

Dustproof/Waterproof Polyester Light Fitting with Diffuser Series 161/162...

Application:

In humid, wet and dusty indoor areas of industrial and agricultural premises, for workshops and car parks, basements, kitchens and civil defence premises, power stations etc.

Aggressive atmospheres: Please consult us.

Design:

High-grade, robust, extremely stable and chemically resistant dust-/waterproof light fitting.

Housing: Glass fibre reinforced polyester resin, foamed polyurethane gasket.

Diffuser: Injected, clear acrylic glass with internal prisms or polycarbonate (PC)

Closure: Three-part captive plastic clips

(KK). (Stainless steel clips (KE) or one-sided stainless steel hinges (SC) are also available at extra charge.)

Reflector: Glass fibre reinforced polyester, can be suspended or removed and carries the electrical components, protected against accidental contact.

Connection: 3-pole terminal.

Cable entries: 2 plugs M20.

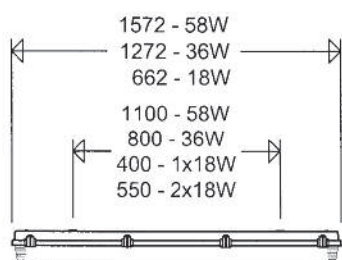
Mounting: Closed knock-outs for direct ceiling mounting (to be opened at site). Rubber sealing washers inside each fitting.

Options:

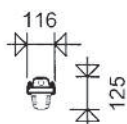
See „Further Series/Equipment“.

Note:

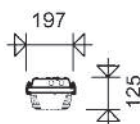
Unlike housings made from polycarbonate our housings made from glass fibre reinforced polyester are durable resistant against UV-radiation and chemical components. Consequently they are all-purpose and enduring safe for long-term use. This is of significant importance especially for industrial applications.



Series 161...

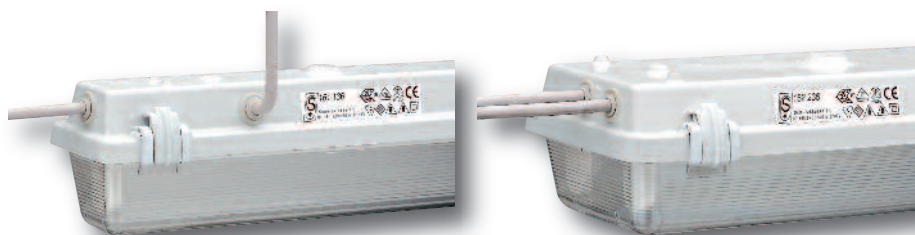
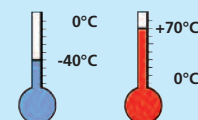
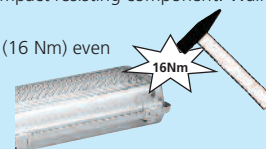


Series 162...



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 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
 - 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
 - shock resistant up to 16g and earth-quake proof (TÜV)
- 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 plastic (standard)
 - Option: Clips made from high-alloy chromium-nickel steel (in case of aggressive ambient conditions), stainless steel hinges at one side if wanted.
 - variable looping facility of the mains cable
- wide range of application and flexibility at most different environmental conditions thanks to quite a variety of equipment:
 - admissible ambient temperature of -40°C up to +70°C (versions T and H)
 - application in locations with increased fire risk (versions EVG and FF), in high installations (version ...S), in civil defence buildings (shock tested up to RK 2.5/25A), in areas subject to vibrations and impacts (shakeproof version), in hazardous areas of zones 2/22 (series n/nD 161/162...); available as emergency light fittings; in special version for outdoor installation (version AUS)
 - with PC cover with a special surface finish for applications in the food industry (version LM) according to the International Food Standard (IFS), as emergency and exit fitting and others.
 - **DB** - standardized by Deutsche Bahn AG
- excellent light distribution and glare limitation thanks to a diffuser with light technically optimized internal prisms



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).

Note:

Especially for the food industry we deliver version LM with a special surface finish of the PC cover which complies with the IFS (International Food Standard), also available for deep temperatures. (Please consult us.)

161/162... T..

for low ambient temperatures down to -40°C



Application:

Deep freezing rooms, cold storage rooms, fish factories and dairy product factories...

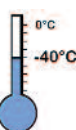
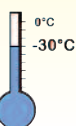
Design: Insulation class I

Light fittings with ECG:

As standard version 161/162... EVG, but:
With heat built-up tube Ø 38mm for luminous flux raising.

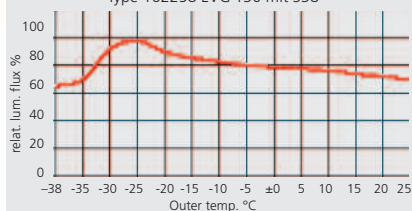
Light fittings with VVG (low-loss ballast):

As standard version 161/162..., but:
With low temperature starter and heat built-up tube Ø 38mm for luminous flux raising.



Luminous flux temperature flow

Type 162258 EVG T30 mit S38



Type	Article no.	Lamps W	Weight ca. kg ¹⁾
for a. t. down to -30°C			
161 118 T30 EVG	16103 0001	1 x T 26/18 W	1,8
161 136 T30 EVG	16103 0002	1 x T 26/36 W	2,8
161 158 T30 EVG	16103 0003	1 x T 26/58 W	3,6
162 218 T30 EVG	16202 0001	2 x T 26/18 W	2,9
162 236 T30 EVG	16202 0002	2 x T 26/36 W	5,0
162 258 T30 EVG	16202 0003	2 x T 26/58 W	6,6

for a. t. down to -40°C

161 118 T40	16103 0031 ¹⁾	1 x T 26/18 W	2,3
161 136 T40	16103 0033 ¹⁾	1 x T 26/36 W	3,8
161 158 T40	16103 0035 ¹⁾	1 x T 26/58 W	4,5
162 218 T40	16202 0031 ¹⁾	2 x T 26/18 W	3,4
162 236 T40	16202 0033 ¹⁾	2 x T 26/36 W	5,7
162 258 T40	16202 0035 ¹⁾	2 x T 26/58 W	8,0

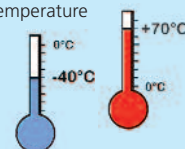
1) Weights without packing material



Further Series / Equipment

- Polycarbonat diffuser (PC) with internal prisms or frosted for glare limitation in case of LED light fittings (F PC)
- high chemically resistant special diffuser (version HCR) for protection against fuel, oils, greases and aggressive solvents
- stainless steel clips (KE) or one-sided stainless steel hinges (SC)
- clip with theft protection device
- "Wieland plug system" e.g. for site illumination
- different cable entries M25 x 1.5 – also in brass
- breather for controlled pressure compensation
- conventional through wiring system up to 5 x 2.5mm²
- 2 entries on one side for mains cable looping instead of the conventional through wiring system
- for vertical wall mounting (with lampholder support)

- rotatable snap-type mirror reflectors
- multi-watt ECG for T5 version
- ECG for application in areas with high frequency of cycles
- for special voltages
- insulation class I
- in halogen-free version
- silicone-free
- shakeproof (RF) for areas subject to vibrations and shocks (e.g. digger walkways, conveyor belts etc.)
- for wide range of ambient temperature from -40°C to +70°C



Vertical wall mounting with lampholder supports