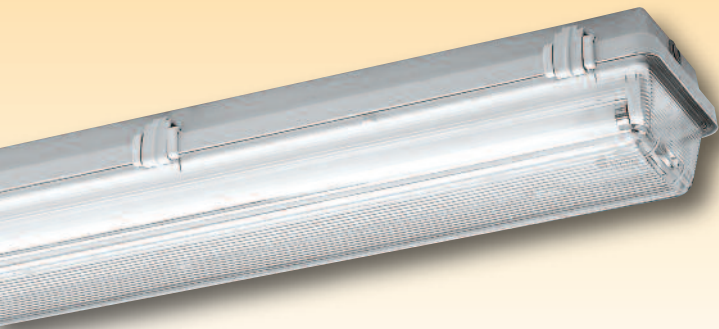


NEW
Insulation class I

Polyester Damp Room Emergency Light Fittings Series 161/162...



Application:

For illumination of working places and acc. to DIN V VDE V0108-100 and EN 1838 for illuminating and identifying escape routes etc.

Mechanical Design:

Housing: Glass fibre reinforced polyester resin, foamed polyurethane gasket.
Diffuser: Injected clear acrylic glass or polycarbonate (PC) each with internal prisms.
Closure: Three-part captive plastic clips (KK). - Stainless steel clips (KE) or a combination plastic/stainless steel (KC) or one-sided stainless steel hinges are also

available at extra charge.

Reflector: White sheet steel hingeable, carrying the electrical components.

Connection: 4-pole plug-in terminal.

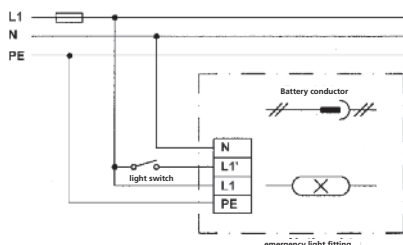
Cable entry: 2 plugs M20.

Through wiring system: Up to 5x2,5mm² (extra charge).

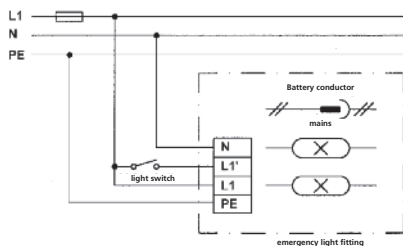
Mounting system: „Closed“ knock-outs for direct ceiling mounting, rubber sealing washers inside each fitting.

Shock resistance test: RK 1,6 / 16A

Wiring diagram 161... maintained operation



Wiring diagram 162... maintained operation



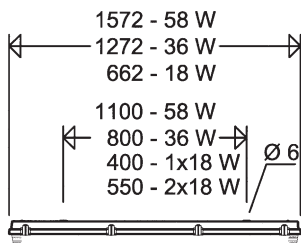
Starting: Connect battery conductor

Out of operation: Disconnect battery conductor

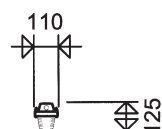
Stand-by operation: Do not connect L1'

SCHUCH quality - your advantage:

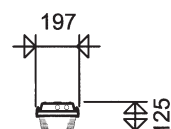
- high grade, robust, chemically resistant light fitting of an excellent quality; especially suitable for its application at a rough industrial environment:
 - housing made from glass fibre reinforced polyester resin of a high impact resistance (wall thickness: 2mm); outstanding chemical- and UV-resistance.
 - housing with 3 mounting points, especially suited for areas with a risk of shocks and vibrations e.g. power plants, boiler- or turbine rooms
 - injected PMMA diffuser of a high mechanical stability (quadruple safety due to impact resisting component. Wall thickness: 1,9mm). Excellent chemical resistance.
 - alternative: injected PC diffuser of a very high impact resistance (16 Nm) even at a high continuous temperature
- best suitable for easy mounting and maintenance purpose with a high security of continuous operation:
 - tiltable cover allows a quick and easy lamp replacement without any tools
 - captive clips consisting of several components made from high grade POM (standard) or stainless steel in case of aggressive ambient conditions (also available with hinges)
 - cost-efficient loop-in/loop-out facility
- ready for operation at any time due to permanent conservation charging
- optical indication via LED
- electronic deep discharge protection



Series 161...



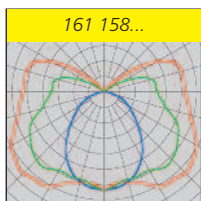
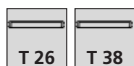
Series 162...



