

Fully Monitored Explosion Protected Fluorescent Light Fitting

eLLK 92018/18 CG-S

eLLK 92036/36 CG-S

eLLK 92058/58 CG-S

Technical data

eLLK 92018/18, eLLK 92036/36, eLLK 92058/58 mit CG-S

| | |
|---------------------------------|--|
| Marking to 94/9/EC | Ex II 2 G / Ex II 2 D T80 °C |
| Type of protection | EEx edm ib IIC T4 |
| EC-Type Examination Certificate | PTB 96 ATEX 2144 |
| Enclosure material | Glass-fibre reinforced polyester |
| Protective bowl | Polycarbonate |
| Rated voltage | AC: 220-254 V ± 10 %, 47-63 Hz DC: 196-250 V ± 10 % |
| Circuit | EVG + CG-S |
| Rated current | 0.19 A (eLLK 92018/18) 0.35 A (eLLK 92036/36) 0.54 A (eLLK 92058/58) |
| Power factor cos φ | B 0.95 |
| Degree of protection EN 60529 | IP 66 |
| Protection class | I |
| Permissible ambient temperature | - 20 °C to + 50 °C (eLLK 92018/18 and eLLK 92036/36) - 20 °C to + 40 °C (eLLK 92058/58) |
| Cable entries | EEx e-cable entries M25 x 1.5 (plastic) for cables from Ø 8 - 17 mm |
| Connecting terminals | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² single wire per terminal |
| Lamps | Bi-pin lamp: 18 W, 36 W, 58 W socket G13, see accessories |
| Weight | approx. 5.0 kg (eLLK 92018/18) approx. 8.0 kg (eLLK 92036/36) approx. 9.3 kg (eLLK 92058/58) |



eLLK 92018/18 (2 x 18 W) CG-S



eLLK 92036/36 (2 x 36 W) CG-S



eLLK 92058/58 (2 x 58 W) CG-S

Ordering details

| Type | Lamps | Circuitry | Rated current AC | Rated- ¹⁾ current DC | Cos φ | Order No. |
|-----------------------------|----------|-----------|------------------|---------------------------------|-------|----------------|
| eLLK 92018/18 CG-S 2/6-2 | 2 x 18 W | EVG/CG-S | 0.19 A | 0.1 A | 0.95 | 1 2265 881 103 |
| eLLK 92036/36 CG-S 2/6-2 | 2 x 36 W | EVG/CG-S | 0.35 A | 0.17 A | 0.95 | 1 2266 881 103 |
| eLLK 92058/58 CG-S 2/6-2 | 2 x 58 W | EVG/CG-S | 0.54 A | 0.27 A | 0.95 | 1 2267 881 103 |

2/6-2 Double-sided loop wiring

2 cable entries M25 x 1.5 with dust screen
2 Ex-blind plugs M25 x 1.5

¹⁾ Only 1 lamp active during battery operation

Delivery without lamp and fastening

Permissible No. of luminaires each output circuit

Connection with

| | eLLK 92018/18 CG-S 2/6-2 | eLLK 92036/36 CG-S 2/6-2 | eLLK 92058/58 CG-S 2/6-2 |
|-----------------------|-----------------------------|-----------------------------|-----------------------------|
| SKU 4x1A/4x1A CG | 5 | 3 | 2 |
| SKU 2x3A, 2x3A CG | 12 | 9 | 6 |
| SKU 2x3A CG-S | 16 | 9 | 6 |
| SKU 1x6A.1, 1x6A.1 CG | 18 | 17 | 11 |
| SKU 1x6A.1 CG-S | 20 | 17 | 11 |

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Lighting engineering

Engineering help for eLLK 92018/18 CG-S for E = 1.25 lx (0.625 lx)

