

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



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.

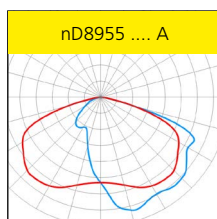
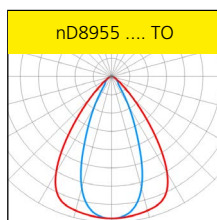
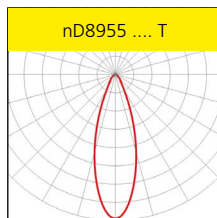
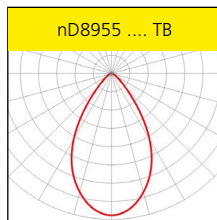
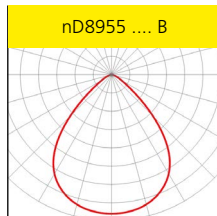
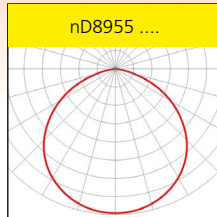
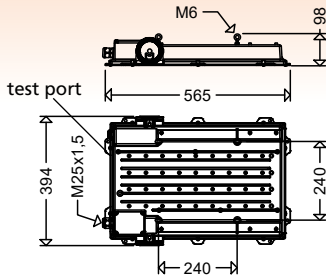
Light distribution: Without optics wide beam, with optics wide beam (B), narrow wide beam (TB) or narrow beam (T), narrow oval beam (TO) for illumination of aisles in rack areas respectively asymmetrical beam (A).

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 L₉₅ > 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)



- 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
- sustainable, 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
- GreenLine luminaire, outstanding sustainable design

Explosion protected
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.

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 *
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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.

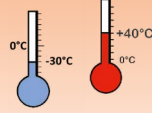
nD8955...



II 3 G Ex nR IIC T4 Gc

II 3 D Ex tc IIIC T100°C Dc

IP65



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

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

89550 0101	nD8955 L250		•									
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		•									
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		•									
89550 0307	nD8955 L470 DIMD	•	•									

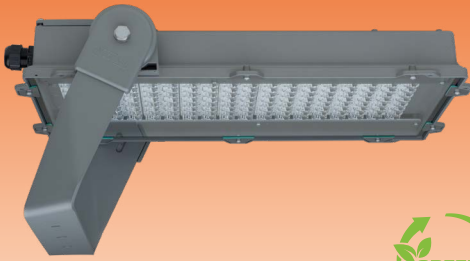
* This date is a rough guideline. In individual cases a lighting calculation is required.

Accessories / Spare Parts

Article no.	Type	
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
79559 0004	7955 Y P ST	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.

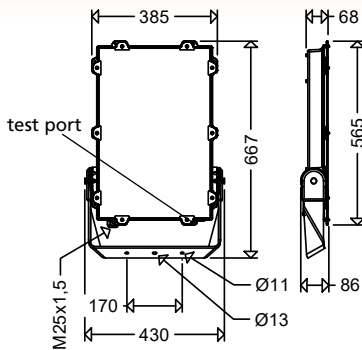
Ambient temperature: -30 °C up to +40 °C

Options:

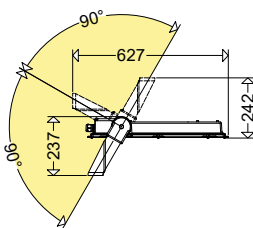
- 2,200 K; light colour (722)
- for higher ambient temperatures (H65), up to +65 °C
- asymmetrical wide beam (AB)
- asymmetrical extremely wide beam (RWX)
- seawater-resistant version
- bird deterrence



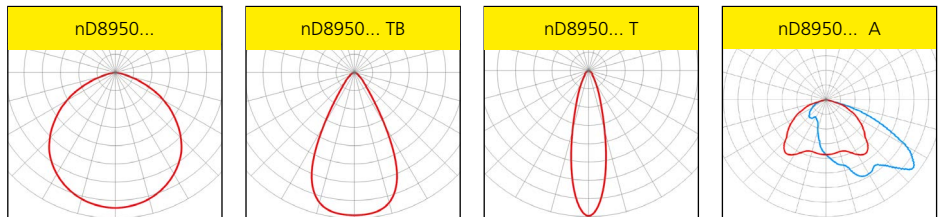
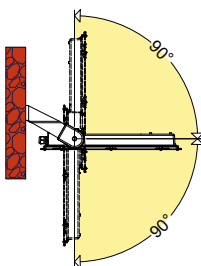
- dimming function via DALI-2 interface, compatible with LIMAS Line BASIC/ PRO wired Light Management System (DIMD)
- constant luminous flux function (CL)



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 outlying 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
- eco-friendly, no light emission into the upper half-space, **ULOR=0**
- versions dimmable to 10% and with colour temperature up to 3,000 K comply with Dark Sky requirements
- sustainable, 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
- GreenLine luminaire, outstanding sustainable design

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.



Explosion protected
Light Fittings

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 *
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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.

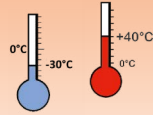
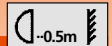
nD8950...



II 3 G Ex nR IIC T4 Gc

II 3 D Ex tc IIC T100°C Dc

IP65



Ignition protection: nR

Marking:

II 3 G Ex nR IIC T4 Gc (Zone 2)

II 3 D Ex tc IIC T100°C Dc (Zone 22)

Rated voltage: 220 V - 240 V, 50/60 Hz

Permissible ambient temperature:

-30 °C up to +40 °C

colour temperature 4.000K (light colour 740)

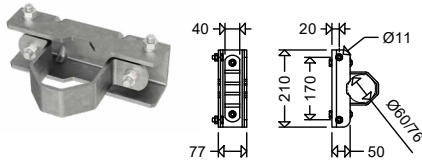
Article no.	Type	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Length [mm]	Weight [kg]	Power [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
89500 0101	nD8950 14401	•				40	10,7	144	26.500	184	HIE 400 (HS-VG), HIT400
89500 0102	nD8950 14401 TB		•								
89500 0103	nD8950 14401 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)

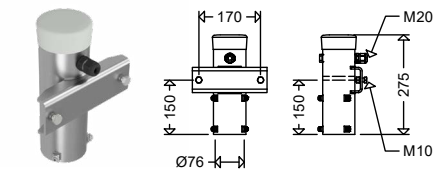
Article no.	Type	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Length [mm]	Weight [kg]	Power [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
89500 0105	nD8950 14401 730	•				40	10,7	144	25.200	175	HIE 400 (HS-VG), HIT400
89500 0106	nD8950 14401 730 TB		•								
89500 0107	nD8950 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.

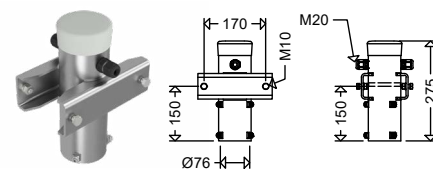
Pipe clamp fastening: ROB 60/76 G2



Single mounting: MAU 1 76/170 M10



Double mounting: MAU 2 76/170 M10



Accessories / Spare Parts

Article no.	Type	
Cable glands		
90117 9000	2537	ex-protected plastic cable gland M25 x 1,5
90119 9000	2539	ex-protected plastic cable gland M25 x 1,5 with plug
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

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.

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 DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to almost any value between 2,410 lm and 5,920 lm. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.

