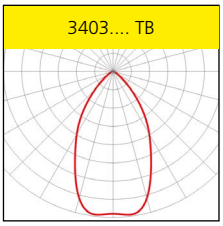
Light distribution: Without optics wide beam, with optics wide (**B**), narrow-wide (**TB**) or narrow beam (**T**).
Connection: 5-pole quick connection from the outside.
Mounting: 1-point suspension, eyelet included.

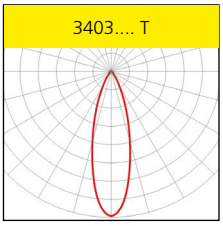










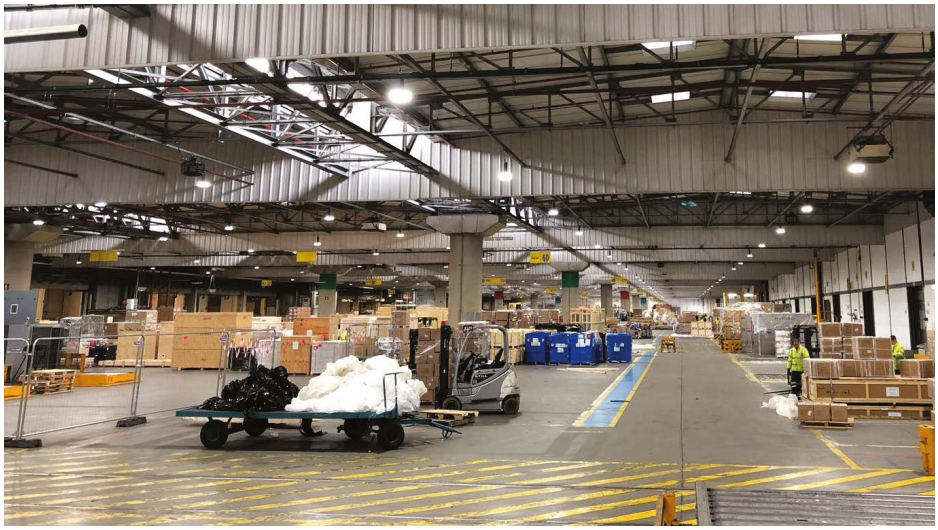


Technical Data:
LED module: 4,000 K or 5,000 K, CRI > 80, service life L_{90} > 50,000 h at 25 °C ambient temperature, service life L_{70} > 100,000h at max. ambient temperature
ECG: 220-240 V, 50/60 Hz, Surge voltage resistance 4 kV, overload and short circuit protection.
Ambient temperature: -25 °C up to .. °C (see article tables)

Options:
- according to 'International Featured Standard Food' (**IFS**), with PC cover, without optics
- for higher ambient temperatures (**H70**), up to +70 °C
- silicone-free
- for connection to central emergency supply systems (**ZB**)
- Ready for Lightmanagement System (**RFL**)
- dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
- power reduction with control phase (**LR**)
- constant luminous flux function (**CL**)
- radio-controlled Light Management System for industrial indoor areas (**LIMAS Air**)



Product highlights:
- **long-lasting, corrosion-resistant** die-cast aluminium housing
- **excellent thermal management** through cooling fin structure and direct connection of the LED modules to the housing. Huge heat sink, excellent heat dissipation, excellent convection.
- **uniform illumination due to the „Multi-Layer Technology"**
- **high system service life of up to 100,000 h**, saves premature replacement and conserves valuable resources
- **high energy cost savings** thanks to low connected load and high efficiency
- **fast mounting and commissioning due to 1-point suspension and external quick connection**
- control gear and LED-module replaceable by qualified personnel on-site



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

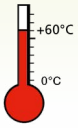
All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

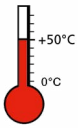
The versions with optics (**B**, **TB** and **T**) are suitable for use in food areas (**IFS / HACCP**).

3403... G3

IP65

Article no.	Type	dimmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
colour temperature 4.000K (light colour 840)											
34032 0017	**3403 L270 G3**		•			60	7,5	166	27.000	163	HIE 400 (HS-VG), HIT 400
34032 0019	**3403 L270B G3**		•								
34032 0021	**3403 L270TB G3**			•							
34032 0023	**3403 L270T G3**				•						
34032 0018	**3403 L270 G3 DIMD**	•	•								
34032 0020	**3403 L270B G3 DIMD**	•	•								
34032 0022	**3403 L270TB G3 DIMD**	•		•							
34032 0024	**3403 L270T G3 DIMD**	•			•						
colour temperature 5.000K (light colour 850)											
34032 0001	**3403 L270 G3 850**		•			60	7,5	166	27.000	163	HIE 400 (HS-VG), HIT 400
34032 0003	**3403 L270B G3 850**		•								
34032 0005	**3403 L270TB G3 850**			•							
34032 0007	**3403 L270T G3 850**				•						
34032 0002	**3403 L270 G3 DIMD 850**	•	•								
34032 0004	**3403 L270B G3 DIMD 850**	•	•								
34032 0006	**3403 L270TB G3 DIMD 850**	•		•							
34032 0008	**3403 L270T G3 DIMD 850**	•			•						
colour temperature 4.000K (light colour 840)											
34032 0025	**3403 L400 G3**		•			50	8,0	250	40.000	160	HME 700, HIT 400
34032 0027	**3403 L400B G3**		•								
34032 0029	**3403 L400TB G3**			•							
34032 0031	**3403 L400T G3**				•						
34032 0026	**3403 L400 G3 DIMD**	•	•								
34032 0028	**3403 L400B G3 DIMD**	•	•								
34032 0030	**3403 L400TB G3 DIMD**	•		•							
34032 0032	**3403 L400T G3 DIMD**	•			•						
colour temperature 5.000K (light colour 850)											
34032 0009	**3403 L400 G3 850**		•			50	8,0	250	40.000	160	HME 700, HIT 400
34032 0011	**3403 L400B G3 850**		•								
34032 0014	**3403 L400TB G3 850**			•							
34032 0015	**3403 L400T G3 850**				•						
34032 0010	**3403 L400 G3 DIMD 850**	•	•								
34032 0012	**3403 L400B G3 DIMD 850**	•	•								
34032 0013	**3403 L400TB G3 DIMD 850**	•		•							
34032 0016	**3403 L400T G3 DIMD 850**	•			•						





* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

Accessories / Spare Parts

Article no.	Type	
34011 9001	**ABD TRIANO ESGW**	cover, clear safety glass pane (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9003	**ABD TRIANO PRA PMMA**	cover, clear PMMA disc with outer prisms (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9002	**ABD TRIANO PC**	cover, clear PC IFS disc (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9004	**ABD TRIANO B PC**	cover, clear PC disc , wide beam (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9005	**ABD TRIANO TB PC**	cover, clear PC disc, narrow-beam wide distribution (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9006	**ABD TRIANO T PC**	cover, clear PC disc, narrow beam (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34031 0001	**SAS 3403 G3**	cover, shield gakvanized steel, painted as a dirt shield retrofitting, for 3403... G3

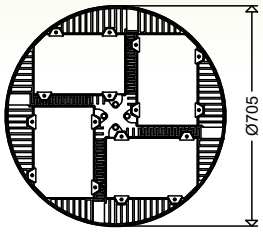
NEW

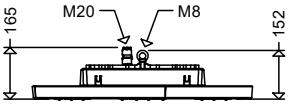
TRIANO XL Generation 3
LED High Bay Fitting
Series 3405... G3



Applications:
Indoor areas with high mounting heights or with a requirement for high illumination levels. E.g. shipyards, hangars, machine-, maintenance- and assembly shops, hardware stores etc..

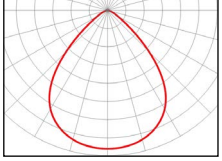
Design:
LED-segments: Robust four-part extruded aluminium housing with cooling fins, LED-modules and flat safety glasses (IK09)
All case parts powder coated in DB 702 (mica-iron paint, grey).
ECG-housing: Cast aluminium
All case parts powder coated in DB 702, smooth, matt.
Light distribution: With optics wide (**B**), narrow-wide (**TB**) or narrow beam (**T**).
Connection: 5-pole quick connection from the outside
Mounting: 1-point suspension, eyelet included.



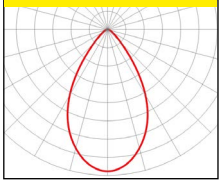


Technical Data:
LED module: 4,000 K or 5,000 K, CRI > 80, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50/60 Hz, Surge voltage resistance 4 kV, overload and short circuit protection.
Ambient temperature: -25 °C up to .. °C (see article tables)

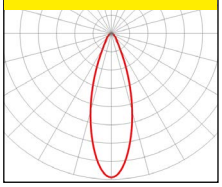
3405 .... B



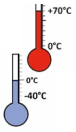
3405 .... TB



3405 .... T



Options:
- 5,000 K; light colour (**850**), e.g. in combination with TRIANO or TRIANO L high-bay luminaires
- in accordance with 'International Featured Standard Food' (**IFS**), with PC cover, without optics
- for higher ambient temperatures (**H70**), up to +70 °C
- for lower ambient temperatures (**T40**), down to -40 °C
- silicone-free



- Ready for Lightmanagement System (**RFL**)
- dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
- power reduction with control phase (**LR**)
- constant luminous flux function (**CL**)
- radio-controlled Light Management System for industrial indoor areas (**LIMAS Air**)

Product highlights:
- **long-lasting, corrosion-resistant** die-cast aluminium housing
- **excellent thermal management** through cooling fin structure and direct connection of the LED modules to the housing. Huge heat sink, excellent heat dissipation, excellent convection.
- **uniform illumination due to the „Multi-Layer Technology"**
- **high system service life of up to 100,000 h**, saves premature replacement and conserves valuable resources
- **high energy cost savings** thanks to low connected load and high efficiency
- **fast mounting and commissioning due to 1-point suspension and external quick connection**
- control gear and LED-module replaceable by qualified personnel on-site

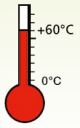


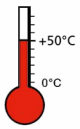
! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