161/162.../I/..



with self-contained battery

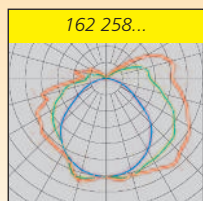
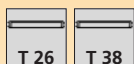


Type	Article no.	Lamps W	Flux factor ca. %	Weight ca. kg ⁵⁾
1 h operation time¹⁾, with conventional ballasts				
161 136/I/18/1 ⁴⁾	16110 0509	1 x T 26/36 W	18	4,1
161 136/I/34/1	16110 0525	1 x T 26/36 W	34	4,4
161 158/I/15/1 ⁴⁾	16110 0510	1 x T 26/58 W	15	4,6
161 158/I/22/1	16110 0526	1 x T 26/58 W	22	4,9
162 218/I/25/1 ^{3) 4)}	16210 0548	2 x T 26/18 W	25	3,3
162 218/I/65/1	16210 0583	2 x T 26/18 W	65	3,7
162 236/I/18/1 ^{3) 4)}	16210 0551	2 x T 26/36 W	18	5,3
162 236/I/34/1	16210 0584	2 x T 26/36 W	34	7,0
162 236/I/55/1	16210 0685	2 x T 26/36 W	55	7,7
162 258/I/15/1 ^{3) 4)}	16210 0554	2 x T 26/58 W	15	7,2
162 258/I/22/1	16210 0586	2 x T 26/58 W	22	7,5
162 258/I/32/1	16210 0687	2 x T 26/58 W	32	7,7

161/162.../I/... EVG



with self-contained battery



Type	Article no.	Lamps W	Flux factor ca. %	Weight ca. kg ⁵⁾
1 h operation time, with electronic ballast (EVG)				
161 136/I/18/1 EVG ¹⁾	16110 0517	1 x T 26/36 W	18	3,5
161 136/I/34/1 EVG	16110 0527	1 x T 26/36 W	34	3,8
161 158/I/15/1 EVG ¹⁾	16110 0518	1 x T 26/58 W	15	3,9
161 158/I/22/1 EVG	16110 0528	1 x T 26/58 W	22	4,2
162 218/I/25/1 EVG ^{1) 3)}	16210 0595	2 x T 26/18 W	25	3,0
162 218/I/65/1 EVG	16210 0582	2 x T 26/18 W	65	3,3
162 236/I/18/1 EVG ^{1) 3)}	16210 0562	2 x T 26/36 W	18	4,8
162 236/I/34/1 EVG	16210 0578	2 x T 26/36 W	34	5,6
162 236/I/55/1 EVG ⁴⁾	16210 0679	2 x T 26/36 W	50	5,3
162 258/I/15/1 EVG ^{1) 3)}	16210 0563	2 x T 26/58 W	15	5,6
162 258/I/22/1 EVG	16210 0580	2 x T 26/58 W	22	5,8
162 258/I/32/1 EVG ⁴⁾	16210 0681	2 x T 26/58 W	31	6,1

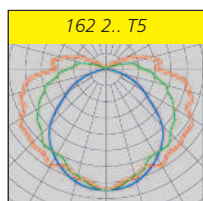
1) 3h emergency operation possible
 2) Ratio effective lamp flux/nominal flux
 3) shock proof versions
 4) MA version not possible
 5) Weights without packing material

NEW

161/162... (T5)



for fluorescent tubes T5 (Ø 16mm) with self-contained battery and automatic monitoring



Type	Article no.	Lamps W	Flux factor ca. %	Weight ca. kg ⁴⁾
161 128/28/1 MA	16110 0132	1 x T16/28 W	28	4,0
161 135/35/1 MA	16110 0130	1 x T16/35 W	35	4,4
161 149/20/1 MA	16110 0131	1 x T16/49 W	20	4,4
162 154/22/1 MA	16210 0188	1 x T16/54 W	22	5,2
162 180/15/1 MA ²⁾	16210 0189	1 x T16/80 W	15	6,1
162 214/25/1 MA	16210 0190	2 x T16/14 W	25	3,1
162 224/12/1 MA	16210 0191	2 x T16/24 W	12	3,1
162 228/40/1 MA	16210 0192	2 x T16/28 W	40	5,3
162 235/35/1 MA	16210 0193	2 x T16/35 W	35	6,2
162 249/20/1 MA	16210 0194	2 x T16/49 W	20	6,2

Note:

Depending on the length of the fluorescent lamps different types of fluorescent lamps are available:

- FM high light efficiency (14, 28, 35 W)
- FQ high output (24, 54, 49, 80W)
- Amalgam lamps with an almost constant luminous flux from 5°C up to 70°C (24, 54, 80W)

For deep temperatures we do recommend amalgam lamps.

NEW

161/162... H50



for high ambient temperatures up to +50°C, with self-contained battery

Applications:

Power stations, garbage incineration plants, recycling plants, chemical industries, canteen kitchens, bakeries etc. as emergency and safety illumination and for illuminating and identifying escape routes.

Mechanical Design:

....

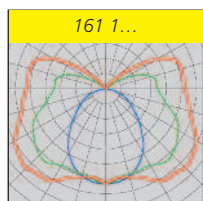
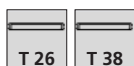
a separate glass fibre reinforced polyester box (BR 10150) which is mounted to a carrier rail together with the light fitting as one unit.