Technical data:

LED: Linear modules 4,000 K, CRI > 80, service life $L_{90} > 50,000$ h at 25 °C ambient temperature, service life $L_{80} > 70,000$ h and $L_{70} > 100,000$ h at max. ambient temperature

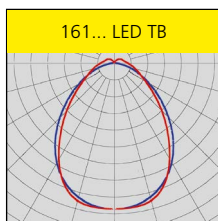
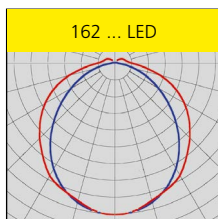
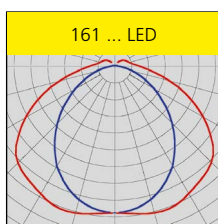
ECG: 220-240 V, 50/60 Hz, overload and short-circuit protection

Ambient temperature: -20 °C (-40 °C for types ...T40) up to ..°C see article table

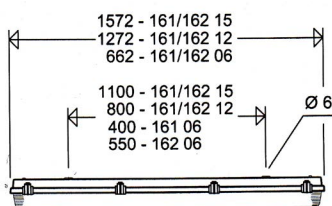
Options:

- 2,200 K, 2,700 K, 3,000 K, 5,000 K, 6,500 K; light colours (822, 827, 830, 850, 865)
- 1,800 K; light colour (518), amber for insect-friendly lighting in outdoor areas etc.
- high colour rendering index $R_a > 90$
- green LEDs, for lighting potato stores
- coloured LEDs, for signal applications

- through-wiring (DV)
- 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

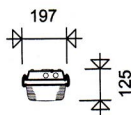
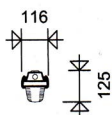


DB standardised by Deutsche Bahn AG



Series 161...

Series 162...



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.

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
- sustainable, 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
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161/162... / 161... VARIO



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.



Dustproof/Waterproof Light Fittings



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.

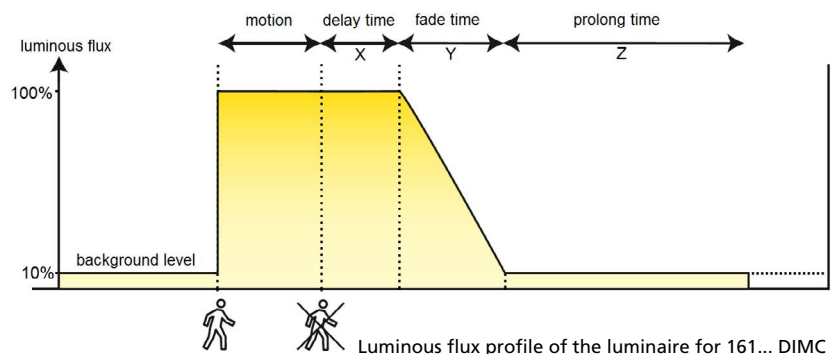
Factory settings:

- 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



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



dimnable 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



dimnable 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



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



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
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162... TB



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
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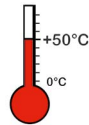
161... H50



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.



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...



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

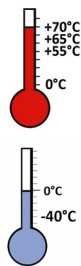
Applications:

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:

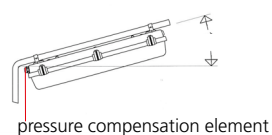
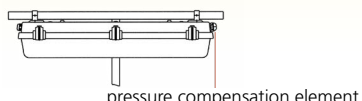
The light fitting is **not suitable** for use in extremely exposed locations with high mechanical stress (wind load) or infrequent or occasional use (e.g. maintenance or inspection lighting).

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



Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max. [°C]	Substitute for ca. *	Weight [kg] without packing material
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161/162... AUS / 161... 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 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

Dustproof/Waterproof Light Fittings

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



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.

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max. [°C]	Substitute for ca. *	Weight [kg] without packing material
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Note:
The diffusers of all 161PX... LM luminaires are made from 45 % bio-based plastics.



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

161/162... LM / 161... VARIO LM



for application in food areas

Applications:

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

Design:

Same as type 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.

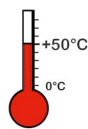
16119 0005	161 06L12 LM	1	10	1.390	139	40	1 x 18W	1,8
16119 0006	161 06L20 LM	1	16	2.370	148	40	2 x 18W	1,8
16119 0001	161 12L22 LM	1	15	2.390	159	40	1 x 36W	2,7
16119 0003	161 12L42 LM	1	27	4.240	157	40	2 x 36W	2,7
16119 0018	161 12L60 LM	1	39	5.920	152	30	2 x 58W	2,7
16119 0002	161 15L34 LM	1	21	3.440	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



for high ambient temperatures up to +50 °C

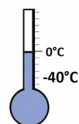


16119 0067	161 06L12 LM H50	1	10	1.390	139	50	1 x 18W	2,0
16119 0050	161 06L20 LM H50	1	16	2.370	148	50	2 x 18W	2,0
16119 0051	161 12L22 LM H50	1	15	2.390	159	50	1 x 36W	2,8
16119 0053	161 12L42 LM H50	1	27	4.240	157	50	2 x 36W	2,8
16119 0052	161 15L34 LM H50	1	21	3.440	164	50	1 x 58W	3,0
16119 0054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

161... LM T40



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.

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max. [°C]	Substitute for ca. *	Weight [kg] without packing material
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Note:
See notes in the technical appendix, chapter 4.4.

161... ER / HR (RESISTANT)



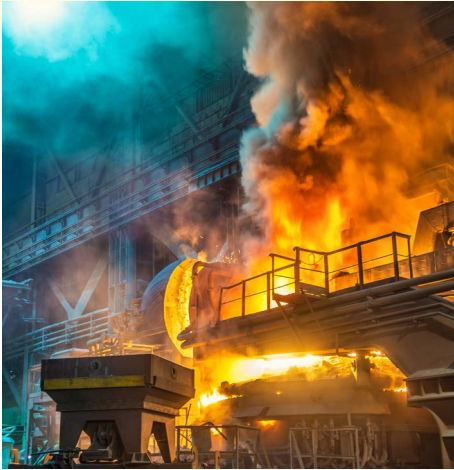
for use in hazardous areas

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.



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

Dustproof/Waterproof Light Fittings

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

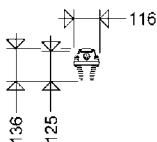
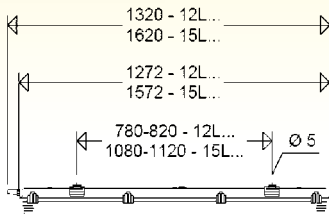
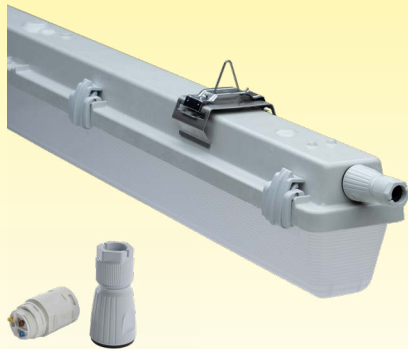
Product highlights of this version:

- 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
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161... FF/FC



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.

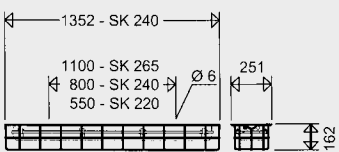
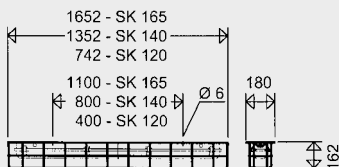
Note:

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..	16211 9018	ABD 162 036 LM	for 162 12..
16111 9018	ABD 161 036 LM	for 161 12..	16211 9019	ABD 162 058 LM	for 162 15..
16111 9019	ABD 161 058 LM	for 161 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..
90004 0003	SK 165	for 161 15..			
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	blinking 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°			
Accessories 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.

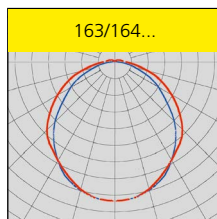
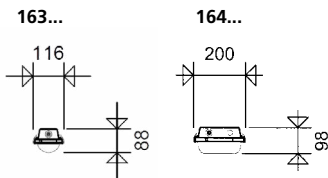
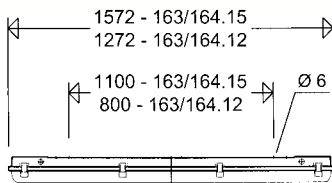
Closure: External plastic clips (KK) incl. 2 safety clips (KKS) to ensure protection against contact.

