

# ***ExeLed 1***

***LED light fitting for zone 1 and 21  
hazardous areas***



- With innovative LED molding
- Highly efficient with luminous efficiency up to 142 lm/W
- Usable from -30°C to +55°C / +70°C depending on design

***SCHUCH – with passion for excellent lighting.***



## Latest LED technology For gas and dust Ex-areas



Zone 1 and 21 areas at risk of gas and dust explosion are among the most critical and hazardous areas in trade and industry. Use of the LED technology presents big new challenges to development engineers in the design of explosion-proof lighting. The advantages of the LED should take full effect and at the most attractive price possible, in consideration of the high safety requirements for explosion-proof lights for use in zones 1 and 21.

With innovative LED molding and the sandwich design, SCHUCH has resolved this perfectly in the ExeLed 1 (series e865...).

### Explosion-proof LED light fittings ExeLed 1 (series e865...)

#### Their advantages are convincing:

- Highly efficient with luminous efficiency up to 142 lm/W.

up to  
142 lm/W

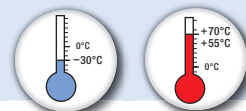
- Extremely powerful with luminous flux up to 9,260 lm.

up to  
9.260 lm

- High colour rendering with Ra typically 80.  
Usable on almost all production sites in accordance with the workplace directive.

Ra typ. 80

- Usable in a broad temperature range from  
-30°C to +55°C / +70°C depending on design.



- Also approved for gases such as hydrogen and acetylene  
(explosion group II C).

II C

- Available with DALI-interface for dimming (optional).

DALI

- Reliable compliance with the explosion protection regulations through Innovative LED molding..
- Secure protection of the LED circuit board from mechanical and electrostatic damage through the sandwich design of diffuser and reflector.
- With satined diffuser for outstanding glare-limiting and comfortable light perception (no individual light points visible) or with clear diffuser for higher luminous flux.
- Extremely easy to install due to external fixing system for variable mounting.



**SCHUCH –**

*Quality and innovation since 1895. Ask us!*