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

3405... G3

IP65





Article no.	Type	dimmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
colour temperature 4.000K (light colour 840)											
34052 0003	**3405 L320B G3**		•			60	15,6	190	34.200	180	HIT 400
34052 0005	**3405 L320TB G3**			•							
34052 0007	**3405 L320T G3**				•						
34052 0004	**3405 L320B G3 DIMD**	•	•								
34052 0006	**3405 L320TB G3 DIMD**	•		•							
34052 0008	**3405 L320T G3 DIMD**	•			•						
colour temperature 5.000K (light colour 850)											
34052 0027	**3405 L320B G3 850**		•			60	15,6	190	34.200	180	HIT 400
34052 0029	**3405 L320TB G3 850**			•							
34052 0031	**3405 L320T G3 850**				•						
34052 0028	**3405 L320B G3 DIMD 850**	•	•								
34052 0030	**3405 L320TB G3 DIMD 850**	•		•							
34052 0032	**3405 L320T G3 DIMD 850**	•			•						
colour temperature 4.000K (light colour 840)											
34052 0011	**3405 L450B G3**		•			60	15,6	280	48.300	173	HIT 400, HME 700
34052 0013	**3405 L450TB G3**			•							
34052 0015	**3405 L450T G3**				•						
34052 0012	**3405 L450B G3 DIMD**	•	•								
34052 0014	**3405 L450TB G3 DIMD**	•		•							
34052 0016	**3405 L450T G3 DIMD**	•			•						
colour temperature 5.000K (light colour 850)											
34052 0035	**3405 L450B G3 850**		•			60	15,6	280	48.300	173	HIT 400, HME 700
34052 0037	**3405 L450TB G3 850**			•							
34052 0039	**3405 L450T G3 850**				•						
34052 0036	**3405 L450B G3 DIMD 850**	•	•								
34052 0038	**3405 L450TB G3 DIMD 850**	•		•							
34052 0040	**3405 L450T G3 DIMD 850**	•			•						
colour temperature 4.000K (light colour 840)											
34052 0019	**3405 L600B G3**		•			50	15,6	392	66.000	168	2 x HIT 400, HME 1000
34052 0021	**3405 L600TB G3**			•							
34052 0023	**3405 L600T G3**				•						
34052 0020	**3405 L600B G3 DIMD**	•	•								
34052 0022	**3405 L600TB G3 DIMD**	•		•							
34052 0024	**3405 L600T G3 DIMD**	•			•						
colour temperature 5.000K (light colour 850)											
34052 0043	**3405 L600B G3 850**		•			50	15,6	392	66.000	168	2 x HIT 400, HME 1000
34052 0045	**3405 L600TB G3 850**			•							
34052 0047	**3405 L600T G3 850**				•						
34052 0044	**3405 L600B G3 850 DIMD**	•	•								
34052 0046	**3405 L600TB G3 850 DIMD**	•		•							
34052 0048	**3405 L600T G3 850 DIMD**	•			•						

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

Accessories / Spare Parts

Article no.	Type	
34011 9011	**ABD 3405 ESGW**	cover, clear safety glass pane, for 3405... (1 segment)
34051 0002	**SAS 3405 G3**	cover, shield gakvanized steel, painted as a dirt shield retrofitting, for 3405... G3



NEW

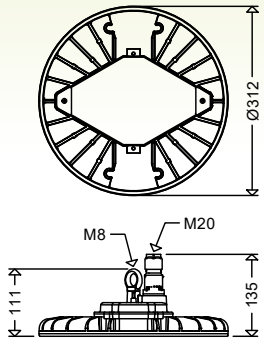
TRIANO *disc* Generation 4
LED High Bay Fitting
Series 3410/3420/3430... G4

Applications:
Production, assembly and storage halls in the commercial and industrial sectors, the food and supply industries (IFS), cold rooms, cold stores, DIY stores, etc.

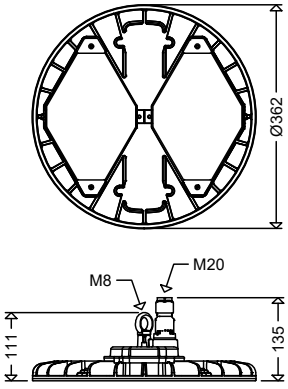
Design:
Robust die-cast aluminum body with cooling fins and integrated ECG housing, powder-coated in DB 702.
LED-module, PC covers with integrated optics.

Light distribution:
wide- (**B**) or narrow-wide beam (**TB**).
Connection: 3-pole (**DIMD** 5-pole) quick connection plug (**FastConnect FC-A**).
Mounting: 1-point suspension, suspended. Ring eyelet included.

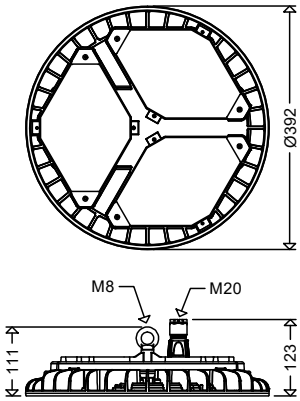
3410 ... G4



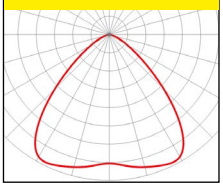
3420 ... G4



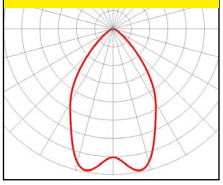
3430 ... G4



3410/3420/3430 .... B



3420/3430 .... TB

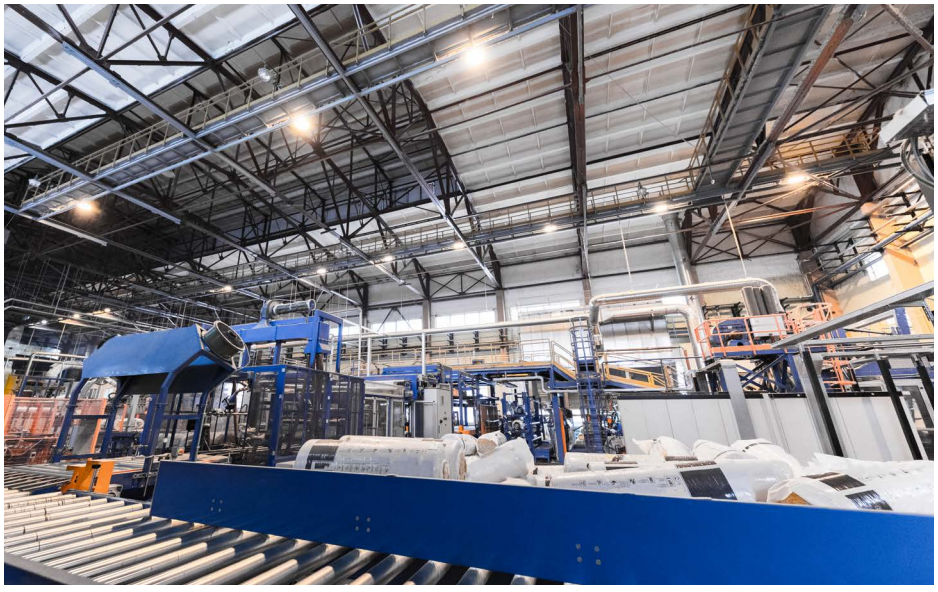


Technical Data:
LED module: 4,000 K or 5,000 K, CRI > 80, service life L_{95} > 100,000 h at max. ambient temperature
ECG: 220-240 V, 50/60 Hz, overload and short circuit protection
Ambient temperature: -25 °C up to .. °C (see article tables)

Options:
- 3,000 K; light colour (**830**)
– PMMA cover, with prismatic structure to limit glare
- for lower ambient temperatures (**T40**), down to -40 °C
- for higher ambient temperatures (**H70**), up to +70 °C
- for higher ambient temperatures (**H80**), up to +80 °C
– increased resistance (**ER**), against corrosive atmospheres
– ball sports proof version, spring-mounted or ceiling-mounted (3420 and 3430 series only)
– with integrated infrared motion detector
– swivel bracket for ceiling mounting

Options Luminous flux adjustment / Lighting control / Lighting management:
– power reduction with control phase (**LR**)
– constant luminous flux function (**CL**)
– radio-controlled Light Management System LIMAS Air CASA for industrial indoor areas
– wired (**DALI**) Light Management System LIMAS Line BASIC/PRO

Product highlights:
- **robust die-cast aluminium housing** with a high-quality powdercoating
- **compact, low-profile design** for use even in confined spaces
- **innovative cooling fin design for optimum heat dissipation and efficient convection,** ensuring reliable operation even at high ambient temperatures
- **exceptionally long service life of L95 > 100,000 h** at the maximum permissible ambient temperature
- **high luminous efficacy,** offering significant potential for savings on energy and running costs
- **ideal for use in the food industry** and itssupply chain, and compliant with all relevant IFS requirements
- **FastConnect quick connection plug** for tool-free electrical connection without opening the luminaire
- **repair-friendly design with replaceable components**
- **long-term availability of spare parts** for maximum investment security
- **5-year guarantee**
- developed and manufactured in Germany **"Made in Germany"**



High Bay Fittings

! 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.

The luminaires listed are suitable for use in food areas (**IFS / HACCP**).

3410/3420/3430... G4

IP65

3410... G4



Article no.	Type	Wide beam	Narrow wide beam	DALI dimmable	Light colour	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
34102 0001	**3410 L100B G4**	•			840	60	2,1	56	10.000	179	HME250
34102 0002	**3410 L100B G4 DIMD**	•		•	840						
34102 0003	**3410 L100B G4 850**	•			850						
34102 0004	**3410 L100B G4 DIMD 850**	•		•	850						

3420... G4



34202 0001	**3420 L200B G4**	•			840	50	2,8	112	20.000	179	HIT250, HME400, HIE400 (HI-EVG)
34202 0002	**3420 L200TB G4**		•		840						
34202 0003	**3420 L200B G4 DIMD**	•		•	840						
34202 0004	**3420 L200TB G4 DIMD**		•	•	840						
34202 0005	**3420 L200B G4 850**	•			850						
34202 0006	**3420 L200TB G4 850**		•		850						
34202 0007	**3420 L200B G4 DIMD 850**	•		•	850						
34202 0008	**3420 L200TB G4 DIMD 850**		•	•	850						

3430... G4



34302 0001	**3430 L300B G4**	•			840	50	4,0	168	30.000	179	HIE400 (HS-EVG), HIT400
34302 0002	**3430 L300TB G4**		•		840						
34302 0003	**3430 L300B G4 DIMD**	•		•	840						
34302 0004	**3430 L300TB G4 DIMD**		•	•	840						
34302 0005	**3430 L300B G4 850**	•			850						
34302 0006	**3430 L300TB G4 850**		•		850						
34302 0007	**3430 L300B G4 DIMD 850**	•		•	850						
34302 0008	**3430 L300TB G4 DIMD 850**		•	•	850						

BestSelect – a selection of tried-and-tested SCHUCH luminaires for your everyday needs. More at: www.schuch.de/BestSelect

3410/3420/3430... G4 VARIO SET

IP65

Design:

Same as the standard version, but with the VARIO SET function: The luminous flux of VARIO luminaires is variably adjustable. This makes them universally usable, depending on requirements.
The VARIO SET function allows the luminous flux to be adjusted directly via the existing light switch or contactor. The connected load will change depending on the setting of the luminous flux.