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 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

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)

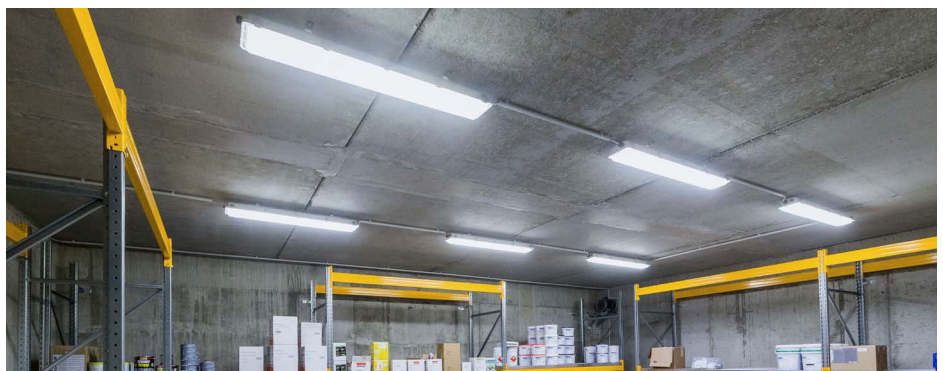
- cable looping at 1 small side
- rear cable entry
- cover made of polycarbonate (PC), clear pearled
- stainless steel clips (KE)

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
- sustainable, 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
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163... G2 VARIO / 164... G2



NEW	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	
NEW	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



dimnable via DALI interface

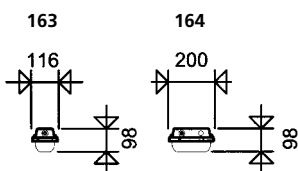
Design:

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.

NEW	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	
NEW	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.

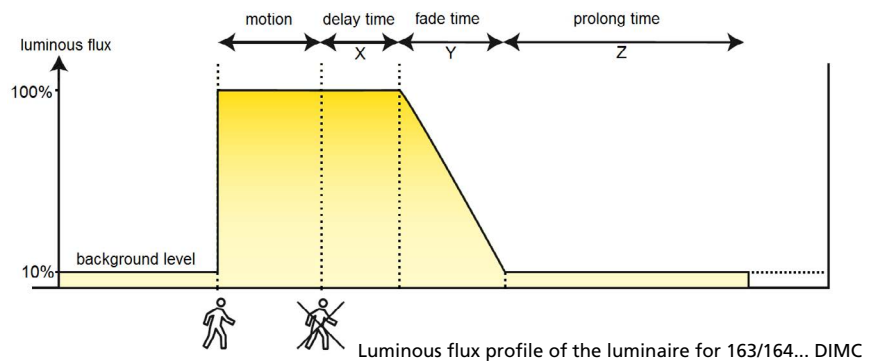
Factory settings:

- 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



Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max. [°C]	Substitute for ca. *	Weight [kg] without packing material
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163/164 ... G2 DIMC



dimnable via Corridor Mode

Factory settings DIMC types:

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

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



dimnable 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



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



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.

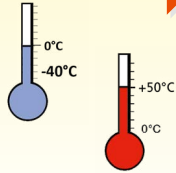


Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ambient temperature max. [°C]	Substitute for ca. *	Weight [kg] without packing material
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NEW **163... G2 T40/H50**



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**



for use in Swimming pools

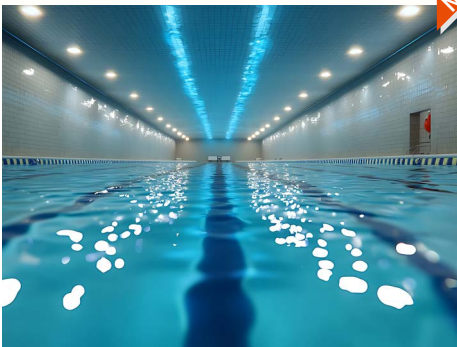
Applications:

Swimming pools, indoor pools and chlorinated environments

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

Design:

Modified for high protection against chlorinated atmospheres.



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	

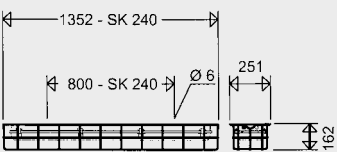
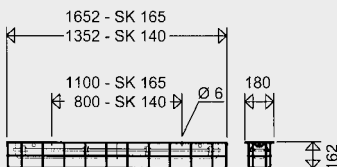
1) Factory setting

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

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	blinking 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 0003	SK 165	for 163 15...			
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			

Protective guard

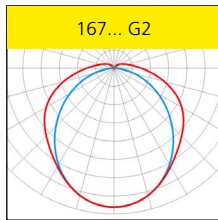
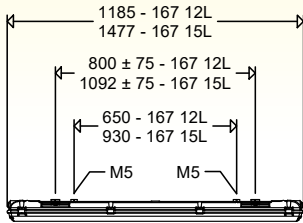
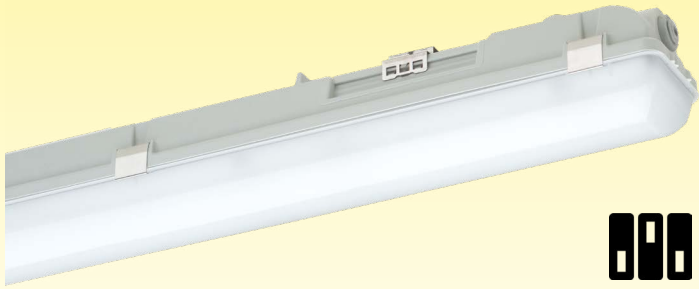


Pipe clamp R1 1/2" - Ø 48,3 mm
R2" - Ø 60,3 mm



Ceiling bracket 183 DS





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 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 $L_{80} > 50,000$ h and $L_{70} > 100,000$ 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 at 25 °C ambient temperature, service life $L_{80} > 70,000$ h and $L_{70} > 100,000$ h at max. ambient temperature

ECCG: 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-friendly 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
- sustainable, 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)!

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
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167... G2 VARIO

★	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	4.300 ¹⁾	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
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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

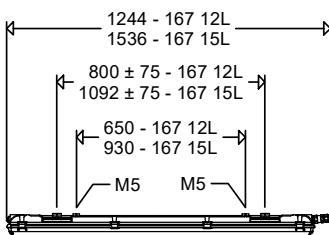


with quick mounting system

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.

Dustproof/Waterproof
Light Fittings



167... G2 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
167... G2 DIMC	x	x	–	–
167... G2 DIMC-Z30	x	x	–	x
167... G2 SENS	x	x	x	-
167... G2 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 up to 10 m. Structures such as concrete pillars can restrict the detection area. Materials such as drywall can be penetrated.

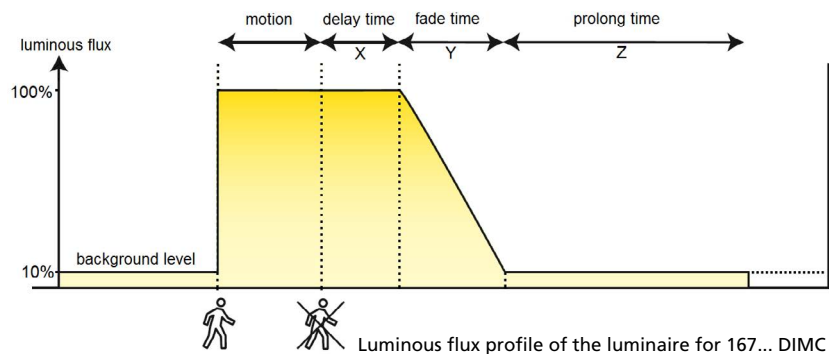
Factory settings:

- 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



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
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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

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

* 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
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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:

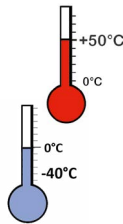
As standard version, but with CASAMBI®-enabled control gear for smart lighting control.

