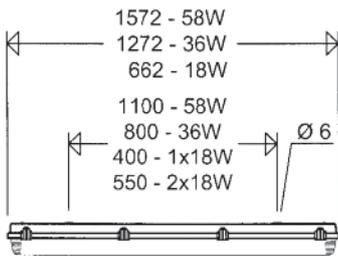


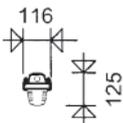


Note:

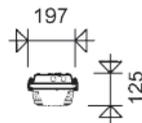
Unlike housings made from polycarbonate our housings made from glass fibre reinforced polyester are durable resistant against UV-radiation and chemical components. Consequently they are all-purpose and enduring safe for long-term use. This is of significant importance especially for industrial applications.



Series 161...



Series 162...



Application:

In humid, wet and dusty indoor areas of industrial premises, for workshops and car parks, basements, 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.

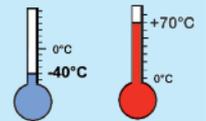
Mounting: Closed knock-outs for direct ceiling mounting (to be opened at site). Sealing and pressure disks inside each fitting.

Options:

See „Further Series/Equipment“.

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 or up to $+70^{\circ}\text{C}$ (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), for LED-Retrofitlamps (version RLED)
 - 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



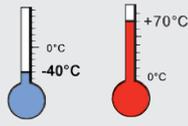
Cable entries for looping the mains cable on one side (loop in/loop out):

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).



Notes:

Special versions for application in broad temperature ranges from -40°C up to +70°C e.g. for installation in climate chambers, containers or in regions where extremely low temperatures are dominating



Light fittings for ambient temperatures up to +80°C please see sheet steel light fittings of series 181/182... H80.



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 high temperatures.

Please consult us.



Series 162 1... H70



161/162... H..

for high ambient temperatures up to +70°C



Application:

Power stations, garbage incineration plants, recycling plants, chemical industries ...

Design:

For a. t. up to +50°C:

Diffuser: Injected, clear acrylic with internal prisms.

Closure: External plastic clips (KK).

For a. t. up to +60°C:

Diffuser: Injected, clear polycarbonate

(PC) with internal prisms.

Closure: External plastic clips (KK).

For a. t. up to +70°C:

Wide housing: For 1 fluorescent tube.

Diffuser: Injected, clear (PC) with internal prisms.

Closure: External stainless steel clips (KE).



Type	Article no.	Lamps W	Weight ca. kg ⁶⁾
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for a. t. up to +40°C / electronic ballast (EVG)

161 118 H40 EVG	16102 0055	1 x T 26/18 W	1,7
161 136 H40 EVG	16102 0056	1 x T 26/36 W	2,8
161 158 H40 EVG	16102 0057	1 x T 26/58 W	3,5
162 218 H40 EVG	16203 0105	2 x T 26/18 W	2,9
162 236 H40 EVG ²⁾	16203 0106	2 x T 26/36 W	4,9
162 258 H40 EVG ²⁾	16203 0107	2 x T 26/58 W	6,5

for a. t. up to +50°C / electronic ballast (EVG)

161 118 H50 EVG	16102 0058	1 x T 26/18 W	2,1
161 136 H50 EVG	16102 0059	1 x T 26/36 W	2,8
161 158 H50 EVG	16102 0060	1 x T 26/58 W	4,2
162 218 H50 EVG	16203 0108	2 x T 26/18 W	2,8
162 236 H50 EVG ²⁾	16203 0109	2 x T 26/36 W	5,0
162 258 H50 EVG ^{2) 4)}	16203 0110	2 x T 26/58 W	6,2