Connection: 5-pole terminal for one-sided loop-in/loop-out wiring with 2 plastic cable glands M20 x 1,5

Mounting: Direct ceiling mount or rope/chain mount with eye bolts or hooks.

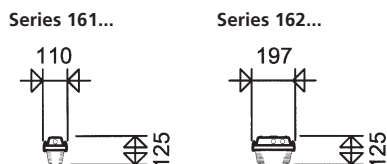
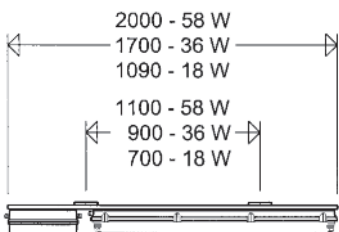
Admissible Ambient temperatures: -5°C up to +50 (maintained operation)

Emergency light components installed in



Type	Article no.	Lamps Watts	Flux factor approx. % ²⁾	Weight approx. kg ³⁾
1 h operation time, with conventional ballasts¹⁾				
161 136/18T/1 H50	16116 0001	1 x T 26/36 W	18	6,6
161 158/15T/1 H50	16116 0002	1 x T 26/58 W	15	9,1
162 218/25T/1 H50	16217 0001	2 x T 26/18 W	25	6,7
162 236/18T/1 H50	16217 0002	2 x T 26/36 W	18	9,4
162 258/15T/1 H50	16217 0003	2 x T 26/58 W	15	12,1
3 h operation time, with conventional ballasts¹⁾				
161 136/10T/3 H50	16116 0003	1 x T 26/36 W	10	6,6
161 158/07T/3 H50	16116 0004	1 x T 26/58 W	7	9,1
162 218/12T/3 H50	16217 0004	2 x T 26/18 W	12	6,7
162 236/10T/3 H50	16217 0005	2 x T 26/36 W	10	9,4
162 258/07T/3 H50	16217 0006	2 x T 26/58 W	7	12,1

1) Wiring „uncompensated“ only
 2) Ratio effective lamp flux/nominal flux
 3) Weights without packing material



Emergency Light Fittings



161/162... EVG



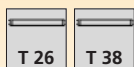
for connection to central power supply unit

Application:

For connection to group or central battery systems or to an emergency mains for illuminating escape routes, ships or vehicles etc.

Electrical design:

Electronic ballasts (230V AC / DC). A double lamp luminaire will be equipped with 2 electronic ballasts, separate lamp circuits and separate connection terminals.



Type	Article no.	Lamps W	Weight ca. kg
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with electronic ballast (EVG)

161 118 EVG ¹⁾	16100 0018	1 x T 26/18 W	1,5
161 136 EVG	16100 0019	1 x T 26/36 W	2,4
161 158 EVG	16100 0020	1 x T 26/58 W	3,0

with 2 individual electronic ballasts (EVG/2)

162 218 EVG/2 ¹⁾	16200 0353	2 x T 26/18 W	2,1
162 236 EVG/2	16200 0354	2 x T 26/36 W	2,5
162 258 EVG/2	16200 0356	2 x T 26/58 W	4,0

1) Weights without packing material

Further series / equipment

Special design for wind power installations on request.



for series 161/162...

with self-contained battery and EVG:

– **.../MA** automatic monitoring the emergency light fitting according to EN 62034, indication of the test results by 2-coloured LED (luminescence diode) at the luminaire.

– **.../BUS** for central monitoring of single fittings

for version 161/162... in case of connection to central power supply unit:

– with separate or integrated monitoring module for connection to group or central power supply unit with system for monitoring each individual luminaire. (For any inquiry please indicate the make of the equipment used.)

– with electronic ballast for voltages: 110V AC/DC, 24V DC

For further equipment please see catalogue section „Dustproof / Waterproof light fittings“ of series 161/162....

for series 161/162... with self-contained battery:

– **.../B** stand-by system = emergency lighting in case of mains failure only (series 162... with 1 lamp = 1621.. only)

– **.../P** button for testing the emergency light function

– 3h emergency operation time

– insulation class II



Type 162 218... with legend .../35

Self adhesive legends



.../33 W

.../34 W

.../35 W

for escape route identification acc. to BGV A8 and DIN 4844-2. Sighting distance acc. to EN 1838 and DIN 4844 = 25m.

Accessories / Spare Parts

Type	Article no.	
Self adhesive legends for series 162 118 and 162 218		
590/125/33 W	59000 0004	Emergency exit to the left
590/125/34 W	59000 0005	Emergency exit to the right
590/125/35 W	59000 0006	Emergency exit below

For further accessories and spare parts please see catalogue section „Dustproof / Waterproof light fittings“ Series 161/162...

When ordering any electronic components or battery sets please do always indicate the type nos. of the light fittings.