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 CO₂ 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



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.

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).

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
- extremely efficient
- low-glare light due to satinised cover tray

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

* 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
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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



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

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 3rd 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.

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).

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.

Connection: 5-pole quick connection from the outside.

Mounting: 1-point suspension, eyelet included.

ECC-housing: Cast aluminium

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
ECCG: 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 DALI2 interface, compatible with LIMAS Line wired Light Management System (DIMD)

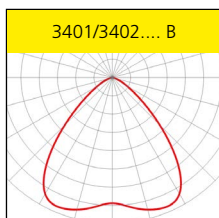
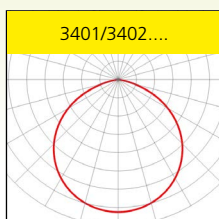
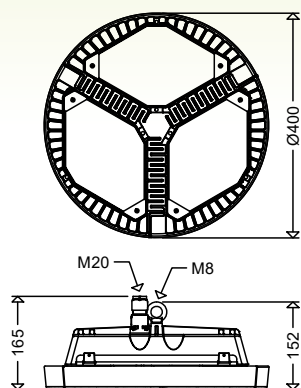
- constant luminous flux function (CL)

- radio-controlled Light Management System for industrial indoor areas (LIMAS Air)

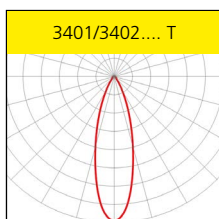
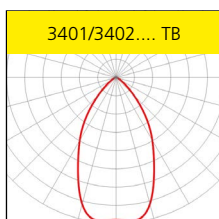
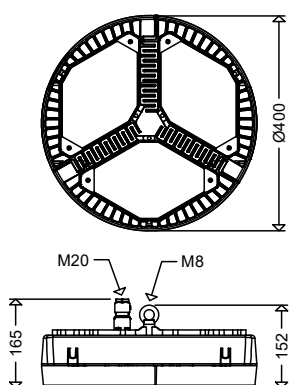
General product highlights:

- 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
- sustainable, control gear and LED-module replaceable by qualified personnel on-site

3401... G3



3402... G3



! 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).

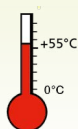
Article no.	Type	dimmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
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3401... G3

colour temperature 4.000K (light colour 840)

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	•		•							

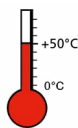


colour temperature 5.000K (light colour 850)

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).

Article no.	Type	dimmmable	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 *
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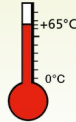
3402... G3



colour temperature 4.000K (light colour 840)

34012 0023	3402 L100 G3		•		
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	•		•	

65	6,5	61	10.000	164	HME250
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colour temperature 5.000K (light colour 850)

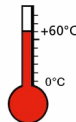
34012 0001	3402 L100 G3 850		•		
34012 0003	3402 L100B G3 850		•		
34012 0005	3402 L100TB G3 850			•	
34012 0002	3402 L100 G3 DIMD 850	•	•		
34012 0004	3402 L100B G3 DIMD 850	•	•		
34012 0006	3402 L100TB G3 DIMD 850	•		•	

65	6,5	61	10.000	164	HME250
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colour temperature 4.000K (light colour 840)

34012 0029	3402 L200 G3		•		
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	•			•

60	6,5	123	20.000	163	HIT250, HME400, HIE400 (HS-VG)
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colour temperature 5.000K (light colour 850)

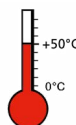
34012 0007	3402 L200 G3 850		•		
34012 0009	3402 L200B G3 850		•		
34012 0011	3402 L200TB G3 850			•	
34012 0013	3402 L200T G3 850				•
34012 0008	3402 L200 G3 DIMD 850	•	•		
34012 0010	3402 L200B G3 DIMD 850	•	•		
34012 0012	3402 L200TB G3 DIMD 850	•		•	
34012 0014	3402 L200T G3 DIMD 850	•			•

60	6,5	123	20.000	163	HIT250, HME400, HIE400 (HS-VG)
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colour temperature 4.000K (light colour 840)

34012 0037	3402 L300 G3		•		
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	•			•

50	6,7	190	30.000	158	HIE400 (HS-VG), HIT400
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colour temperature 5.000K (light colour 850)

34012 0015	3402 L300 G3 850		•		
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	•			•

50	6,7	190	30.000	158	HIE400 (HS-VG), HIT400
----	-----	-----	--------	-----	------------------------

* 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	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm] ¹⁾	Light output [lm/W]	Substitute for *
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3402... G3 VARIO



Design:

Same as type 3402... G3 but: With a switch for for variable adjustment of the luminous flux in the luminaire. The connected load will change depending on the setting of the luminous flux.

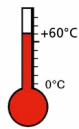
Product highlights of the VARIO version:

- 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)

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	•						

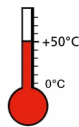


colour temperature 5.000K (light colour 850)

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

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 *
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NEW

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



Available on request with ESG cover and T-optics.



3402... G3 RFL0U

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

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

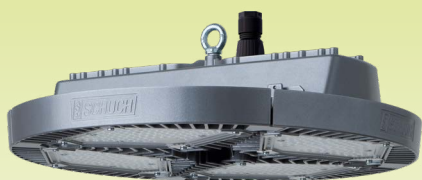
Article No.	Type	
90547 9011	LACA TAST4 AP	Battery-free, 4-button CASAMBI® radio switch. Actuating the switch generates the energy required to power the switch electronics
90547 9009	LACA TASTIF4 UP	CASAMBI® push-button interface for connecting up to 4 volt-free push-button inputs. Designed for installation 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 galvanized steel, painted as a dirt shield retrofitting, for 3401... G3
34011 9012	SAS 3402 G3	cover, shield galvanized steel, painted as a dirt shield retrofitting, for 3402... G3

NEW

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.

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.

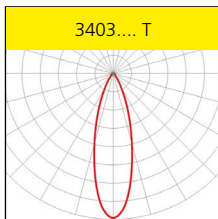
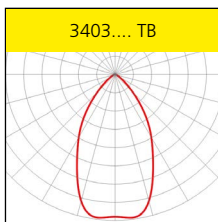
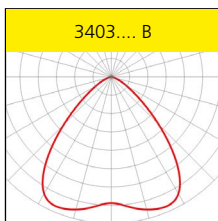
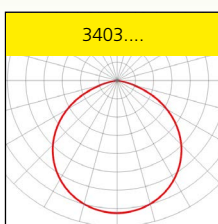
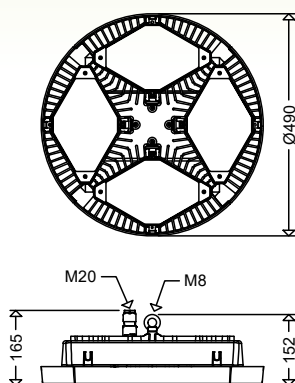
Mounting: 1-point suspension, eyelet included.

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.



Technical Data:

LED module: 4,000 K or 5,000 K, CRI > 80, service life L₉₀ > 50,000 h at 25 °C ambient temperature, service life L₇₀ > 100,000h at max. ambient temperature
ECG: 220-240 V, 50/60 Hz, Surge voltage resistance 4 kV, overload and short circuit protection.