Product highlights of the VARIO version:

- no need to open the luminaire
- **synchronised luminous flux adjustment** for all luminaires in a switched lighting group
- **can be changed at any time** (e.g. if the use of the premises changes, resulting in different lighting level requirements)
- **five predefined luminous flux levels available**
- **no additional app or accessories required**

34103 0001	**3410 L100B G4 VARST**	•			840	60	2,1	11 - 56	2.000 - 10.000	179 - 181	HME250
34103 0002	**3410 L100B G4 VARST 850**	•			850						
34203 0001	**3420 L200B G4 VARST**	•			840	50	2,8	20 - 112	4.000 - 20.000	179 - 200	HIT250, HME400, HIE400 (HI-EVG)
34203 0002	**3420 L200TB G4 VARST**		•		840						
34203 0003	**3420 L200B G4 VARST 850**	•			850						
34203 0004	**3420 L200TB G4 VARST 850**		•		850						
34303 0001	**3430 L300B G4 VARST**	•			840	50	4,0	30 - 168	6.000 - 30.000	179 - 200	HIE400 (HS-EVG), HIT400
34303 0002	**3430 L300TB G4 VARST**		•		840						
34303 0003	**3430 L300B G4 VARST 850**	•			850						
34303 0004	**3430 L300TB G4 VARST 850**		•		850						

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

Article no.	Type	Wide beam	Narrow wide beam	DC-Level (%)	Light colour	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *

3410/3420/3430... G4 ZB

IP65

for central power supply systems

For connection to central power supply systems for illuminating and 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, overload and short circuit protection
Ambient temperature: -25 °C to ... °C (see article table)

Other versions with a percentage reduction in luminous flux in DC mode (ZB15, ZB30, etc.) are also available.

Article no.	Type	Wide beam	Narrow wide beam	DC-Level (%)	Light colour	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
34104 0001	**3410 L100B G4 ZB**	•		100	840	60	2,1	56	10.000	179	HME250
34104 0002	**3410 L100B G4 ZB50**	•		50	840						
34104 0003	**3410 L100B G4 ZB20**	•		20	840						
34204 0001	**3420 L200B G4 ZB**	•		100	840	50	2,8	112	20.000	179	HIT250, HME400, HIE400 (HI-EVG)
34204 0002	**3420 L200TB G4 ZB**		•	100	840						
34204 0003	**3420 L200B G4 ZB50**	•		50	840						
34204 0004	**3420 L200TB G4 ZB50**		•	50	840						
34204 0005	**3420 L200B G4 ZB20**	•		20	840						
34204 0006	**3420 L200TB G4 ZB20**		•	20	840						
34304 0001	**3430 L300B G4 ZB**	•		100	840	50	4,0	168	30.000	179	HIE400 (HS-EVG), HIT400
34304 0002	**3430 L300TB G4 ZB**		•	100	840						
34304 0003	**3430 L300B G4 ZB50**	•		50	840						
34304 0004	**3430 L300TB G4 ZB50**		•	50	840						
34304 0005	**3430 L300B G4 ZB20**	•		20	840						
34304 0006	**3430 L300TB G4 ZB20**		•	20	840						

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

Accessories / Spare Parts

Article no.	Type	
34011 9004	**ABD TRIANO B PC**	cover, clear PC disc , wide beam (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9005	**ABD TRIANO TB PC**	cover, clear PC disc, narrow-beam wide distribution (for 1 LED module), with optics, for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...



NEW

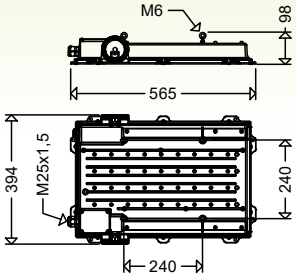
AREALO 2

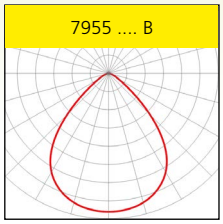
LED High Bay Fitting
Series 7955...

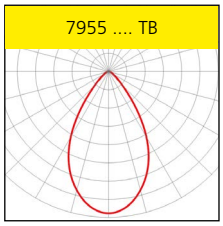
Applications:
Production and storage halls in commerce and industry, cold rooms, cold stores, DIY stores, aisles in warehouses, covered areas such as driveways, petrol stations, etc.

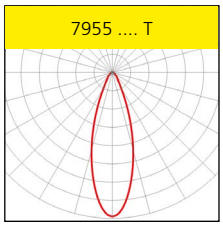
Design:
Housing: Die-cast aluminum, powder-coated to DB 702, with LED modules and flat safety glass (impact resist IK09), pressure compensation system, silicone seal.

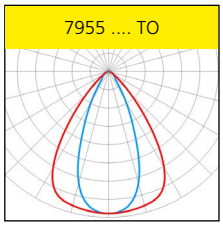
Light distribution: With optics wide beam (**B**), narrow wide beam (**TB**) or narrow beam (**T**), narrow oval beaam (**TO**) for illumination of aisles in rack areas respectively asymmetrical beam (**A**).
Entries: 1 gland M25 x 1.5.
Connection: 3-pole (**DIMD** 5-pole) plug-in terminal in the connection chamber.
Mounting: 4 eyelets included in delivery.

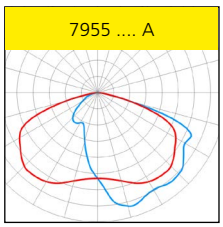












Technical Data:
LED module: 4,000 K, CRI > 80, service life L_{95} > 100,000 h at max. ambient temperature, Zhaga compliant
ECG: 220-240 V, 50/60 Hz, overload and short circuit protection.
Ambient temperature: -25°C up to .. °C (see article tables)

Options:
- 5,000 K; light colour (**850**)
- green LEDs, for lighting potato stores
- cable looping at 1 small side
- for lower ambient temperatures (**T40**), down to -40 °C



- increased resistance (**ER**), against corrosive atmospheres
- for connection to a central power supply system (**ZB**)
- additional overvoltage protection

Options Luminous flux adjustment / Lighting control / Lighting management:
- variably adjustable luminous flux via the external VARIO SET switch (**VARST**)
- power reduction with control phase (**LR**)
- constant luminous flux function (**CL**)
- radio-controlled Light Management System for industrial indoor areas (**LIMAS Air**)
- dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)

Product highlights:
- **highly corrosion-resistant, durable,** powder-coated die-cast aluminium housing
- **weight-optimised, flat, compact design**
- **integrated pressure equalisation system**
- **excellent thermal management** guarantees reliable operation even in low and high temperature ranges
- **very long service life L95 > 100,000 h** at the maximum permissible ambient temperature
- **high luminous efficacy,** offering significant potential for savings on energy and running costs
- **quick to install** thanks to a connection compartment that is easily accessible from the outside
- **Luminaires are repairable, components are replaceable**
- **future proof** due to the use of Zhaga-standardised LED modules
- **long-term availability of spare parts** for maximum investment security
- **5-year guarantee**
- **Made in Germany**



High Bay Fittings

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

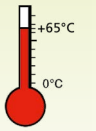
All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

Dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (DIMD).

7955...

IP66

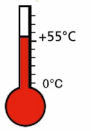
... for ambient temperatures up to +65 °C



Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
79550 0002	**7955 L190B**		•				65	8,2	102	19.900	195	HIE 400
79550 0003	**7955 L190TB**			•								
79550 0004	**7955 L190T**				•							
79550 0005	**7955 L190TO**				•							
79550 0007	**7955 L190B DIMD**	•	•									
79550 0008	**7955 L190TB DIMD**	•		•								
79550 0009	**7955 L190T DIMD**	•			•							
79550 0010	**7955 L190TO DIMD**	•			•							

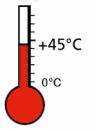
... for ambient temperatures up to +55 °C

A price-optimised version.



Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
NEW 79550 0051	**7955 L210B**		•				55	7,9	130	23.000	177	HIE 400
79550 0052	**7955 L210TB**			•								
79550 0053	**7955 L210T**				•							
79550 0054	**7955 L210TO**				•							
79550 0057	**7955 L210B DIMD**	•	•									
79550 0058	**7955 L210TB DIMD**	•		•								
79550 0059	**7955 L210T DIMD**	•			•							
79550 0060	**7955 L210TO DIMD**	•			•							
79550 0012	**7955 L250B**		•				55	8,2	144	27.500	191	HIE 400 (HS-VG), HIT 400
79550 0013	**7955 L250TB**			•								
79550 0014	**7955 L250T**				•							
79550 0015	**7955 L250TO**				•							
79550 0017	**7955 L250B DIMD**	•	•									
79550 0018	**7955 L250TB DIMD**	•		•								
79550 0019	**7955 L250T DIMD**	•			•							
79550 0020	**7955 L250TO DIMD**	•			•							

... for ambient temperatures up to +45 °C

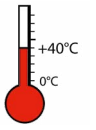


Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
79550 0022	**7955 L360B**		•				45	8,2	205	38.300	187	HIT 400
79550 0023	**7955 L360TB**			•								
79550 0024	**7955 L360T**				•							
79550 0025	**7955 L360TO**				•							
79550 0027	**7955 L360B DIMD**	•	•									
79550 0028	**7955 L360TB DIMD**	•		•								
79550 0029	**7955 L360T DIMD**	•			•							
79550 0030	**7955 L360TO DIMD**	•			•							

A price-optimised version.

Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
NEW 79550 0063	**7955 L420B**		•				45	8,4	260	46.000	177	2 x HIT 250, HME 400
79550 0064	**7955 L420TB**			•								
79550 0065	**7955 L420T**				•							
79550 0066	**7955 L420TO**				•							
79550 0069	**7955 L420B DIMD**	•	•									
79550 0070	**7955 L420TB DIMD**	•		•								
79550 0071	**7955 L420T DIMD**	•			•							
79550 0072	**7955 L420TO DIMD**	•			•							

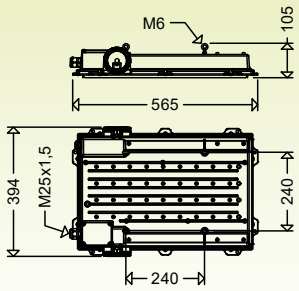
... for ambient temperatures up to +40 °C

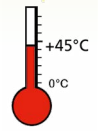


Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
79550 0032	**7955 L470B**		•				40	8,5	289	52.000	180	2 x HIT 250, HME 400
79550 0033	**7955 L470TB**			•								
79550 0034	**7955 L470T**				•							
79550 0035	**7955 L470TO**				•							
79550 0037	**7955 L470B DIMD**	•	•									
79550 0038	**7955 L470TB DIMD**	•		•								
79550 0039	**7955 L470T DIMD**	•			•							
79550 0040	**7955 L470TO DIMD**	•			•							

* This date is a rough guideline. In individual cases a lighting calculation is required.

