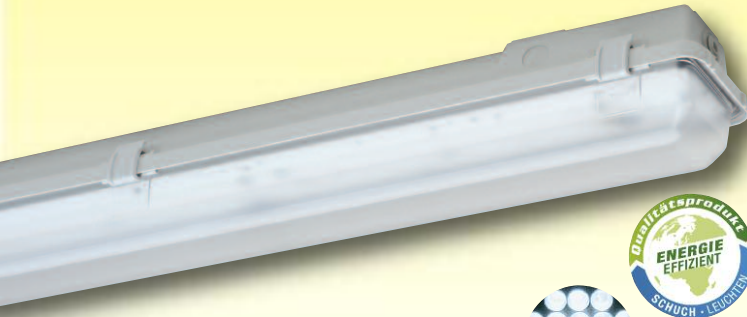


**NEW**

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



### Application:

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, badly accessible areas with high downtime and maintenance costs when replacing the lamps.

Aggressive atmospheres: Please consult us.

### Design:

**Housing:** Glass fibre reinforced polyester resin, silicone gasket.

**Diffuser:** PMMA, modified for higher im-

pact resistance, frosted for glare limitation.

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

**Reflector:** Painted, removable complete with electronic components.

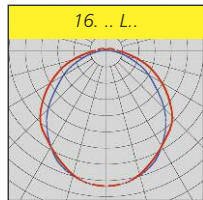
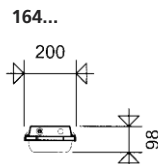
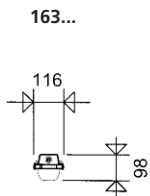
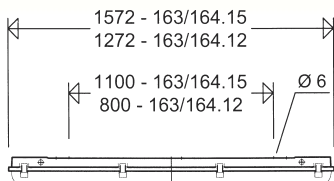
**Electrical connection:** 3-pole terminal block.

**Cable entries:** Variable, closed knock-outs on the short and long sides, and on the top, 2 blanking plugs M20.

**Mounting system:** 2 holes for ceiling mounting. Sealing and pressure disks for sealing are supplied inside the fitting.

## 163/164 ... LED

with line modules



### Technical data:

**ECG:** 230V AC/DC, overload and shortcircuit protection

**LED:** line modules 4,000K,  $R_a > 80$ , life time  $L_{70B_{10}} > 50,000$ h at max. ambient temperature

**Ambient temperature:** 163... -25°C up to +35°C

164... -25°C up to +30°C

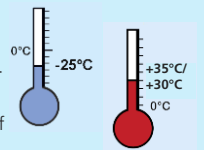
### Options:

– dimmable, different versions

– for connection to central power supply unit (ZB)

### Advantages of the LED version:

- highest efficiency with luminous efficacy up to 143lm/W
- homogeneous illumination by using frosted diffusers comfortable perception of light and brilliant glare limitation
- high colour reproduction  $R_a > 80$ , according to the guide lines for workplaces suitable for nearly all plant locations
- with "D"-symbol, suitable for rooms with increased fire risk due to deposits of combustible dust and fibrous materials
- version with higher luminous flux for areas where higher illumination is needed
- low maintenance and downtime costs due to long maintenance intervals
- ECG and reflector with LED-modules may be replaced by qualified personnel on site
- future proof by using standardized LED-modules



Article no.	Type	Powerconsumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Energieclass	Substitute for	Weight [kg] (without packing material)
<b>optimized for energy consumption (1 : 1 substitute fo fluorescent types)</b>							
16302 0306	163 12L22	21	2.970	141	A++	1 x 36W	2,2
16302 0307	163 15L34	26	3.730	143	A++	1 x 58W	2,5
16302 0308	163 12L42	32	4.290	134	A++	2 x 36W	2,2
16302 0309	163 15L60	44	5.860	133	A++	2 x 58W	2,5
<b>with high luminous flux</b>							
16415 0306	164 12L90	70	9.200	131	A++	2 x 80W	3,5
16415 0307	164 15L120	87	11.570	133	A++	4 x 58W	4,0

### Notes:

**Limitations for LED-light fittings:** See chapter „Use of LED lighting in corrosive atmospheres“ in the Technical Appendix.

All technical data is relevant at the time of print. Actual technical data can be found in the internet under [www.schuch.de](http://www.schuch.de).

## Accessories / Spare Parts

Type	Article no.
<b>Spare glass PMMA frosted</b>	
163036 F	16311 9006 for 163 12L...
163058 F	16311 9007 for 163 15L...
164036 F	16411 9006 for 164 12L...
164058 F	16411 9007 for 164 15L...