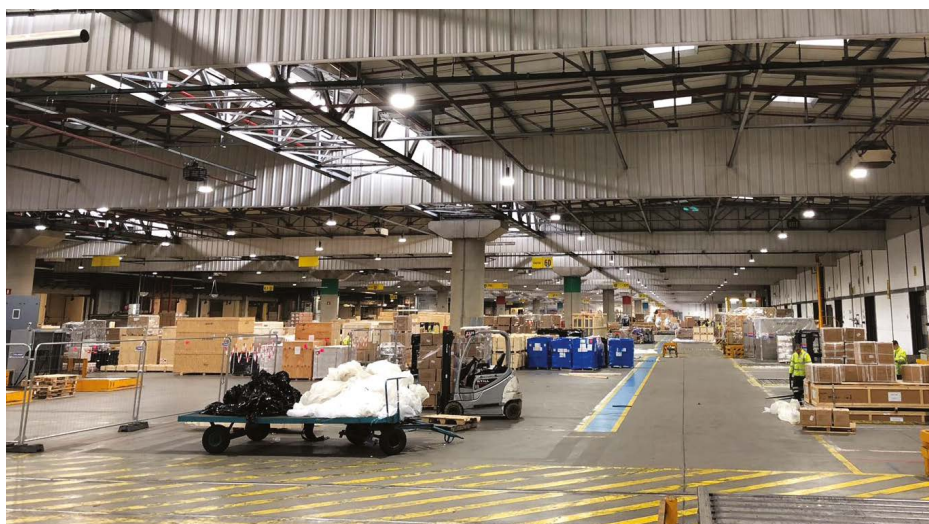
Ambient temperature: -25 °C up to .. °C (see article tables)

Options:

- according to 'International Featured Standard Food' (IFS), with PC cover, without optics
- for higher ambient temperatures (+70 °C)
- silicone-free
- for connection to central emergency supply systems (ZB)
- Ready for Lightmanagement System (RFL)
- dimming function via DALI2 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
- sustainable, 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).

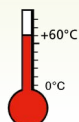
Article no.	Type	dimmmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
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3403... G3



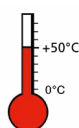
colour temperature 4.000K (light colour 840)

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

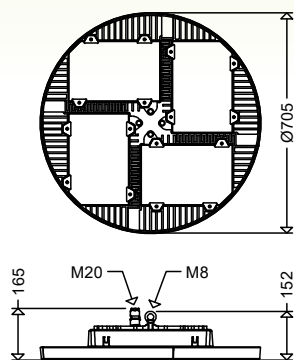
Article no.	Type	
34011 9001	ABD TRIANO ESGW	cover, clear safety glass pane (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9003	ABD TRIANO PRA PMMA	cover, clear PMMA disc with outer prisms (for 1 LED module), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
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 galkvanized 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)

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

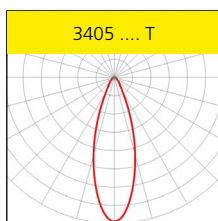
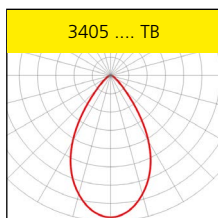
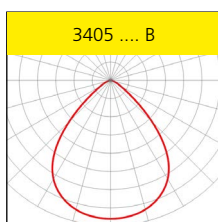
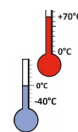
- Ready for Lightmanagement System (RFL)

- dimming function via DALI2 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
- sustainable, control gear and LED-module replaceable by qualified personnel on-site
- GreenLine luminaire, outstanding sustainable design

! 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.



High Bay Fittings

Article no.	Type	dimmmable	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 *
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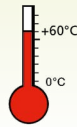
3405... G3



colour temperature 4.000K (light colour 840)

34052 0003	3405 L320B G3		•		
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	•			•

60	15,6	190	34.200	180	HIT 400
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colour temperature 5.000K (light colour 850)

34052 0027	3405 L320B G3 850		•		
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	•			•

60	15,6	190	34.200	180	HIT 400
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colour temperature 4.000K (light colour 840)

34052 0011	3405 L450B G3		•		
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	•			•

60	15,6	280	48.300	173	HIT 400, HME 700
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colour temperature 5.000K (light colour 850)

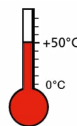
34052 0035	3405 L450B G3 850		•		
34052 0037	3405 L450TB G3 850			•	
34052 0039	3405 L450T G3 850				•
34052 0036	3405 L450B G3 DIMD 850	•	•		
34052 0038	3405 L450TB G3 DIMD 850	•		•	
34052 0040	3405 L450T G3 DIMD 850	•			•

60	15,6	280	48.300	173	HIT 400, HME 700
----	------	-----	--------	-----	------------------

colour temperature 4.000K (light colour 840)

34052 0019	3405 L600B G3		•		
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	•			•

50	15,6	392	66.000	168	2 x HIT 400, HME 1000
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colour temperature 5.000K (light colour 850)

34052 0043	3405 L600B G3 850		•		
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	•			•

50	15,6	392	66.000	168	2 x HIT 400, HME 1000
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* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)

Accessories / Spare Parts

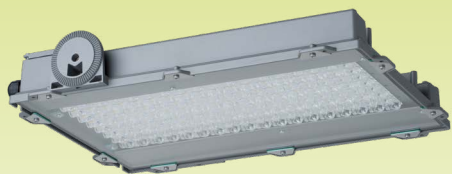
Article no.	Type	
34011 9011	ABD 3405 ESGW	cover, clear safety glass pane, for 3405... (1 segment)
34051 0002	SAS 3405 G3	cover, shield galvanized steel, painted as a dirt shield retrofitting, for 3405... G3

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, DB 702 (mica-iron paint, grey), with LED modules and flat safety glass (IK09).

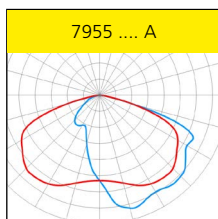
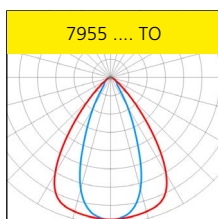
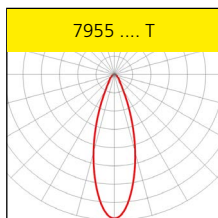
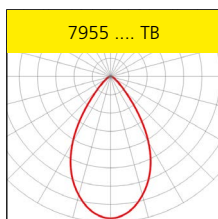
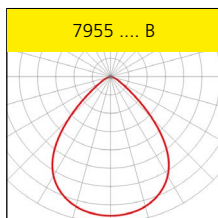
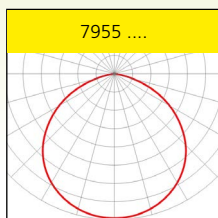
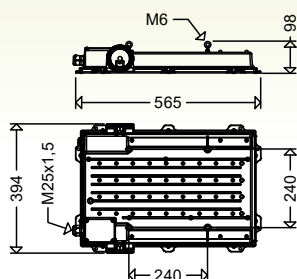
Light distribution: Without optics wide

beam, with optics wide beam (B), narrow wide beam (TB) or narrow beam (T), narrow oval beam (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 central emergency supply systems (ZB)
- power reduction with control phase (LR)
- constant luminous flux function (CL)
- radio-controlled Light Management System for industrial indoor areas (LIMAS Air)
- additional overvoltage protection

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
- sustainable, 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
- GreenLine luminaire, outstanding sustainable design

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.



High Bay
Fittings

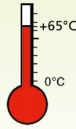
Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Asymmetrical beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
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Dimming function via DALI2 interface, compatible with LIMAS Line wired Light Management System (DIMD).

7955...