for a. t. up to +50°C / low loss conventional ballast

161 118 H50	16102 0001 ¹⁾	1 x T 26/18 W	2,1
161 136 H50	16102 0004 ¹⁾	1 x T 26/36 W	3,4
161 158 H50	16102 0007 ¹⁾	1 x T 26/58 W	4,1
162 218 H50	16203 0001 ¹⁾	2 x T 26/18 W	2,8
162 236 H50 ²⁾	16203 0004 ¹⁾	2 x T 26/36 W	4,9
162 258 H50 ²⁾	16203 0007 ¹⁾	2 x T 26/58 W	7,1

for a. t. up to +60°C / low loss conventional ballast

161 118 H60	16102 0010 ¹⁾	1 x T 26/18 W	2,1
161 136 H60	16102 0013 ¹⁾	1 x T 26/36 W	3,4
161 158 H60	16102 0016 ¹⁾	1 x T 26/58 W	4,1
162 218 H60	16203 0010 ¹⁾	2 x T 26/18 W	2,8
162 236 H60 ²⁾	16203 0013 ¹⁾	2 x T 26/36 W	4,9
162 258 H60 ²⁾	16203 0016 ¹⁾	2 x T 26/58 W	7,1

for a. t. up to +70°C / low loss conventional ballast

162 118 H70 ³⁾	16203 0035	1 x T 26/18 W	2,6
162 136 H70 ^{2) 3)}	16203 0036	1 x T 26/36 W	4,5
162 158 H70 ^{2) 3)}	16203 0037	1 x T 26/58 W	5,9

1) Uncomp.; article no. for comp. see price list

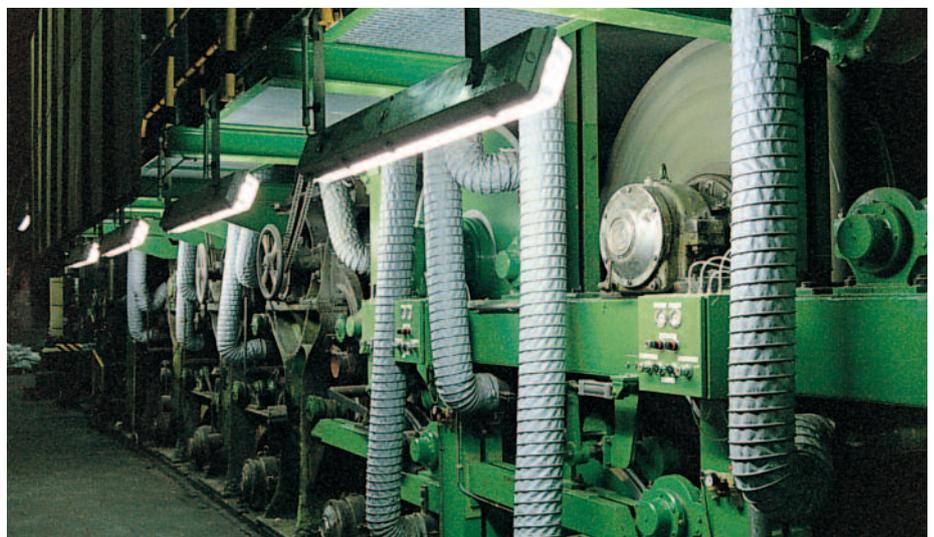
4)

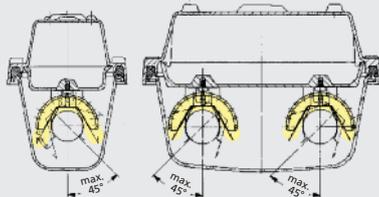
2) Also available with mirror type reflector

5)

3) Uncompensated version only

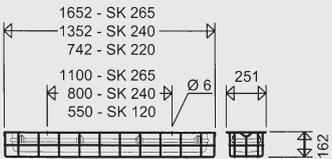
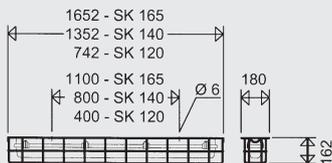
6) Weights without packing material





DB - standardized by Deutsche Bahn AG

Wire guards



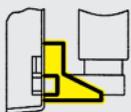
Pipe clamp R1 1/2" - Ø 48,3mm
R 2" - Ø 60,3mm



Ceiling bracket



Lamp holder support 190 FS



Note:

Further accessories as well as carrier rail systems and through-wiring system are available.

