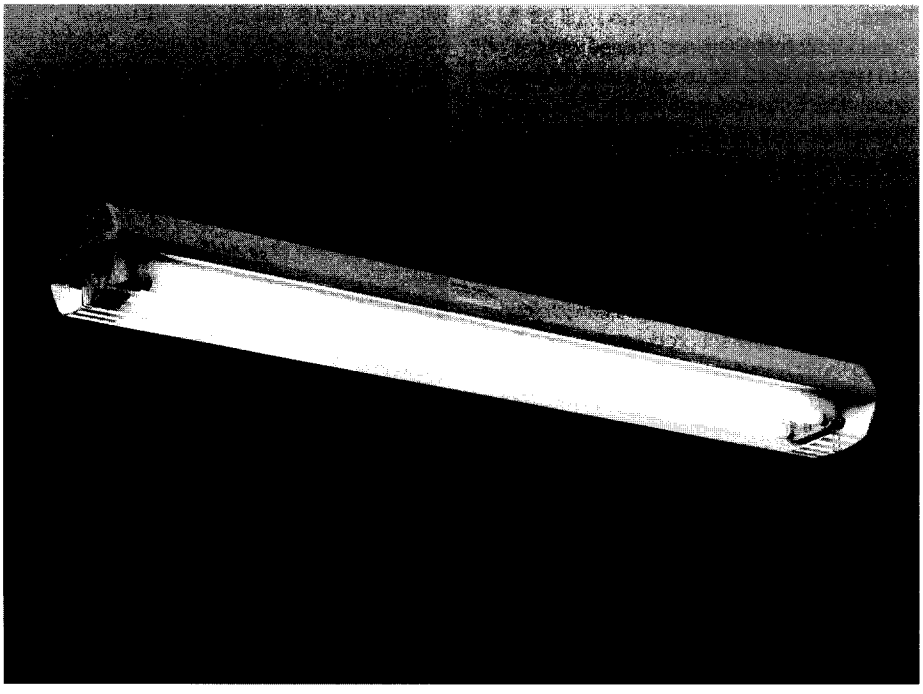
eLLK 92 Explosion Protected Light Fittings for G 13 Bi-Pin Fluorescent Lamps with Electronic Ballast



- **Low energy consumption due to the electronic ballast**
- **Mechanical locking system – built on a "strong box principle" operating on both longitudinal sides**
- **Single-ended through-wiring with 6 terminals up to 6 mm²**
- **Safety locking system due to an integrated forced isolating switch**
- **IP 66 due to a labyrinth sealing system**
- **Smooth surface, simple cleaning**
- **Optional connection to CEAG emergency light monitoring systems**

Description

The eLLK 92 ex-protected light fittings for bi-pin fluorescent lamps are fitted with an electronic ballast and conform to the requirements of EN 50014 through 50020, 50028 and 60598.

A series fitted single end through-wiring offers with the easy access to the terminals a cost-saving installation. Modern economically ballasts in combination with bi-pin fluorescent lamps contribute to 30% higher light output compared with a conventional Fa6 fluorescent lamp. The high range of input voltage supply allows for international use.

- Double-sided lock with 10, 20 or 24 latch points
- Protective bowl hingeable on both sides
- Automatic switch built as a safety disconnector according to EN 60947 (IEC 664)
- Automatic switch ensuring the disconnection of all exposed components when the fitting is opened
- Electronic ballast for a high luminous efficiency, less energy consumption and a longer service life of the illuminants
- In case of failure of a fluorescent lamp the second one will remain in operation independently
- Large terminal compartment: Simple opening by means of a turning knob
- EEx e cable entries M25 with a novel type EEx e blanking plug
- The optional Ex 2L CG module represents an optimum solution for the individual monitoring of the luminaire connected to CEAG ZB 96 central battery systems or GVL 24.1 group supply systems. In emergency operation, one lamp will automatically be switched off, thus saving valuable battery capacity. The luminaires' addressing can easily be adapted later on in the terminal compartment.