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





7955... IFS

IP66

for application in food industry areas

Applications:
Production halls in the food industry, locations which come under the requirements of the IFS Food (International Featured Standard, Food), BRC or HACCP, e.g. manufacture of food packaging.

Design:
With clear PC cover instead of the flat safety glass. Other versions 7955... are also available as IFS luminaires (on request).

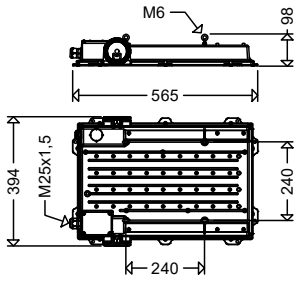
Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
79550 0101	**7955 L360B IFS**		•				45	8,2	205	38.300	187	HIT 400
79550 0102	**7955 L360TB IFS**			•								
79550 0103	**7955 L360T IFS**				•							
79550 0104	**7955 L360TO IFS**				•							
79550 0106	**7955 L360B DIMD IFS**	•	•									
79550 0107	**7955 L360TB DIMD IFS**	•		•								
79550 0108	**7955 L360T DIMD IFS**	•			•							
79550 0109	**7955 L360TO DIMD IFS**	•			•							

* This date is a rough guideline. In individual cases a lighting calculation is required.

RFL - Ready for Light Management Systems

Design:
Same as standard version, but prepared for the subsequent use of a Light Management System. Integrated sockets allows retrofitting of Light Management components without tools.

Product highlights:
- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System accessories



7955... RFL...

IP66

with a socket on the top side of the luminaire

Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
79551 0002	**7955 L360B RFLSO**		•				45	8,2	205	38.300	187	HIT 400
79551 0003	**7955 L360TB RFLSO**			•								
79551 0004	**7955 L360T RFLSO**				•							
79551 0005	**7955 L360TO RFLSO**				•							

System accessories

Article No.	Type	
90547 9011	**LACA TAST4 AP**	Battery-free, 4-button CASAMBI® radio switch. Actuating the switch generates the energy required to power the switch electronics
90547 9009	**LACA TASTIF4 UP**	CASAMBI® push-button interface for connecting up to 4 volt-free push-button inputs. Designed for installation in a flush-mounted wall box
90546 9013	**RFL LACA FM DS**	CASAMBI® radio module with light sensor for RFL sockets

Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *

7955... SBL

IP66

for use in Swimming pools

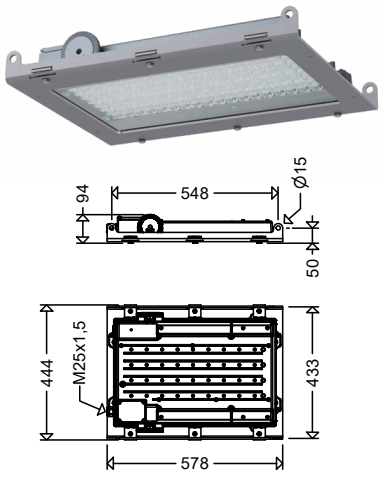


Applications:
Swimming pools, indoor pools and chlorinated environments

Design:
Modified for high protection against chlorinated atmospheres.

Attention:
Fastening cables, ceiling and wall mountings must be specially designed. Other versions 7955... are also available as SBL luminaires (on request).

79554 0002	**7955 L360B SBL**		•				45	8,2	205	38.300	187	HIT 400
79554 0003	**7955 L360TB SBL**			•								
79554 0004	**7955 L360A SBL**					•						
79554 0006	**7955 L360B DIMD SBL**	•	•									
79554 0007	**7955 L360TB DIMD SBL**	•		•								
79554 0008	**7955 L360A DIMD SBL**	•				•						



7955... V

IP66

for use in galvanising plants

Applications:
A specially developed version designed for use in galvanising plants and electroplating facilities.

Design:
As standard version 7955..., but: Stable support frame made of galvanised and powder-coated steel.

Attention:
Fastening cables must be specially designed.
Other versions 7955... are also available as V luminaires (on request).

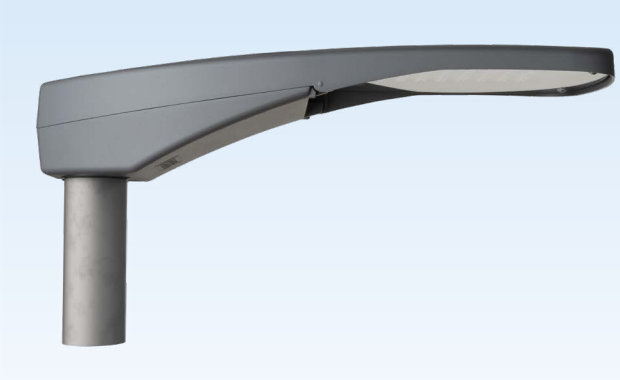
79553 0002	**7955 L360B V**		•				45	8,2	205	38.300	187	HIT 400
79553 0003	**7955 L360TB V**			•								
79553 0004	**7955 L360T V**				•							
79553 0007	**7955 L360B DIMD V**	•	•									
79553 0008	**7955 L360TB DIMD V**	•		•								
79553 0009	**7955 L360T DIMD V**	•			•							

* This date is a rough guideline. In individual cases a lighting calculation is required.



Accessories / Spare Parts

Article no.	Type	
79558 0001	**ABD 7955 ESGW**	cover, safety glass pane clear
79559 0001	**WDBF 7955 ST**	Wall and ceiling mounting, galvanised steel, painted in DB 702
79559 0003	**WDBF 7955 E4**	Wall and ceiling mounting, stainless steel V4A, for SBL version, painted in DB 702
90022 0006	**BF SAH Y 420/45 ST P**	1 pair of Y-ropes

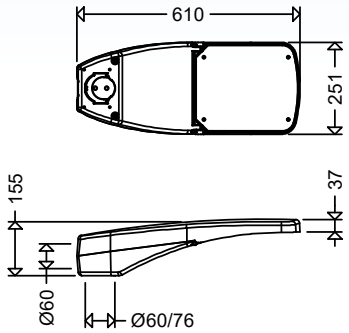


CAMINO
LED Outdoor Light Fitting
Series 48... / 47...

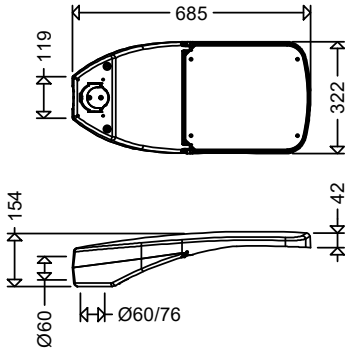
Applications:
Residential streets, by-roads, traffic-calmed zones, parks, walkways and cycle tracks, pedestrian zones, parks, green spaces, gateways, main streets, roundabouts, factory streets in industrial plants, car parks etc.

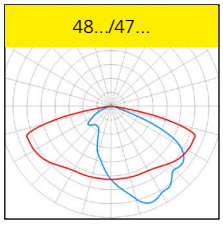
Design:
Housing: Die-cast aluminium, 2-parts, powder coated in DB 702.
Upper section with LED-Module, optics, glass cover and ECG, hinged and detachable. Lower section with pole mounting system, adjustment of inclination, cable retainer, cable entry with pressure compensation system.
Glass cover: Flat safety glass, impact resistance IK09.
Light distribution: Asymmetrical wide beam
Connection: With isolating plug connection with cable relief.
Universal pole mounting device: Die-cast aluminium, for post top mounting Ø 60/76 mm and side entry mounting Ø 60 mm. For side entry mounting Ø 42 mm, separate reducing accessories are required (see accessories / spare parts).
Inclination: Post top mounting 0°, 5° and 10° (factory setting 0°). Side entry mounting 0°, -5°, -10° and -15° depending on inclination of the cantilever.

48...



47...





Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

Options:
- 2,200 K; light colour (**722**)
- 1,800 K; light colour (**518**)
- asymmetrical beam (**A**)
- asymmetrical extremely wide beam (**RWX**), for illuminating cycle paths
- asymmetrical wide beam, low glare (**ABL**)
- special painting in RAL colours
- protection class I (**SKI**)
- seawater-resistant version
- bird deterrence
- for connection to a central power supply system (**ZB**)
- variable adjustable luminous flux via app (**NFC**)
- dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
- power reduction with control phase (**LR**)
- power reduction without control phase (**LA**)
- constant luminous flux function (**CL**)
- EcoTune
- additional overvoltage protection
- with backside light shielding (**HA**)
- inrush current limiter

Product highlights:

- **durable, corrosion-resistant die-cast aluminium housing** with flat surface without cooling fins
- **excellent thermal management,** long service life
- **integrated pressure compensation system** prevents condensation in the interior
- **universal pole mounting system, foldabel without tools, for post top or side entry mounting**
- **removable upper part of the housing allows a comfortable, time- and cost-saving mounting in 2 steps:**
  1st step: Mount bottom part on the pole and connect the mains
  2nd step: Hinge upper part, connect isolating plug and shut the housing. **READY**
- **adjustable inclination of the light fitting,** no tools required
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- no light emission into the upper half-space, **ULOR=0**
- versions dimmable to 10% and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- 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

SCHUCH outdoor luminaires in ZB design meet all relevant requirements for emergency luminaires for illuminating escape routes and assembly points **(DIN EN 1838 / DIN EN 50172 VDE 0108-100:2024-10 / EN 60598 Part 2-22)**. The luminous flux in emergency mode can be selected between 10-100 %. Programming is carried out at the factory.

EcoTune luminaires from SCHUCH adapt flexibly to changing situations, taking into account safety, residents' interests and ecological aspects of night-time lighting. The luminaires combine either two light colours or optics: With light colours (e.g. 4,000 K and 2,200 K), the light can be changed from neutral white in the morning to warm white in the evening and optionally controlled via motion sensors, while the combination of two optics with different light distributions reduces glare on wet roads.
Further information on EcoTune can be found in our outdoor luminaires catalogue.

! 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.

All light fittings also available with connected cable (see accessories in the data sheet).

Outstanding mounting advantage

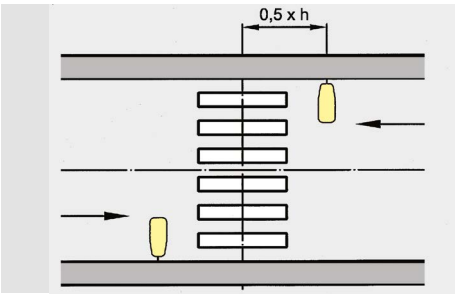




48... / 47...