Accessories / Spare Parts

Type	Article no.	Type	Article no.
Spare acrylic glass covers (PMMA)		Spare polycarbonate glass covers (PC)	
161 018	16111 9000	161 018 PC	16111 9003
161 036	16111 9001	161 036 PC	16111 9004
161 058	16111 9002	161 058 PC	16111 9005
162 018	16211 9000	162 018 PC	16211 9003
162 036	16211 9001	162 036 PC	16211 9004
162 058	16211 9002	162 058 PC	16211 9005
Spare covers LM			
161 018 LM	16111 9017	162 018 LM	16211 9017
161 036 LM	16111 9018	162 036 LM	16211 9018
161 058 LM	16111 9019	162 058 LM	16211 9019
Spare polycarbonate glass covers PC SC			
161 018 PC SC	16111 9012	162 018 PC SC	16211 9014
161 036 PC SC	16111 9013	162 036 PC SC	16211 9015
161 058 PC SC	16111 9014	162 058 PC SC	16211 9016
Spare polycarbonate glass covers PC 25C			
161 018 PC 25C	16111 9020	162 018 PC 25C	16211 9020
161 036 PC 25C	16111 9021	162 036 PC 25C	16211 9021
161 058 PC 25C	16111 9022	162 058 PC 25C	16211 9022
Rotatable snap-on mirror reflectors			
High anodized mirror-type reflectors clamped onto the 26mmØ fluorescent tubes, with snap-on device, allowing a reflector setting in steps of 15°. Suitable for the following light fittings:			
161/21	16112 0001	162/22	16212 0001
161/41	16112 0002	162/42	16212 0002
161/61	16112 0003	162/62	16212 0003
Wire guards, powder coated			
SK 120	90004 0001	SK 220	90004 0004
SK 140	90004 0002	SK 240	90004 0005
SK 165	90004 0003	SK 265	90004 0006
Clips			
KK VE10	90053 9002	plastic clips (packing unit 10)	
KE VE10	90055 9003	stainless steel clips (packing unit 10)	
Cable entries			
2511	90063 9000	grommets, Pg13,5/M20	
2561	25610 9000	plastic cable gland M20 x 1,5	
2560	25600 9000	plastic cable gland M25 x 1,5	
KLIMASTUTZEN FR	90259 9001	breathing gland M25 x 1.5	
Lamp holders			
190/1	90056 9000	lamp holder (for fittings manufactured until 2004)	
161/1	90056 9003	lamp holder	
161/1 T130	90056 9004	lamp holder for a. t. of +50°C	
161/1 T140	90056 9006	lamp holder for a. t. of +60°C	
183/1	90057 9000	starter holder	
190 FS	90056 9002	lamp holder support	
161 T5	90056 9008	lamp holder for all fluotubes	
Mirror-type alu reflectors for subsquent installation into our standard light fittings			
S 162/2 36	90238 9001	for 162 236/228/254	
S 162/2 58	90238 9002	for 162 258/235/249/280	
Pipe clamps			
183 RO 112 A P	90093 0002	2 pcs., 1 1/2" stainless steel, with support	
183 RO 2 A P	90094 0002	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 for series 161/162..., 163/164... and 175/176...			
HW 30° P	90045 9001	pair of angle brackets 30°	
HW 45° P	90045 9002	pair of angle brackets 45°	
HW 60° P	90045 9004	pair of angle brackets 60°	
HW 90° P	90045 9003	pair of angle brackets 90°	
Accessories for ceiling mounting			
183 S	90049 0002	hook for chain suspension	
183 DS	90095 0001	stainless steel bracket with bolt M5	