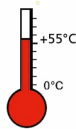
... for ambient temperatures up to +65 °C



79550 0001	7955 L190		•									
79550 0002	7955 L190B		•									
79550 0003	7955 L190TB			•								
79550 0004	7955 L190T				•							
79550 0005	7955 L190TO					•						
79550 0006	7955 L190 DIMD	•	•									
79550 0007	7955 L190B DIMD	•	•									
79550 0008	7955 L190TB DIMD	•		•								
79550 0009	7955 L190T DIMD	•			•							
79550 0010	7955 L190TO DIMD	•				•						

65	8,2	102	19.900	195	HIE 400
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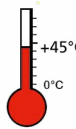
... for ambient temperatures up to +55 °C



79550 0011	7955 L250		•									
79550 0012	7955 L250B		•									
79550 0013	7955 L250TB			•								
79550 0014	7955 L250T				•							
79550 0015	7955 L250TO					•						
79550 0016	7955 L250 DIMD	•	•									
79550 0017	7955 L250B DIMD	•	•									
79550 0018	7955 L250TB DIMD	•		•								
79550 0019	7955 L250T DIMD	•			•							
79550 0020	7955 L250TO DIMD	•				•						

55	8,2	144	27.500	191	HIE 400 (HS-VG), HIT 400
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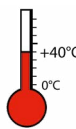
... for ambient temperatures up to +45 °C



79550 0021	7955 L360		•									
79550 0022	7955 L360B		•									
79550 0023	7955 L360TB			•								
79550 0024	7955 L360T				•							
79550 0025	7955 L360TO					•						
79550 0026	7955 L360 DIMD	•	•									
79550 0027	7955 L360B DIMD	•	•									
79550 0028	7955 L360TB DIMD	•		•								
79550 0029	7955 L360T DIMD	•			•							
79550 0030	7955 L360TO DIMD	•				•						

45	8,2	205	38.300	187	HIT 400
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... for ambient temperatures up to +40 °C

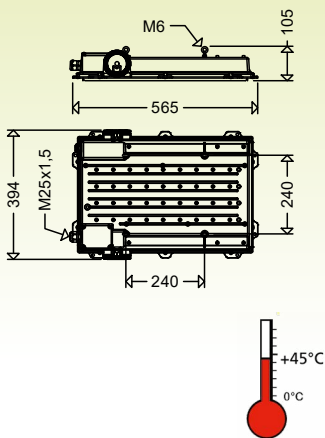


79550 0031	7955 L470		•									
79550 0032	7955 L470B		•									
79550 0033	7955 L470TB			•								
79550 0034	7955 L470T				•							
79550 0035	7955 L470TO					•						
79550 0036	7955 L470 DIMD	•	•									
79550 0037	7955 L470B DIMD	•	•									
79550 0038	7955 L470TB DIMD	•		•								
79550 0039	7955 L470T DIMD	•			•							
79550 0040	7955 L470TO DIMD	•				•						

40	8,5	289	52.000	180	2 x HIT 250, HME 400
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* 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.



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 *
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7955... IFS



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.

79550 0100	7955 L360 IFS		•				45	8,2	205	38.300	187	HIT 400
79550 0101	7955 L360B IFS		•									
79550 0102	7955 L360TB IFS			•								
79550 0103	7955 L360T IFS				•							
79550 0104	7955 L360TO IFS				•							
79550 0105	7955 L360 DIMD 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.

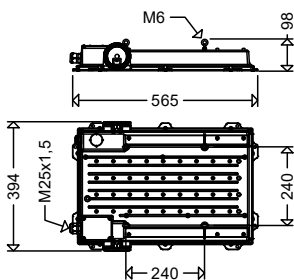
RFL - Ready for Light Management Systems

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...



with a socket on the top side of the luminaire

79551 0001	7955 L360 RFLSO		•			45	8,2	205	38.300	187	HIT 400
79551 0002	7955 L360B RFLSO		•								
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 *
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7955... SBL



for use in Swimming pools

Applications:

Swimming pools, indoor pools and chlorinated environments

Design:

Modified for high protection against chlorinated atmospheres.

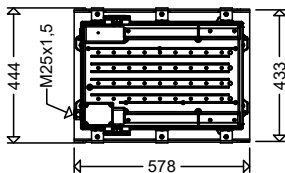
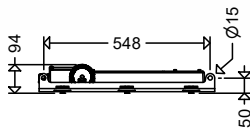
Attention:

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



79554 0001	7955 L360 SBL											
79554 0002	7955 L360B SBL											
79554 0003	7955 L360TB SBL											
79554 0004	7955 L360A SBL											
79554 0005	7955 L360 DIMD SBL											
79554 0006	7955 L360B DIMD SBL											
79554 0007	7955 L360TB DIMD SBL											
79554 0008	7955 L360A DIMD SBL											

45	8,2	205	38.300	187	HIT 400
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7955... V



for use in galvanising plants

Applications:

Specially developed version or use in galvanizing plants.

Design:

As standard version 7955..., but: Stable support frame made of galvanised and painted steel.

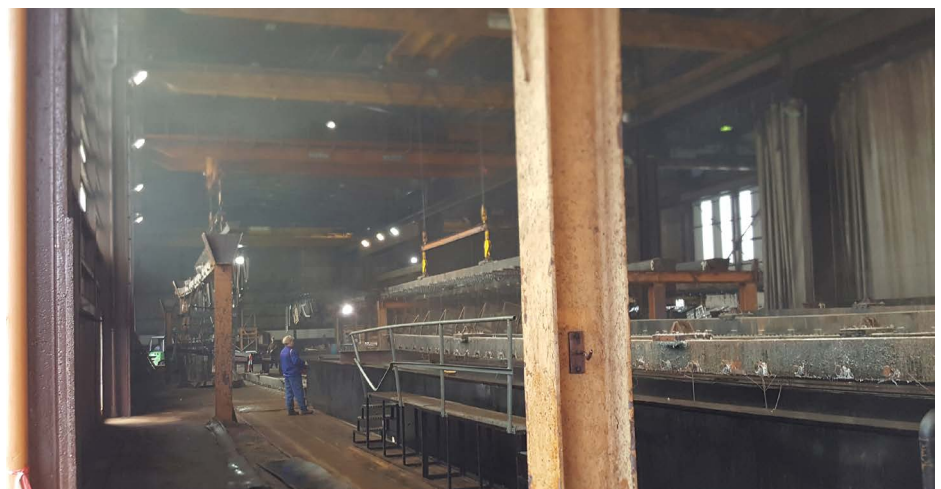
Attention:

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

79553 0001	7955 L360 V											
79553 0002	7955 L360B V											
79553 0003	7955 L360TB V											
79553 0004	7955 L360T V											
79553 0006	7955 L360 DIMD V											
79553 0007	7955 L360B DIMD V											
79553 0008	7955 L360TB DIMD V											
79553 0009	7955 L360T DIMD V											

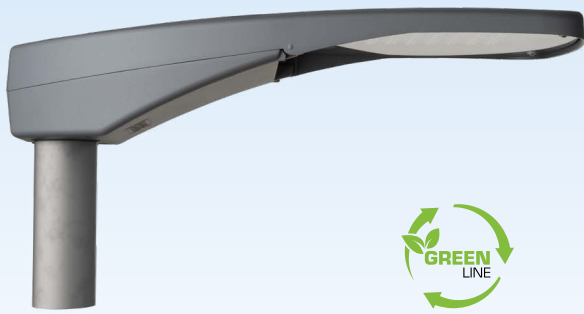
45	14,5	205	38.300	187	HIT 400
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* This date is a rough guideline. In individual cases a lighting calculation is required.



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
79559 0004	7955 Y P ST	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.

Electrical design:

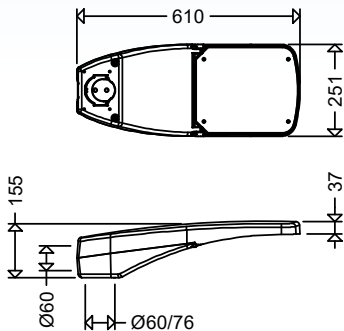
LED module: 4,000 K or 3,000 K, $R_a > 70$, service life $L_{50} > 100,000$ h, Zhaga compliant

ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

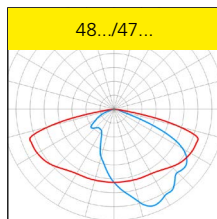
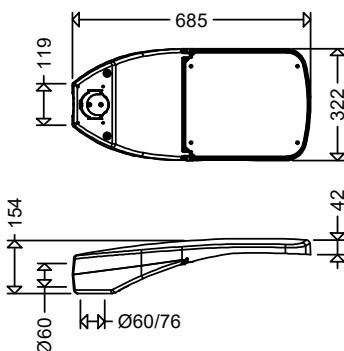
Options:

- 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

48...