IP66 · Wind load area A = 0,05m²

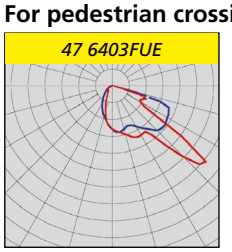
Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
colour temperature 4.000K (light colour 740)					
48001 0030	**48 0801**	9	1.510	168	7,0
48001 0045	**48 0802**	13	2.100	162	7,0
48001 0046	**48 0803**	18	2.840	158	7,0
48001 0005	**48 1601**	17	2.900	171	7,0
48001 0006	**48 1602**	25	4.050	162	7,0
48001 0007	**48 1603**	35	5.480	157	7,0
48001 0047	**48 2401**	26	4.470	172	7,1
48001 0048	**48 2402**	37	6.210	168	7,1
48001 0049	**48 2403**	53	8.340	157	7,4
48001 0015	**48 3201**	34	5.940	175	7,5
48001 0016	**48 3202**	50	8.280	166	7,5
48001 0017	**48 3203**	70	11.140	159	7,5
47000 0003	**47 3201**	34	6.020	177	10,2
47000 0009	**47 3202**	50	8.400	168	10,2
47000 0004	**47 3203**	70	11.360	162	10,2
47000 0005	**47 4801**	52	8.980	173	10,2
47000 0010	**47 4802**	75	12.500	167	10,2
47000 0047	**47 4803**	106	16.850	159	10,2
47000 0007	**47 6401**	69	11.850	172	10,3
47000 0011	**47 6402**	99	16.440	166	10,3
47000 0048	**47 6403**	140	22.030	157	10,3
colour temperature 3.000K (light colour 730)					
48001 0936	**48 0801 730**	9	1.430	159	7,0
48001 0391	**48 0802 730**	13	2.000	154	7,0
48001 0322	**48 0803 730**	18	2.700	150	7,0
48001 0099	**48 1601 730**	17	2.760	162	7,0
48001 0096	**48 1602 730**	25	3.850	154	7,0
48001 0097	**48 1603 730**	35	5.210	149	7,0
48001 0937	**48 2401 730**	26	4.250	163	7,1
48001 0143	**48 2402 730**	37	5.900	159	7,1
48001 0939	**48 2403 730**	53	7.920	149	7,4
48001 0120	**48 3201 730**	34	5.640	166	7,5
48001 0028	**48 3202 730**	50	7.870	157	7,5
48001 0018	**48 3203 730**	70	10.580	151	7,5
47000 0905	**47 3201 730**	34	5.720	168	10,2
47000 0100	**47 3202 730**	50	7.980	160	10,2
47000 0090	**47 3203 730**	70	10.790	154	10,2
47000 0383	**47 4801 730**	52	8.530	164	10,2
47000 0075	**47 4802 730**	75	11.880	158	10,2
47000 0076	**47 4803 730**	106	16.010	151	10,2
47000 0362	**47 6401 730**	69	11.260	163	10,3
47000 0270	**47 6402 730**	99	15.620	158	10,3
47000 0088	**47 6403 730**	140	20.930	150	10,3



47... FUE

IP66 · Wind load area A = 0,05m²

For pedestrian crossings or for object protection



Applications:
Pedestrian crossings, object protection, fence, apron, area illumination ...

Design:
Asymmetrical light distribution. Major light beam crosswise to longitudinal axis of the luminaire with limited backward light beam.

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
colour temperature 4.000K (light colour 740)					
47000 0448	**47 6403FUE**	140	22.030	157	10,3
colour temperature 3.000K (light colour 730)					
47000 0467	**47 6403FUE 730**	140	20.930	150	10,3

All light fittings also available with connected cable (see accessories in the data sheet).

48... / 47... VARIO

IP66 | Wind load area A = 0,05m²

Design:
Same as type 48... / 47... but: With an integrated DIP switch for for variable adjustment of the luminous flux in the luminaire.

Product highlights of the VARIO version:

- **simple, fast, tool-free setting of the luminous flux** on site, by means of integrated switch, can be changed at any time
- **reduction in the variety of types**

colour temperature 4.000K (light colour 740)

Article No.	Type	Connected load [W]	Luminous flux [lm] 1)	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
48001 0703	**48 L50 VARIO**	9 - 35	1.330 -5.480	172	HST 35 - 2 x HST 70	7,5
48001 0750	**48 L100 VARIO**	16 - 70	2.730 - 11.140	177	HST 50 - HSE 150	7,6
47000 0366	**47 L100 VARIO**	16 - 70	2.760 - 11.360	180	HST 50 - HSE 150	10,2
47000 0364	**47 L150 VARIO**	24 - 106	4.130 - 16.850	173	2 x HME 80 - 2 x HME 250	10,2
47000 0365	**47 L210 VARIO**	32 - 140	5.460 - 22.030	171	2 x HST 70 - HME 400	10,3

colour temperature 3.000K (light colour 730)

48001 0701	**48 L50 VARIO 730**	9 - 35	1.260 - 5.210	163	HST 35 - 2 x HST 70	7,5
48001 0761	**48 L100 VARIO 730**	16 - 70	2.590 - 10.580	168	HST 50 - HSE 150	7,6
47000 0468	**47 L100 VARIO 730**	16 - 70	2.620 - 10.790	171	HST 50 - HSE 150	10,2
47000 0469	**47 L150 VARIO 730**	24 - 106	3.920 - 16.010	164	2 x HME 80 - 2 x HME 250	10,2
47000 0470	**47 L210 VARIO 730**	32 - 140	5.190 - 20.930	162	2 x HST 70 - HME 400	10,3

Factory setting L50: 18 W; replaces approx. HME 125, HST 70
Factory setting L100: 54 W; replaces approx. HME 250
1) possible setting range
Factory setting L150: 106 W; replaces approx. 2 x HME 250
Factory setting L210: 140 W; replaces approx. HME 400
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

BestSelect – a selection of tried-and-tested SCHUCH luminaires for your everyday needs. More at: www.schuch.de/BestSelect





All light fittings also available with connected cable (see accessories in the data sheet).





RFL - Ready for Light Management Systems

Design:

Same as standard version **48... / 47...**, but prepared for the subsequent use of a Light Management System. Integrated sockets allows retrofitting of Light Management components without tools.

Product highlights:

- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System components

48... / 47... RFL

IP66 · Wind load area A = 0,05m²

with a socket on the top and bottom side of the luminaire

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
colour temperature 4.000K (light colour 740)					
48004 0009	**48 0803 RFLOU**	18	2.840	158	7,0
48004 0010	**48 1603 RFLOU**	35	5.480	157	7,0
48004 0011	**48 2403 RFLOU**	53	8.340	157	7,4
48004 0012	**48 3203 RFLOU**	70	11.140	159	7,2
47002 0007	**47 3203 RFLOU**	70	11.360	162	10,2
47002 0008	**47 4803 RFLOU**	106	16.850	159	10,2
47002 0009	**47 6403 RFLOU**	140	22.030	157	10,3
colour temperature 3.000K (light colour 730)					
48004 0066	**48 0803 730 RFLOU**	18	2.700	150	7,0
48004 0047	**48 1603 730 RFLOU**	35	5.210	149	7,0
48004 0067	**48 2403 730 RFLOU**	53	7.920	149	7,4
48004 0068	**48 3203 730 RFLOU**	70	10.580	151	7,2
47002 0042	**47 3203 730 RFLOU**	70	10.790	154	10,2
47002 0043	**47 4803 730 RFLOU**	106	16.010	151	10,2
47002 0044	**47 6403 730 RFLOU**	140	20.930	150	10,3

System accessories

Article No.	Type	
90546 9018	**RFL BM/DS IR12**	RFL motion sensor with light sensor, infrared (maximum light point height 12.0 m)
90546 9004	**RFL BM/DS IR8**	RFL motion sensor with light sensor, infrared (light point height max. 8.0 m)
90546 9000	**RFL DS20**	RFL control element with light sensor, standalone, 20 lx
90543 0001	**LASC DONGLE USB + SOFT + LIZ**	LIMAS Air SYNC USB dongle with software and licence
90546 9012	**RFL LASC BM RAD10 MA MK2**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with motion sensor, radar (mounting height max. 10.0 m) for mast mounting with 2.0 m cable
90546 9011	**RFL LASC BM RAD8**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with motion sensor, radar (max. light point height 8.0 m)
90546 9014	**RFL LASC DS**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor
90546 9010	**RFL LASC DS GPS SIM**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor, GPS antenna and eSIM

Other sensors, e.g. environmental sensors (fine dust, CO_2, weather station etc.) on request.

All light fittings also available with connected cable (see accessories in the data sheet).

Article no.	Type	Connected load W	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)

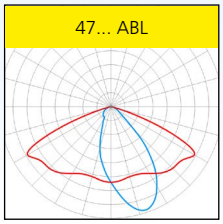
NEW

47... DB

IP66 · Wind load area A = 0,05m²

Applications:
Railway stations and platforms.

Deutsche Bahn listing:
DB Station & Service AG
List sheet number B 04.10.042



Product highlights:

- Deutsche Bahn listing
- **easy installation,** quick and convenient thanks to removable upper housing section
- **economical operation,** high light output
- **future-proof** by using standardised LED-modules (Zhaga)

colour temperature 4.000 K (light colour 740)

47000 3000	**47 L29ABL CL DB**	14	2.300	164	10,1
47000 3002	**47 L34ABL CL DB**	15	2.700	180	10,1

colour temperature 1.800 K (light colour 518)

47000 3012	**47 L29ABL CL 518 DB**	25	2.300	92	10,1
47000 3014	**47 L34ABL CL 518 DB**	30	2.700	90	10,1





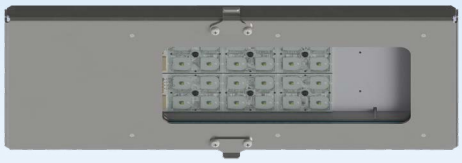
RZ 60/42 CAMINO



Pipe brackets for wall, pole and corner mounting, and post top brackets please see accessories in the data sheet.

Accessories / Spare Parts

Article No.	Type	
48002 9000	**ABD 48 ESGW**	cover, pane safety glass clear, for 48...
47001 9002	**ABD 47 ESGW**	cover, pane safety glass clear, for 47...
90306 0004	**RZ 60/42 CAMINO**	adapter for mast top Ø 42 mm, black



NEW

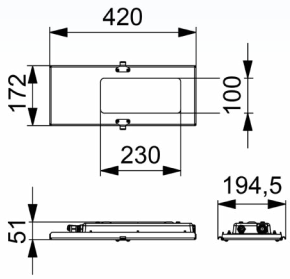
LED Outdoor Light Fitting for low track gauges Series 131... nGgB

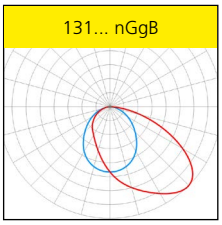
Applications:
Deutsche Bahn railway tracks and industrial railway tracks with DB requirements.