Ex-Protected Light Fittings
eLLK 92018/18

eLLK 92018/18 (2 x 18 W)

Technical data

eLLK 92018/18

Type of protection	Ex eds IIC T4 for zone 1, zone 2 and zone 11 acc. to VDE 0165
EC-Type Examination Certificate	PTB 96 ATEX 2144
Category	II 2 G
Enclosure material	Glass-mat reinforced polyester
Protective bowl	Polycarbonate
Rated voltage	AC: 110 - 254 V ±10 %, 47-63 Hz DC: 110 - 230 V ±10 %
Protection category	IP 66 acc. to EN 60529 (corresp. to IEC 529)
Insulation class	I
Permissible ambient temperature	-25°C to +50°C
Cable entries	2 EEx e cable glands M25 x 1.5 for cables Ø 8-17 mm 1 EEx e blind plug
Terminals	L1, L2, L3, L, N, PE; max. 2 x 6 mm² solid conductor per terminal
Illuminants	Bi-pin lamp: 18 W (G13-81-IEC-1105-1)
Weight	approx. 4.6 kg

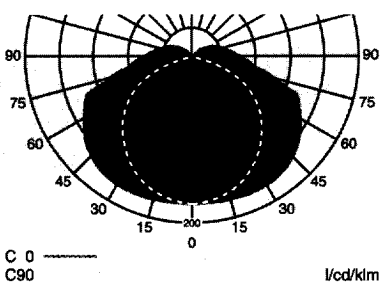
Ordering details

Type	Lamps	Circuitry	Rated current	Cos φ	Order No.
eLLK 92018/18					
1/6-1	**2 x 18 W**	**EVG**	**0.18 A**	**≥ 0.95**	**1 2265 875 101**
2/6-2	**2 x 18 W**	**EVG**	**0.18 A**	**≥ 0.95**	**1 2265 875 103**
1/6-1 M	**2 x 18 W**	**EVG**	**0.18 A**	**≥ 0.95**	**1 2265 875 109**
2/6-2 M	**2 x 18 W**	**EVG**	**0.18 A**	**≥ 0.95**	**1 2265 875 111**
eLLK 92018/18 Ex 2LCG					
2/6-2	**2 x 18 W**	**EVG/Ex 2LCG**	**0.19 A**	**≥ 0.95**	**1 2265 875 203**[1]

- 1/6-1 **Single-ended through-wiring**
  1 x M25 x 1.5 plastic cable gland with stopping plug
  1 x M25 x 1.5 plastic cable gland with dust screen
- 2/6-2 **Double-sided through-wiring**
  2 x M25 x 1.5 plastic cable glands with dust screen
  2 x M25 x 1.5 Ex-blind plugs
- 1/6-1 M **Single-ended through-wiring**
  1 x M20 x 1.5 threaded entries, with dust cap metal
  1 x M20 x 1.5 Ex-blind plug
- 2/6-2 M **Double-sided through-wiring**
  2 x M20 x 1.5 threaded entries, with dust cap metal
  2 x M20 x 1.5 Ex-blind plug
- Ex 2LCG Suitable for connection to CEAG emergency light monitoring systems

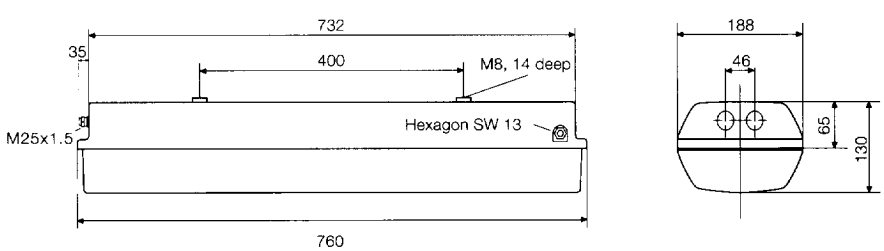
[1] available approx. 3. quarter 1998.