47...



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, foldable **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
- eco-friendly, 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**
- sustainable, 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
- GreenLine luminaire, outstanding sustainable design

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).

Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
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48... / 47...



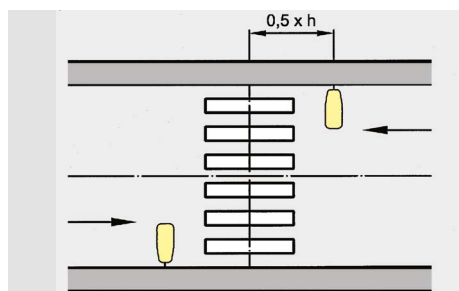
colour temperature 4.000K (light colour 740)

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

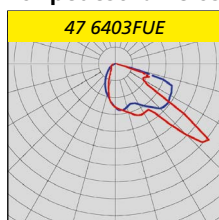
Outstanding mounting advantage



47... FUE



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.

colour temperature 4.000K (light colour 740)

47000 0448	47 6403FUE	140	22.030	157	10,3
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colour temperature 3.000K (light colour 730)

47000 0467	47 6403FUE 730	140	20.930	150	10,3
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All light fittings also available with connected cable (see accessories in the data sheet).

Article No.	Type	Connected load [W]	Luminous flux [lm] ¹⁾	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
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48... / 47... VARIO



Design:

Same as type 48... / 47... but: With 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)

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).



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



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

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, CO₂, weather station etc.) on request.

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

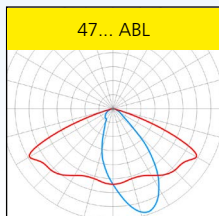
Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
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NEW
47... DB



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



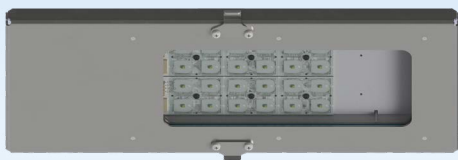
Pipe brackets for wall, pole and corner mounting, and post top brackets please see accessories in the data sheet.

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

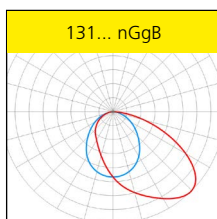
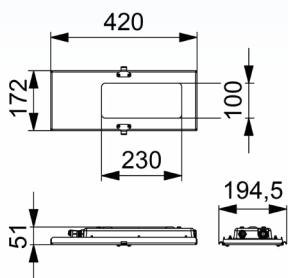
Light distribution: Asymmetrical beam

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)
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131 L09 nGgB DB



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)
- sustainable, components replaceable
- future proof by using Zhaga-compliant LED-modules



colour temperature 4.000 K (light colour 840)

13102 0001	131 L09 nGgB DB	7,8	877	112	2,4
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ECG unit

90283 0020	EVG 2 131 L09 nGgB DB	EVG unit for connecting 2 luminaires 131 L09 nGgB DB
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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).

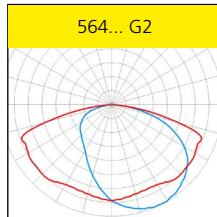
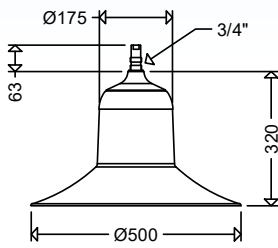
Mounting: To pole top sections with internal thread 3/4" (see accessories / spare parts).

Electrical design:

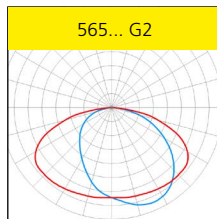
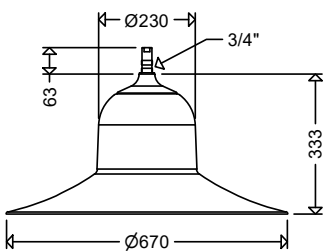
LED module: 4,000 K or 3,000 K, $R_a > 70$, service life $L_{95} > 100,000$ h, Zhaga compliant

ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection.

Series 564... G2



Series 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
- eco-friendly, 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
- sustainable, 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.

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
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564... G2 / 565... G2

IP54



Wind load area A = 0,09m²

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

Outdoor Light Fittings

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

Article No.	Type	Connected load [W]	Luminous flux [lm] ¹⁾	Luminous efficacy [lm/W] (up to)	Substitute for ca. *	Weight [kg] (without packing material)
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564... G2 VARIO / 565... G2 VARIO

IP54



Wind load area A = 0,09m²

Design:

Same as type 564... G2 / 565... G2 but: With 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)

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

1) possible setting range

Factory setting L100: 54 W; replaces approx. HME 250

* 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)
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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



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

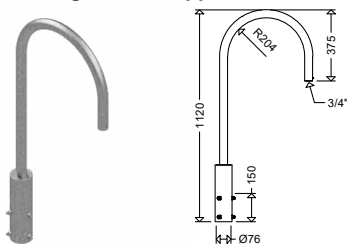
colour temperature 4.000K (light colour 740)

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

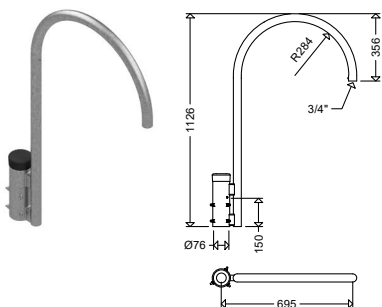
colour temperature 3.000K (light colour 730)

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

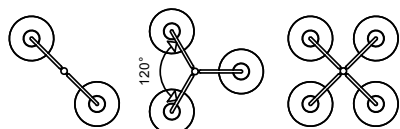
Round arch pole-top adapter for pendant lights with upper thread 3/4"



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).

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

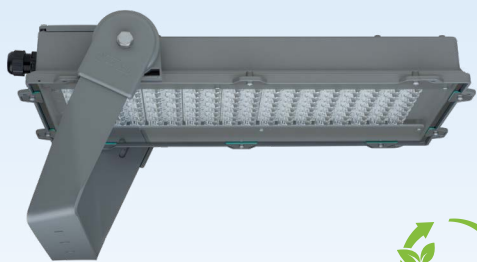
Other sensors, e.g. environmental sensors (fine dust, CO₂, weather station etc.) on request.

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).

Electrical design:

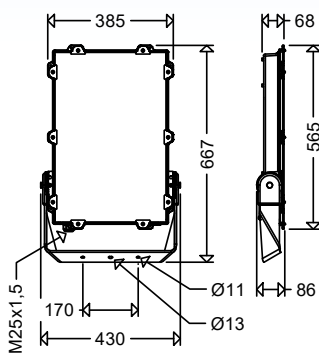
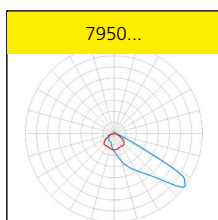
LED module: 4,000 K or 3,000 K, R_a > 70, service life L₉₅ > 100,000 h, Zhaga compliant

ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10kV, overload and short circuit protection.

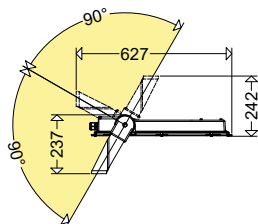
Options:

- 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
- bird deterrence
- dimming function via DALI-2 interface

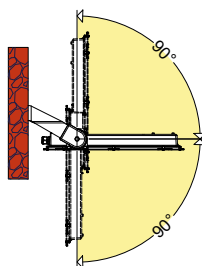
- (DIMD)
- power reduction with control phase (LR)
- constant luminous flux function (CL)
- compatible with LIMAS Line and LIMAS Air Light Management System



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 outlying electrical connection box
- homogeneous illumination due to the Multi-Layer-Technology
- eco-friendly, 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
- sustainable, 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
- GreenLine luminaire, outstanding sustainable design



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).