Deutsche Bahn listing:
DB Station & Service AG
List sheet number B 04.10.042

Design:
Housing: Stainless steel, powder-coated in DB 702
Diffuser:Frosted single-pane safety glass
Light distribution: Asymmetrical beam
Connection: FastConnect quick connection plug

Electrical design:
LED module: 4,000 K, R_a > 80, service life L_{95} > 100,000 h
ECG: 24V DC constant voltage





Article no.	Type	Connected load W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
131 L09 nGgB DB					
colour temperature 4.000 K (light colour 840)					
13102 0001	**131 L09 nGgB DB**	7,8	877	112	2,4
ECG unit					
90283 0020	**EVG 2 131 L09 nGgB DB**	EVG unit for connecting 2 luminairs 131 L09 nGgB DB			

IP65

Product highlights:

- Deutsche Bahn listing
- FastConnect quick connection plug
- prepared for mounting with clamp fasteners
- ECG accessible at ground level in the pole
- no light emission into the upper half-space **(Dark Sky)**
- components replaceable
- **future proof** by using Zhaga-compliant LED-modules



Outdoor Light Fittings

! 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.



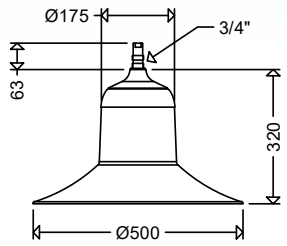
BELLA
Pendant LED Light Fittings
Series 564/565... G2

Applications:
Renewal of villages and historic city centres, low traffic areas, pedestrian areas, promenades, public parks.

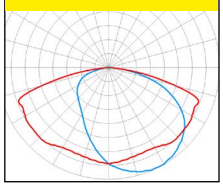
Design:
Housing: Aluminium sheet, powder coated in DB 702.
Cover: Diffuser PMMA pearled
Electro kit: ECG and LED wired ready for connection, cable retainer for connection cable in housing.
Light distribution: Asymmetrical wide beam or symmetrical circular beam (**R**).
Mounting: To pole top sections with internal thread 3/4" (see accessories / spare parts).

Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

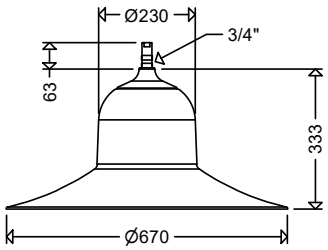
Series 564... G2



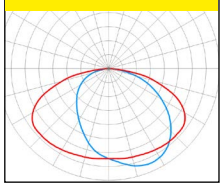
564... G2



Series 565... G2



565... G2



Options:
– 2,200 K; light colour (**722**)
– 1,800 K; light colour (**518**)
– asymmetrical extremely wide beam (**RWX**), for illuminating cycle paths
– special painting in RAL colours
– protection class I (**SKI**)
– seawater-resistant version
– for connection to a central power supply system (**ZB**)
– variable adjustable luminous flux via APP (**NFC**)
– dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)
– power reduction with control phase (**LR**)
– power reduction without control phase (**LA**)
– constant luminous flux function (**CL**)
– inrush current limiter
– with backside light shielding (**HA**)
– for pole tops with a different internal thread, e.g. 1/2"

Product highlights:

- **durable, corrosion-resistant aluminium housing** with flat surface without cooling fins
- **homogeneous illumination** due to the **Multi-Layer-Technology**
- **good glare limitation** due to low-lying pearled cover
- **tool-free replacement of** ECG and LED module
- no light emission into the upper half space, **ULOR=0**
- versions dimmable to 10% and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- 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.

All light fittings also available with connected cable (H07RN-F or NYM) in the required length.

564... G2 / 565... G2

IP54 | Wind load area A = 0,09m²

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)
colour temperature 4.000K (light colour 740)					
56400 0001	**564 0801 G2**	9	1.510	168	2,8
56400 0002	**564 0802 G2**	13	2.100	162	2,8
56400 0003	**564 0803 G2**	18	2.840	158	2,8
56400 0007	**564 0801R G2**	9	1.510	168	2,8
56400 0008	**564 0802R G2**	13	2.100	162	2,8
56400 0009	**564 0803R G2**	18	2.840	158	2,8
56400 0004	**564 1601 G2**	17	3.000	176	2,8
56400 0005	**564 1602 G2**	25	4.170	167	2,8
56400 0006	**564 1603 G2**	35	5.580	159	2,8
56400 0010	**564 1601R G2**	17	3.000	176	2,8
56400 0011	**564 1602R G2**	25	4.170	167	2,8
56400 0012	**564 1603R G2**	35	5.580	159	2,8
56500 0001	**565 1601 G2**	17	2.960	174	4,4
56500 0002	**565 1602 G2**	25	4.130	165	4,4
56500 0003	**565 1603 G2**	35	5.580	159	4,4
56500 0007	**565 1601R G2**	17	2.960	174	4,4
56500 0008	**565 1602R G2**	25	4.130	165	4,4
56500 0009	**565 1603R G2**	35	5.580	159	4,4
56500 0004	**565 3201 G2**	34	5.990	176	4,5
56500 0005	**565 3202 G2**	50	8.300	166	4,5
56500 0006	**565 3203 G2**	70	11.150	159	4,5
56500 0010	**565 3201R G2**	34	5.990	176	4,5
56500 0011	**565 3202R G2**	50	8.300	166	4,5
56500 0012	**565 3203R G2**	70	11.150	159	4,5
colour temperature 3.000K (light colour 730)					
56400 0013	**564 0801 G2 730**	9	1.430	159	2,8
56400 0014	**564 0802 G2 730**	13	2.000	154	2,8
56400 0015	**564 0803 G2 730**	18	2.700	150	2,8
56400 0019	**564 0801R G2 730**	9	1.430	159	2,8
56400 0020	**564 0802R G2 730**	13	2.000	154	2,8
56400 0021	**564 0803R G2 730**	18	2.700	150	2,8
56400 0016	**564 1601 G2 730**	17	2.850	168	2,8
56400 0017	**564 1602 G2 730**	25	3.960	158	2,8
56400 0018	**564 1603 G2 730**	35	5.300	151	2,8
56400 0022	**564 1601R G2 730**	17	2.850	168	2,8
56400 0023	**564 1602R G2 730**	25	3.960	158	2,8
56400 0024	**564 1603R G2 730**	35	5.300	151	2,8
56500 0013	**565 1601 G2 730**	17	2.810	165	4,4
56500 0014	**565 1602 G2 730**	25	3.920	157	4,4
56500 0015	**565 1603 G2 730**	35	5.300	151	4,4
56500 0019	**565 1601R G2 730**	17	2.810	165	4,4
56500 0020	**565 1602R G2 730**	25	3.920	157	4,4
56500 0021	**565 1603R G2 730**	35	5.300	151	4,4
56500 0016	**565 3201 G2 730**	34	5.690	167	4,5
56500 0017	**565 3202 G2 730**	50	7.890	158	4,5
56500 0018	**565 3203 G2 730**	70	10.590	151	4,5
56500 0022	**565 3201R G2 730**	34	5.690	167	4,5
56500 0023	**565 3202R G2 730**	50	7.890	158	4,5
56500 0024	**565 3203R G2 730**	70	10.590	151	4,5

All light fittings also available with connected cable (see accessories in the data sheet).

564... G2 VARIO / 565... G2 VARIO

IP65 | Wind load area A = 0,09m²

Design:
Same as type 564... G2 / 565... G2 but: With an integrated DIP switch for for variable adjustment of the luminous flux in the luminaire.

Product highlights of the VARIO version:

- simple, fast, tool-free setting of the luminous flux on site, by means of integrated switch, can be changed at any time
- reduction in the variety of types

colour temperature 4.000K (light colour 740)

Article No.	Type	Connected load [W]	Luminous flux [lm] 1)	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
56401 0001	**564 L25 G2 VARIO**	5 - 18	690 - 2.840	168	HST 35 - HST 50	2,8
56401 0003	**564 L25R G2 VARIO**	5 - 18	690 - 2.840	168	HST 35 - HST 50	2,8
56401 0002	**564 L50 G2 VARIO**	9 - 35	1.390 - 5.580	178	HST 35 - 2 x HST 70	2,8
56401 0004	**564 L50R G2 VARIO**	9 - 35	1.390 - 5.580	178	HST 35 - 2 x HST 70	2,8
56501 0001	**565 L50 G2 VARIO**	9 - 35	1.360 - 5.580	176	HST 35 - 2 x HST 70	4,4
56501 0003	**565 L50R G2 VARIO**	9 - 35	1.360 - 5.580	176	HST 35 - 2 x HST 70	4,4
56501 0002	**565 L100 G2 VARIO**	16 - 70	2.760 - 11.150	178	HST 50 - HSE 150	4,5
56501 0004	**565 L100R G2 VARIO**	16 - 70	2.760 - 11.150	178	HST 50 - HSE 150	4,5

colour temperature 3.000K (light colour 730)

56401 0005	**564 L25 G2 VARIO 730**	5 - 18	660 - 2.700	159	HST 35 - HST 50	2,8
56401 0007	**564 L25R G2 VARIO 730**	5 - 18	660 - 2.700	159	HST 35 - HST 50	2,8
56401 0006	**564 L50 G2 VARIO 730**	9 - 35	1.320 - 5.300	169	HST 35 - 2 x HST 70	2,8
56401 0008	**564 L50R G2 VARIO 730**	9 - 35	1.320 - 5.300	169	HST 35 - 2 x HST 70	2,8
56501 0005	**565 L50 G2 VARIO 730**	9 - 35	1.290 - 5.300	167	HST 35 - 2 x HST 70	4,4
56501 0007	**565 L50R G2 VARIO 730**	9 - 35	1.290 - 5.300	167	HST 35 - 2 x HST 70	4,4
56501 0006	**565 L100 G2 VARIO 730**	16 - 70	2.620 - 10.590	169	HST 50 - HSE 150	4,5
56501 0008	**565 L100R G2 VARIO 730**	16 - 70	2.620 - 10.590	169	HST 50 - HSE 150	4,5

Factory setting L25: 18 W; replaces approx. HST 50
Factory setting L50: 18 W; replaces approx. HME 125, HST 70
Factory setting L100: 54 W; replaces approx. HME 250

1) possible setting range

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



All light fittings also available with connected cable (see accessories in the data sheet).



Article no.	Type	Connected load W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)

RFL - Ready for Light Management Systems

Design:

Same as standard version **564... G2 / 565... G2**, but prepared for the subsequent use of a Light Management System. Integrated sockets allows retrofitting of Light Management components without tools.