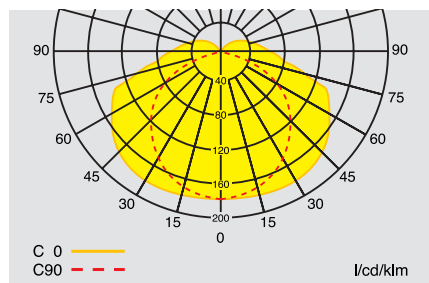
| Mounting height (m) | Types of mounting | Mounting distances (m) | | | |
|---------------------|---------------------|------------------------|-------------|------------|-------------|
| | | L1 | L2 | L3 | L4 |
| 4.0 | Ceiling mounting | 5.7 (7.0) | 14.0 (16.8) | 7.3 (9.6) | 19.0 (23.8) |
| 5.0 | Escape route centre | 6.1 (7.7) | 15.4 (18.6) | 7.7 (10.2) | 20.2 (26.0) |
| 6.0 | | 6.4 (8.2) | 16.4 (20.2) | 8.0 (10.5) | 21.0 (27.6) |
| 7.0 | | 6.5 (8.6) | 17.2 (21.6) | 8.1 (10.9) | 21.6 (28.6) |
| 8.0 | | 6.4 (8.9) | 17.8 (22.8) | 8.0 (11.2) | 22.2 (29.2) |
| 10.0 | | 5.9 (9.2) | 18.2 (24.4) | 7.2 (11.4) | 22.4 (30.8) |
| 2.0 | Wall mounting | 3.9 (4.7) | 9.4 (11.0) | 5.0 (6.5) | 13.0 (16.4) |
| 2.5 | | 4.2 (5.1) | 10.0 (12.0) | 5.2 (6.9) | 13.6 (17.6) |
| 3.0 | | 4.4 (5.4) | 10.8 (12.8) | 5.4 (7.2) | 14.2 (18.4) |
| 4.0 | Ceiling mounting | 5.4 (5.4) | 13.4 (16.6) | 5.5 (8.5) | 17.6 (21.6) |
| 5.0 | Area illumination | 4.4 (5.4) | 14.4 (18.2) | 7.5 (9.5) | 19.2 (23.8) |
| 6.0 | | 5.4 (7.4) | 15.6 (19.4) | 6.5 (7.5) | 19.6 (25.8) |
| 7.0 | | 5.4 (6.4) | 16.4 (21.0) | 6.5 (9.5) | 20.4 (26.4) |
| 8.0 | | 4.4 (7.4) | 17.4 (21.8) | 7.5 (8.5) | 20.8 (27.4) |
| 10.0 | | 4.5 (7.4) | 18.2 (24.0) | 5.4 (8.5) | 22.0 (28.2) |

Engineering help for eLLK 92036/36 CG-S for E = 1.25 lx (0.625 lx)

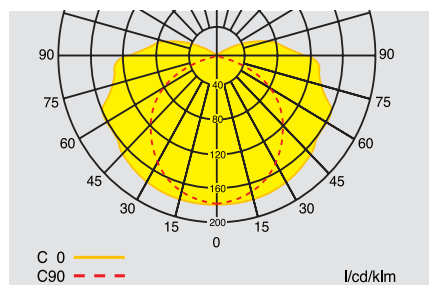
| Mounting height (m) | Types of mounting | Mounting distances (m) | | | |
|---------------------|---------------------|------------------------|-------------|-------------|-------------|
| | | L1 | L2 | L3 | L4 |
| 5.0 | Ceiling mounting | 8.4 (10.1) | 20.2 (24.0) | 11.3 (14.1) | 28.0 (34.4) |
| 6.0 | Escape route centre | 9.0 (11.0) | 22.0 (26.4) | 11.8 (15.1) | 30.0 (37.2) |
| 7.0 | | 9.5 (11.8) | 23.6 (28.6) | 12.1 (15.9) | 31.6 (39.6) |
| 8.0 | | 9.9 (12.5) | 24.8 (30.4) | 12.5 (16.5) | 32.6 (41.6) |
| 10.0 | | 10.3 (13.5) | 27.0 (33.6) | 12.9 (17.2) | 34.2 (45.0) |
| 12.0 | | 10.4 (14.2) | 28.4 (36.0) | 12.9 (17.9) | 35.4 (46.8) |
| 2.0 | Wall mounting | 5.1 (6.1) | 12.2 (14.4) | 7.0 (8.9) | 17.8 (22.2) |
| 2.5 | | 5.5 (6.6) | 13.2 (15.6) | 7.5 (9.5) | 18.8 (23.8) |
| 3.0 | | 5.8 (7.0) | 14.0 (16.8) | 7.8 (10.0) | 19.8 (25.0) |
| 5.0 | Ceiling mounting | 7.4 (8.4) | 19.8 (24.6) | 8.5 (11.5) | 25.2 (30.2) |
| 6.0 | Area illumination | 7.4 (9.4) | 20.8 (26.2) | 9.5 (11.5) | 28.0 (33.4) |
| 7.0 | | 8.4 (9.4) | 22.6 (28.4) | 8.5 (12.5) | 29.2 (35.2) |
| 8.0 | | 7.4 (9.4) | 23.6 (29.6) | 10.5 (13.5) | 30.6 (37.8) |
| 10.0 | | 8.4 (10.4) | 25.6 (31.8) | 9.5 (13.5) | 31.8 (42.0) |
| 12.0 | | 8.4 (10.0) | 27.2 (33.8) | 9.5 (14.5) | 33.4 (44.0) |