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
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7950... SP OP



Version OP:

Additional overvoltage protection in the luminaire.

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



with a socket on the top side of the luminaire

colour temperature 4.000K (light colour 740)

79501 0001	7950 14404SP OP RFLSO	432	66.500	154	11,0
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colour temperature 3.000K (light colour 730)

79501 0002	7950 14404SP 730 OP RFLSO	432	63.200	146	11,0
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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 packing material)
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7950... SP OV



Version:

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

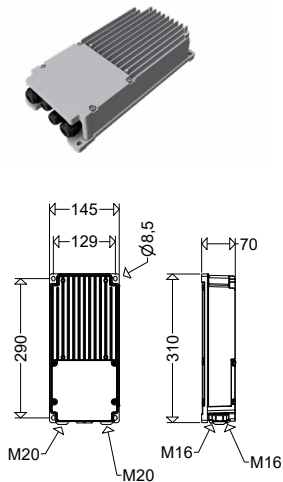
colour temperature 4.000K (light colour 740)

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

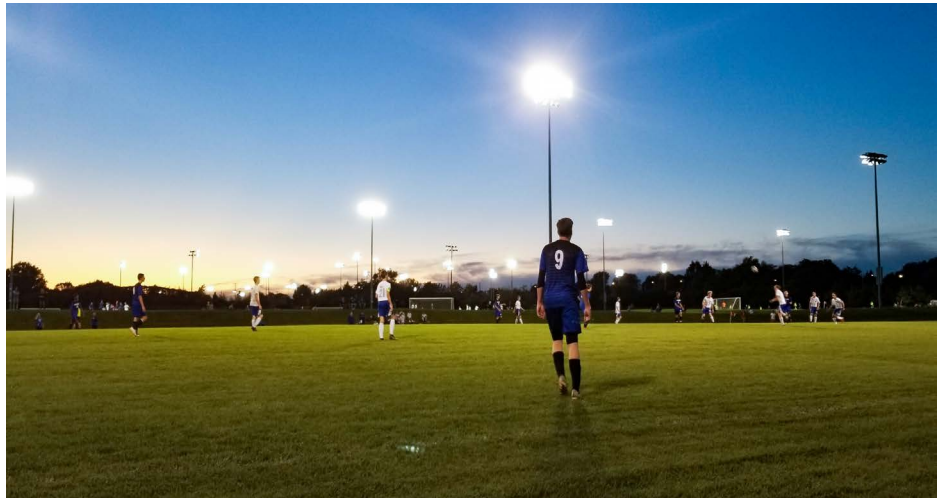
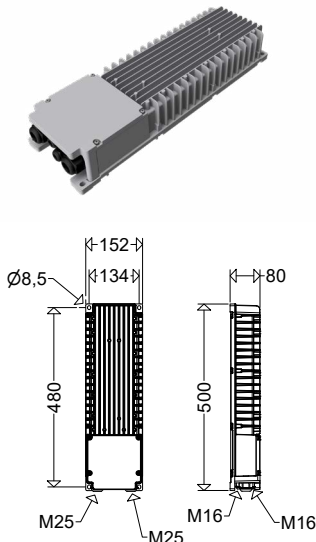
colour temperature 3.000K (light colour 730)

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



Typ 4



Internal pole mounting unit 7850 ME 1000



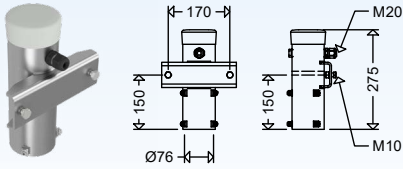
Design:

ECG for direct mounting with 4 screws

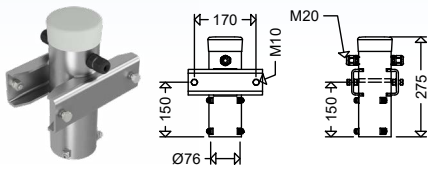
Connection: Direct connection of the cables in the connection compartment of the ECG; access to the connection compartment by loosening 4 screws.

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

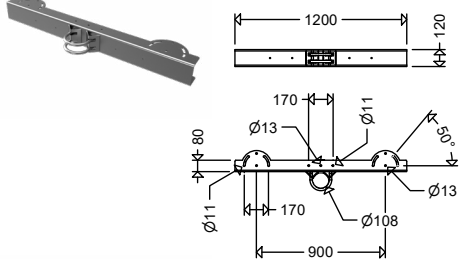
Single mounting: MAU 1 76/170 M10



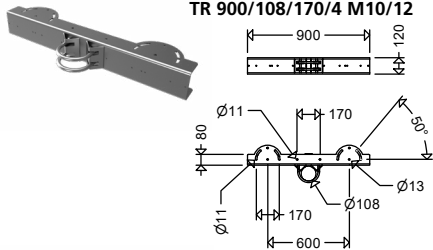
Double mounting: MAU 2 76/170 M10



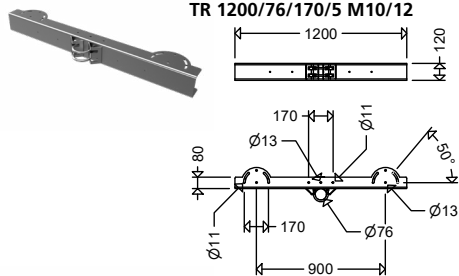
TR 1200/108/170/5 M10/12



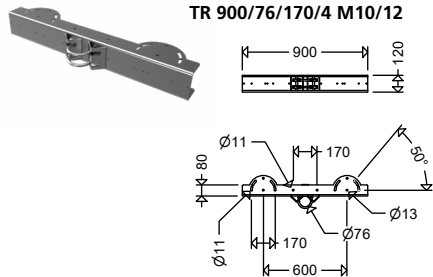
TR 900/108/170/4 M10/12



TR 1200/76/170/5 M10/12



TR 900/76/170/4 M10/12



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

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

INTELLIGENT LIGHT CONTROL AT SPORTS FACILITIES

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.



Outdoor
Light Fittings

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.

VARIO versions with variable setting of the luminous flux

Applications:

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

Design:

As standard version but with DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to 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

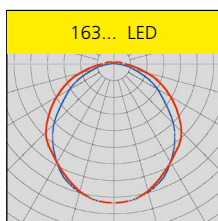
– Radio module for centralised monitoring, compatible with LIMAS Air GUARD Light Management System

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



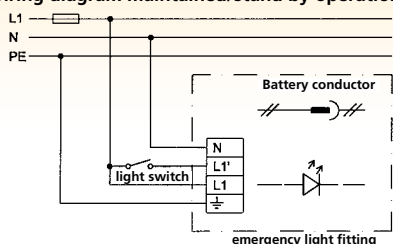
Advantages of the emergency light version:

- 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)

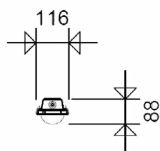
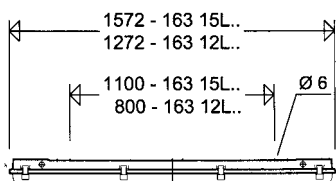
General product highlights:

- 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
- sustainable, 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

Wiring diagram maintained/stand by operation



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



Properties, limitations and details for controlling LED-light fittings:

See "Technical Supplement"

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

Article no.	Type	Connected load [W] (incl. battery charge)	Luminous flux [lm]	Luminous flux [lm] (emergency operation)	Luminous efficacy [lm/W]	Operating time 1 h	Operating time 3 h	Substitute for *	Weight [kg] (without packing material)
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163 ..G2/. MA



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



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!**



Adolf Schuch GmbH
Lichttechnische Spezialfabrik
Mainzer Straße 172 • 67547 Worms
PO Box 21 45 • 67511 Worms
Telephone: +49 6241 4091-0
info@schuch.de • www.schuch.de