Polar curve
2 lamps



Rated luminous flux of lamps:
2 x 18 W = 2700 lm
Light efficiency in operation:
2 x 18 W = 78 %

Dimensions in mm



Ex-Protected Light Fittings
eLLK 92036
eLLK 92036/36

eLLK 92036 (1 x 36 W)
eLLK 92036/36 (2 x 36 W)

Technical data

eLLK 92036, eLLK 92036/36

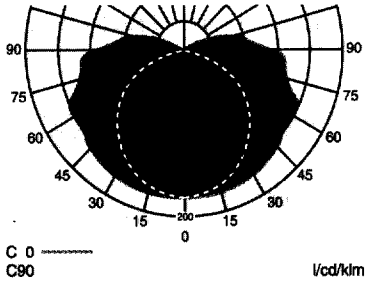
Type of protection	Ex eds IIC T4 for zone 1, zone 2 and zone 11 acc. to VDE 0165
EC-Type Examination Certificate	PTB 96 ATEX 2144
Category	II 2 G
Enclosure material	Glass-mat reinforced polyester
Protective bowl	Polycarbonate
Rated voltage	AC: 110 - 254 V ±10 %, 47-63 Hz DC: 110 - 230 V ±10 %
Protection category	IP 66 acc. to EN 60529 (corresp. to IEC 529)
Insulation class	I
Permissible ambient temperature	-25°C to +50°C
Cable entries	2 EEx e cable glands M25 x 1.5 for cables Ø 8-17 mm 1 EEx e blind plug
Terminals	L1, L2, L3, L, N, PE; max. 2 x 6 mm² solid conductor per terminal
Illuminants	Bi-pin lamp: 36 W (G13-81-IEC-1305-2)
Weight	approx. 6.7 kg

Ordering details

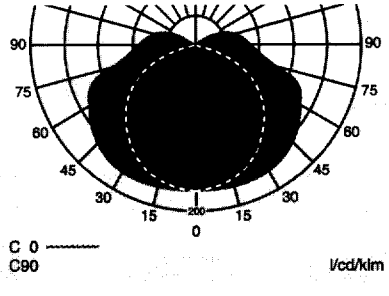
Type	Lamps	Circuitry	Rated current	Cos φ	Order No.
eLLK 92036					
1/6-1	**1 x 36 W**	**EVG**	**0.18 A**	**≥ 0.95**	**1 2263 875 101**
2/6-2	**1 x 36 W**	**EVG**	**0.18 A**	**≥ 0.95**	**1 2263 875 103**
eLLK 92036/36					
1/6-1	**2 x 36 W**	**EVG**	**0.34 A**	**≥ 0.95**	**1 2266 875 101**
2/6-2	**2 x 36 W**	**EVG**	**0.34 A**	**≥ 0.95**	**1 2266 875 103**
1/6-1 M	**2 x 36 W**	**EVG**	**0.34 A**	**≥ 0.95**	**1 2266 875 109**
2/6-2 M	**2 x 36 W**	**EVG**	**0.34 A**	**≥ 0.95**	**1 2266 875 111**
eLLK 92036/36 Ex 2LCG					
2/6-2	**2 x 36 W**	**EVG/Ex 2LCG**	**0.35 A**	**≥ 0.95**	**1 2266 875 203**

- 1/6-1 — **Single-ended through-wiring**
  1 x M25 x 1.5 plastic cable gland with stopping plug
  1 x M25 x 1.5 plastic cable gland with dust screen
- 2/6-2 — **Double-sided through-wiring**
  2 x M25 x 1.5 plastic cable glands with dust screen
  2 x M25 x 1.5 Ex-blind plugs
- 1/6-1 M — **Single-ended through-wiring**
  1 x M20 x 1.5 threaded entries with dust cup, metal
  1 x M20 x 1.5 Ex-blind plug
- 2/6-2 M — **Double-sided through-wiring**
  2 x M20 x 1.5 threaded entries with dust cup, metal
  2 x M20 x 1.5 Ex-blind plug
- Ex 2LCG — Suitable for connection to CEAG emergency light monitoring systems

Polar curve
1 lamp



2 lamps



Rated luminous flux of lamps:
1 x 36 W = 3350 lm
2 x 36 W = 6700 lm
Light efficiency in operation:
1 x 36 W = 86 %
2 x 36 W = 78 %

Dimensions in mm