Product highlights:

- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System components

NEW

564... G2 / 565... G2 RFL

IP54 | Wind load area A = 0,09m²

with a socket on the top and bottom side of the luminaire

colour temperature 4.000K (light colour 740)

56403 0001	**564 0803 G2 RFLOU**	18	2.840	158	3,0
56403 0002	**564 1603 G2 RFLOU**	35	5.580	159	3,0
56503 0001	**565 1603 G2 RFLOU**	35	5.580	159	4,6
56503 0002	**565 3203 G2 RFLOU**	70	11.150	159	4,7

colour temperature 3.000K (light colour 730)

56403 0003	**564 0803 G2 730 RFLOU**	18	2.700	150	3,0
56403 0004	**564 1603 G2 730 RFLOU**	35	5.300	151	3,0
56503 0003	**565 1603 G2 730 RFLOU**	35	5.300	151	4,6
56503 0004	**565 3203 G2 730 RFLOU**	70	10.590	151	4,7

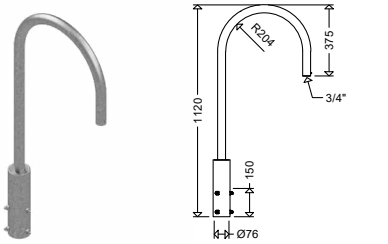
System accessories

Article No.	Type	
90546 9018	**RFL BM/DS IR12**	RFL motion sensor with light sensor, infrared (maximum light point height 12.0 m)
90546 9004	**RFL BM/DS IR8**	RFL motion sensor with light sensor, infrared (light point height max. 8.0 m)
90546 9000	**RFL DS20**	RFL control element with light sensor, standalone, 20 lx
90543 0001	**LASC DONGLE USB + SOFT + LIZ**	LIMAS Air SYNC USB dongle with software and licence
90546 9012	**RFL LASC BM RAD10 MA MK2**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with motion sensor, radar (mounting height max. 10.0 m) for mast mounting with 2.0 m cable
90546 9011	**RFL LASC BM RAD8**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with motion sensor, radar (max. light point height 8.0 m)
90546 9014	**RFL LASC DS**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor
90546 9010	**RFL LASC DS GPS SIM**	RFL LIMAS Air SYNC light management controller (2.4 GHz mesh network) with light sensor, GPS antenna and eSIM

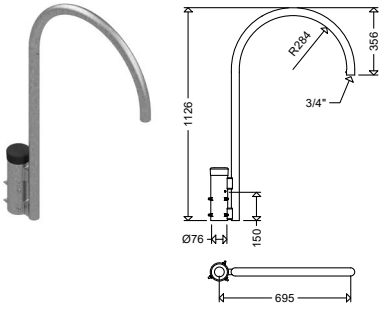
Other sensors, e.g. environmental sensors (fine dust, CO_2, weather station etc.) on request.

Round arch pole-top adapter

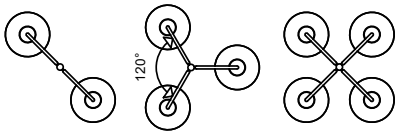
for pendant lights with upper thread 3/4"



Article no.	Type	Description	Weight
61999 0001	**MAU 619/1**	for 1 fitting	8,8 kg



72299 0001	**MAU 722/1**	for 1 fitting	8,2 kg
72299 0002	**MAU 722/2**	for 2 fitting	14,0 kg
72299 0003	**MAU 722/3**	for 3 fittings	19,9 kg
72299 0004	**MAU 722/4**	for 4 fittings	25,7 kg



Tops also available painted to match luminaire color (SL).

Accessories / Spare Parts

Article no.	Type	
56410 0001	**ABD 564 G2 P PMMA**	cover, diffuser PMMA pearled, for 564... G2
56510 0001	**ABD 565 G2 P PMMA**	cover, diffuser PMMA pearled, for 565... G2

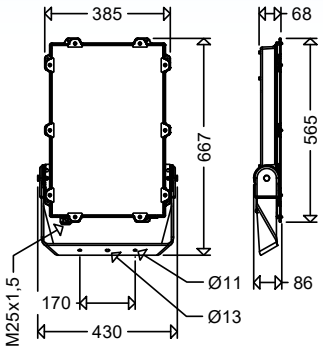


NEW

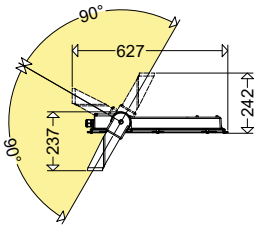
AREALO 2
LED Large-Area Spotlight
Series 7950...

Applications:
Large areas such as car parks, storage areas, loading areas, loading stations, container terminals, harbour facilities, apron lighting at airports, open-cast mines, sports facilities, etc.

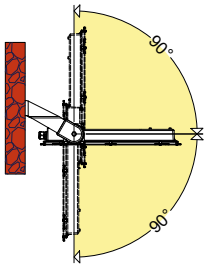
Design:
Housing: Die-cast aluminium, 1-part, powder-coated DB 702 with LED module, optics, ECG, cable entry and pressure compensation system.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.
Light distribution: Extremely asymmetrical beam.
Connection: Connection compartment accessible from outside, terminal up to max. 2.5 mm².
Cable entry: 1 x M25 cable gland.
Mounting: Mounting bracket can be swivelled through 180° in 5° steps, with 3 holes for wall or ceiling mounting. Separate accessories are required for pole mounting (see accessories/spare parts).



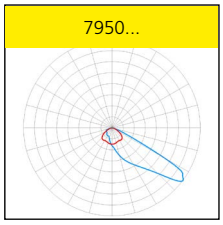
Swivel range



Standard Mounting



Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection, NFC-enabled
Lighting control: constant luminous flux function



Options:
– 2,200 K; light colour (**722**)
– 1,800 K; light colour (**518**)
– asymmetrical beam (**A**)
– special painting in RAL colours
– seawater-resistant version
– vibration-resistant design
– for connection to a central power supply system (**ZB**)

Options Luminous flux adjustment / Lighting control / Lighting management:
– dimming function via DALI-2 interface (**DIMD**)
– power reduction with control phase (**LR**)
– compatible with **LIMAS Line** and **LIMAS Air Light Management System**

Product highlights:

- **durable, corrosion-resistant die-cast aluminium housing**
- low total weight, low mast load
- **excellent thermal management,** long service life
- **quick electrical connection** due to outlaying electrical connection box
- no light emission into the upper half-space, **ULOR=0**
- versions dimmable to 10% and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- 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



Outdoor Light Fittings

! 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.

All light fittings also available with connected cable (see accessories in the data sheet).

7950... SP OP

IP66 | Wind load area A = 0,05m²

Version OP:
Additional overvoltage protection in the luminaire.

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)
colour temperature 4.000K (light colour 740)					
79500 0001	**7950 14401SP OP**	144	26.500	184	10,7
79500 0003	**7950 14402SP OP**	209	36.800	176	10,7
79500 0005	**7950 14403SP OP**	298	49.300	165	11,0
79500 0007	**7950 14404SP OP**	432	66.500	154	11,0
79500 0002	**7950 14401SP DIMD OP**	144	26.500	184	10,7
79500 0004	**7950 14402SP DIMD OP**	209	36.800	176	10,7
79500 0006	**7950 14403SP DIMD OP**	298	49.300	165	11,0
79500 0008	**7950 14404SP DIMD OP**	432	66.500	154	11,0
colour temperature 3.000K (light colour 730)					
79500 0009	**7950 14401SP 730 OP**	144	25.200	175	10,7
79500 0011	**7950 14402SP 730 OP**	209	35.000	167	10,7
79500 0013	**7950 14403SP 730 OP**	298	46.800	157	11,0
79500 0015	**7950 14404SP 730 OP**	432	63.200	146	11,0
79500 0010	**7950 14401SP DIMD 730 OP**	144	25.200	175	10,7
79500 0012	**7950 14402SP DIMD 730 OP**	209	35.000	167	10,7
79500 0014	**7950 14403SP DIMD 730 OP**	298	46.800	157	11,0
79500 0016	**7950 14404SP DIMD 730 OP**	432	63.200	146	11,0

RFL - Ready for Light Management Systems

Design:
Same as standard version **7950... SP OP** but prepared for the subsequent use of a Light Management System. Integrated sockets allows retrofitting of Light Management components without tools.

Product highlights:

- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System components

7950... SP OP RFL

IP66 | Wind load area A = 0,05m²

with a socket on the top side of the luminaire

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)
colour temperature 4.000K (light colour 740)					
79501 0001	**7950 14404SP OP RFLSO**	432	66.500	154	11,0
colour temperature 3.000K (light colour 730)					
79501 0002	**7950 14404SP 730 OP RFLSO**	432	63.200	146	11,0

System accessories

Article No.	Type	
79511 0009	**VBOX RFL TR**	Distribution box with RFL socket for crossbar mounting
90547 9011	**LACA TAST4 AP**	LIMAS Air CASA 4-gang push button
90547 9009	**LACA TASTIF4 UP**	LIMAS Air CASA push button interface 4-gang flush-mounted
90546 9013	**RFL LACA DS**	RFL LIMAS Air CASA wireless module with light sensor

All light fittings also available with connected cable (see accessories in the data sheet).

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)

7950... SP OV

IP66

Version:

Like 7950... SP OP but without ballasts (OV), separate ECG unit 7950 required.
Please order in combination.

colour temperature 4.000K (light colour 740)

79502 0200	**7950 14401SP OV**	144	26.500	184	10,3
79502 0201	**7950 14402SP OV**	209	36.800	176	10,3
79502 0202	**7950 14403SP OV**	298	49.300	165	10,3
79502 0203	**7950 14404SP OV**	432	66.500	154	10,3

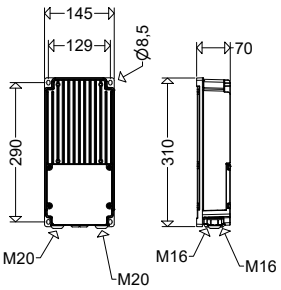
colour temperature 3.000K (light colour 730)

79502 0204	**7950 14401SP 730 OV**	144	25.200	175	10,3
79502 0205	**7950 14402SP 730 OV**	209	35.000	167	10,3
79502 0206	**7950 14403SP 730 OV**	298	46.800	157	10,3
79502 0207	**7950 14404SP 730 OV**	432	63.200	146	10,3



Typ 1 / Typ 2





Internal pole mounting unit 7850 ME 1000

IP65

Design:

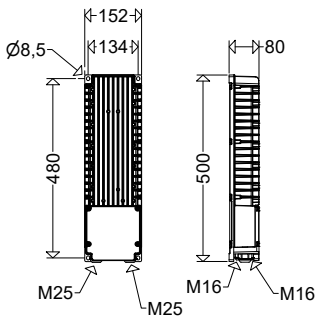
ECG for direct mounting with 4 screws

Connection: Direct connection of the cables in the connection compartment of the ECG; access to the connection compartment by loosening 4 screws.