Engineering help for eLLK 92058/58 CG-S for E = 1.25 lx (0.625 lx)

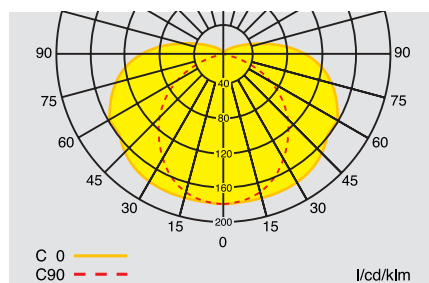
| Mounting height (m) | Types of mounting | Mounting distances (m) | | | |
|---------------------|---------------------|------------------------|-------------|-------------|-------------|
| | | L1 | L2 | L3 | L4 |
| 5.0 | Ceiling mounting | 9.5 (11.4) | 22.8 (26.8) | 13.1 (16.1) | 32.0 (39.2) |
| 6.0 | Escape route centre | 10.3 (12.5) | 24.8 (29.6) | 14.0 (17.4) | 34.6 (42.4) |
| 7.0 | | 11.0 (13.4) | 26.8 (32.2) | 14.6 (18.5) | 36.8 (45.4) |
| 8.0 | | 11.6 (14.3) | 28.4 (34.4) | 14.9 (19.4) | 38.6 (48.0) |
| 10.0 | | 12.4 (15.6) | 31.2 (38.2) | 15.7 (20.6) | 41.0 (52.4) |
| 12.0 | | 12.9 (16.7) | 33.4 (41.4) | 16.1 (21.4) | 42.4 (55.8) |
| 14.0 | | 13.1 (17.5) | 35.0 (44.0) | 16.2 (22.1) | 44.0 (57.8) |
| 2.0 | Wall mounting | 5.7 (6.8) | 13.6 (16.0) | 8.2 (10.4) | 20.6 (25.8) |
| 2.5 | | 6.2 (7.4) | 14.6 (17.6) | 8.8 (11.1) | 22.0 (27.6) |
| 3.0 | | 6.6 (7.9) | 15.8 (19.0) | 9.2 (11.7) | 23.2 (29.2) |
| 5.0 | Ceiling mounting | 8.4 (9.4) | 22.4 (26.8) | 9.5 (13.5) | 29.0 (35.8) |
| 6.0 | Area illumination | 9.4 (11.4) | 24.6 (29.8) | 9.5 (12.5) | 31.0 (38.0) |
| 7.0 | | 9.4 (10.4) | 25.4 (32.2) | 10.5 (15.5) | 34.2 (40.4) |
| 8.0 | | 9.4 (10.4) | 27.4 (34.0) | 11.5 (16.5) | 35.4 (43.0) |
| 10.0 | | 9.4 (12.4) | 29.8 (37.4) | 12.5 (15.5) | 38.2 (47.2) |
| 12.0 | | 10.4 (14.4) | 31.6 (39.2) | 11.5 (14.5) | 39.6 (52.2) |
| 14.0 | | 10.4 (14.4) | 33.2 (41.6) | 11.5 (15.5) | 41.4 (54.6) |



Polar curve eLLK 92018/18 CG-S



Polar curve eLLK 92036/36 CG-S



Polar curve eLLK 92058/58 CG-S