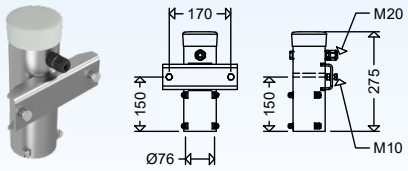
Article no.	Type		EVG	Weight [ca. kg] (without packaging)
79512 0001	**EVG 7950 1 14401 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0002	**EVG 7950 2 14401 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 1	3,1
79512 0003	**EVG 7950 3 14401 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 1	3,1
79512 0004	**EVG 7950 1 14402 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0005	**EVG 7950 2 14402 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 1	3,1
79512 0006	**EVG 7950 3 14402 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 2	3,4
79512 0007	**EVG 7950 1 14403 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0008	**EVG 7950 2 14403 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 1	3,1
79512 0009	**EVG 7950 3 14403 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 2	3,4
79512 0010	**EVG 7950 1 14404 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0011	**EVG 7950 2 14404 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 2	3,4
79512 0012	**EVG 7950 3 14404 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 4	6,4
79512 0013	**EVG 7950 4 14404 OV**	ECG unit for four luminaires 7950 14401 OV	2 x Typ 2	6,8

Typ 4

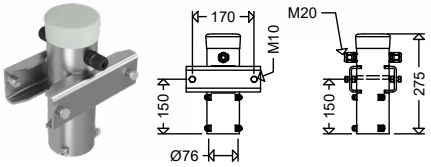




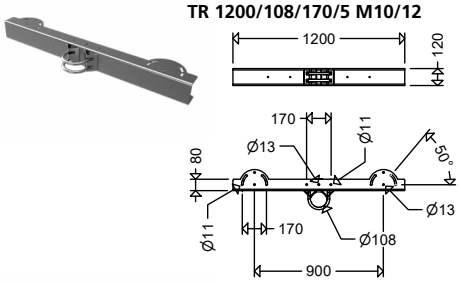
Single mounting: MAU 1 76/170 M10



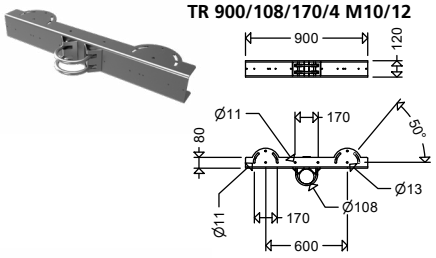
Double mounting: MAU 2 76/170 M10



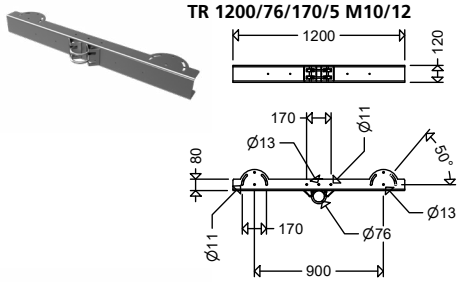
TR 1200/108/170/5 M10/12



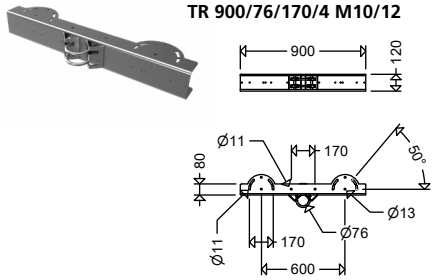
TR 900/108/170/4 M10/12



TR 1200/76/170/5 M10/12



TR 900/76/170/4 M10/12



All pole fastenings made of galvanised steel. Painting in any RAL colour for additional charge.

Accessories / Spare Parts

Article no.	Type	
79510 0001	**ABD 7950 ESGW**	cover, pane safety glas clear, for 7950...
75739 9001	**MAU 1 76/170 M10**	Pole top for single mounting, Ø 76 mm, galvanized steel
75739 9002	**MAU 2 76/170 M10**	Pole top for double mounting, Ø 76 mm, galvanized steel
90313 0003	**KV25 G BK**	plastic cable gland M25 x 1,5 black
79511 0003	**SD 7950 ST**	vibration absorbing suspension device for series 7950, galvanised steel
79511 0001	**TR 1200/108/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0004	**TR 900/108/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole
79511 0006	**TR 1200/76/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0007	**TR 900/76/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole
79511 0002	**VBOX 5 TR**	Distribution box for combining the connection cables of several AREALO 2 units. 6 loose cable glands, support plate and screws for direct attachment to the crossbar included in the scope of delivery.
79511 0005	**MABD 108**	Pole cover Ø 108 mm with strain relief and 4 cable entries
79511 0010	**BFSET M10/M12**	Fastening set for traverse mounting with 2 M10 screw connections 1 M12 screw connection
79511 0008	**BD 7950**	dird defence stainless steel for 7950

INTELLIGENT LIGHT CONTROL AT SPORTS FACILLITIES

Simply switching the floodlights of a sports facility on and off is neither efficient nor cost-saving and environmentally friendly. When converting to LED technology, the question of intelligent lighting control therefore arises. If one then takes into account the subsidies from the federal government within the framework of the municipal guidelines as well as the state sports associations and possibly the respective federal state, which can currently amount to up to 80 % cumulatively at peak times, the decision should not be difficult.

Dimming

The introduction to light control

The simplest solution is to dim the floodlights via DALI. Since the maximum illuminance is usually only required for matches and competitions, energy can be saved to a considerable extent by continuously dimming or switching on preset lighting levels during training. All that is required for this are AREALO 2 luminaires in DIMD design and DALI wiring to the masts.



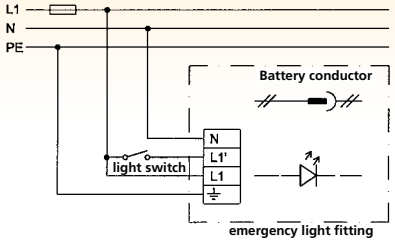


Dustproof/Waterproof LED Emergency Light Fitting with Diffuser Series 163... G2 / 163... G2 VARIO

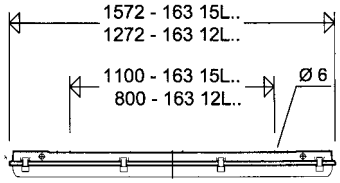
Applications:
In humid, wet and dusty rooms as replacement lighting in the event of a power failure, or as safety lighting to illuminate escape and rescue routes.

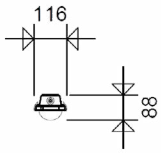
Mechanical Design:
Housing: Glass fibre reinforced polyester resin, foamed gasket.
Diffuser: Acrylic glass for high mechanical strength, frosted, additional clear cover over the LED-modules to ensure protection against contact (Types ... MA).
Closure: Single-part plastic clips (**KK**), incl. 2 safety clips (**KKS**)
Reflector: Aluminium, painted, detachable carrying the electrical components.
Connection: 3/4-pole terminal.
Cable entries: 2 blanking plugs M20. Cable entries open at the front. Variable cable entry pre-pressed on the long side and top side.
Mounting system: 2 holes for ceiling mounting. Sealing and pressure disks for sealing are supplied inside the fitting.

Wiring diagram maintained/stand by operation



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





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.

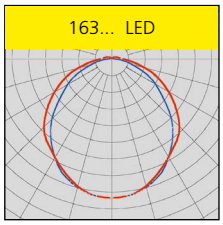
Design:
With integrated DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to four values. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.

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
Incorporated NiMH battery, electronic charger, short circuit protected battery and reverse battery protection
Electronic deep discharge protection acc. to EN 61347-2-7
Re-charging time: 24 h, acc. to EN 60598-2-22
Automatic monitoring 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.
Connection voltage: 220-240 V 50/60 Hz
Ambient temperature: 0 °C up to +30 °C

Options:
– 3.000 K, 5.000 K, 6,500 K; light colours (**830, 850, 865**)
– cable looping at 1 small side
– cover made of polycarbonate (**PC**), frosted
– stainless steel clips (**KE**)
– according to „International Featured Standard Food" (**IFS**)
– dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)

For self-contained emergency luminaires:
– 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



Advantages of the emergency light version:
- **always ready for operation** due to permanent trickle charging of the battery (MA-versions)
- **safety in an emergency,** immediate light with maximum luminous flux, even at low temperatures (MA-versions)
- **Central battery versions with 100 % luminous flux in case of emergency (ZB-versions)**
- **reliable protection against contact** due to additional clear cover (MA-versions)

General product highlights:
- **quality luminaire with above-average mechanical strength**
- **safety locks** to ensure protection against accidental contact
- **variable cable entry** thanks to additional entries along and at the top of the housing
- **homogeneous illumination by using frosted diffusers,** comfortable perception of light and brilliant glare limitation
- 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 packingmaterial)

163 ..G2/. MA

IP65

self-contained emergency luminaire with automatic monitoring

16307 0031	**163 12L22G2/1 MA**	17	2.390	810	141	•		1 x 36W	2,6
16307 0033	**163 12L42G2/1 MA**	29	4.210	810	145	•		2 x 36W	2,6
16307 0052	**163 15L34G2/1 MA**	23	3.450	830	150	•		1 x 58W	3,0
16307 0054	**163 15L60G2/1 MA**	41	6.140	830	150	•		2 x 58W	3,0
16307 0055	**163 15L34G2/3 MA**	24	3.450	830	144		•	1 x 58W	3,4
16307 0056	**163 15L60G2/3 MA**	42	6.140	830	146		•	2 x 58W	3,4

NEW

163 ..G2 VARIO ZB

IP65

for central power supply systems

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 to +40 °C

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

16307 0060	**163 12LG2 VARIO ZB**	20	3.100	3.100	155			1 x 36W	2,3
		25	3.870	3.870	155			1 x 58W	
		29	4.640	4.640	160			2 x 36W	
		34	5.420	5.420	159			2 x 58W	
16307 0061	**163 15LG2 VARIO ZB**	25	3.880	3.880	155			1 x 58W	2,8
		30	4.800	4.800	160			2 x 36W	
		36	5.760	5.760	160			2 x 58W	
		42	6.650	6.650	158			> 2 x 58W	

* 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 **163... G2 VARIO / 164.. G2 LED** in our catalogue. When ordering electronic parts or battery sets please always mention the article no. of the respective fitting.

With passion for excellent lighting – since 1895!

SCHUCH

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