

# i-P65 CG-S

Safety and Exit Sign Luminaires with High Ingress Protection



## i-P65 CG-S

- LED safety luminaire with high protection class (IP65) for indoor and outdoor use
- Robust construction made of polycarbonate with numerous knock-outs for cable entries
- High spacing by special optics technology and highly efficient HighPower LEDs
- Low operating cost due to low power consumption
- Minimum service requirement due to high service life of the LEDs (up to 50,000 hours)
- Shortened inspection effort due to CEWA GUARD technology
- Automatic function monitoring of up to 20 luminaires per circuit
- Reduced installation expenditures by STAR technology
- Freely programmable mixed operation of the switching modes per luminaire in one circuit

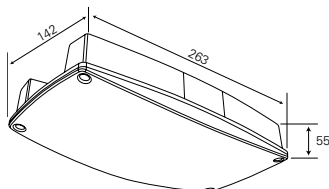
5 i-P65 E CG-S



i-P65 O CG-S



Dimensions in mm



|  |  |
|--|--|
| Luminous flux  | 225 lm                                     |
| Luminous flux $\Phi_E/\Phi_N$ at the end of rated operating time     | 100 %                                      |
| Housing material   | Polycarbonate                              |
| Housing colour   | Light grey                                 |
| Weight   | 0.54 kg                                    |
| Type of mounting   | Ceiling mounting                           |
| Connection terminals   | 3 x 2.5 mm <sup>2</sup>                    |
| Connection voltage   | 220 – 240 V AC, 50/60 Hz<br>176 – 275 V DC |
| Current consumption - battery operation (220 V)                      | 16 mA                                      |
| Power consumption mains operation (apparent power / effective power) | 7.0 VA / 3.6 W                             |
| Inrush current   | 1.5 A                                      |
| Permissible ambient temperature                                      | -15 °C to +40 °C                           |
| Light source   | HighPower LEDs 2 x 1.0 W                   |

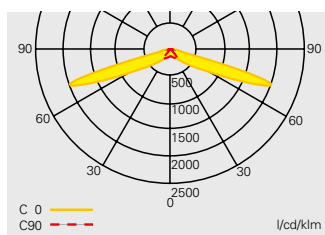
## Ordering details

| Type                          | Scope of supply  | Order No.     |
|-------------------------------|--|---------------|
| Safety luminaire i-P65 E CG-S | With asymmetric optics for exit route illumination, incl. LED supply and CG-S technology (20 addresses)            | IP65LEDE230CG |
| Safety luminaire i-P65 O CG-S | With symmetric optics for anti-panic / open area illumination, incl. LED supply and CG-S technology (20 addresses) | IP65LEDO230CG |

M20 gland is not included in delivery.

**Planning help for i-P65 E CG-S – Asymmetric optics for E = 1.0 lx (0.5 lx)**

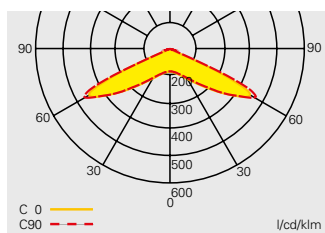
Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

i-P65 E CG-S  
with asymmetric optics

| Mounting height [m] | Types of mounting | L1          | L2          | L3        | L4        |
|---------------------|-------------------|-------------|-------------|-----------|-----------|
| 2.5                 | Ceiling mounting  | 8.2 ( 8.9)  | 17.7 (18.7) | 2.3 (2.4) | 4.8 (5.1) |
| 3.0                 | Exit route centre | 9.3 (10.3)  | 20.5 (21.8) | 2.6 (2.8) | 5.6 (5.9) |
| 3.5                 |                   | 10.2 (11.6) | 23.1 (24.9) | 3.0 (3.2) | 6.4 (6.7) |
| 4.0                 |                   | 10.3 (12.7) | 25.4 (27.7) | 3.2 (3.5) | 7.1 (7.5) |
| 4.5                 |                   | 7.1 (13.7)  | 27.3 (30.4) | 3.2 (3.9) | 7.8 (8.3) |
| 2.5                 | Ceiling mounting  | 4.0 ( 8.5)  | 16.6 (17.7) | 1.7 (1.9) | 4.1 (4.5) |
| 3.0                 | Room illumination | 8.3 ( 9.6)  | 19.1 (20.7) | 1.8 (2.0) | 4.6 (5.1) |
| 3.5                 |                   | 8.8 (10.5)  | 21.5 (23.4) | 1.8 (2.2) | 5.0 (5.7) |
| 4.0                 |                   | 5.9 ( 5.9)  | 23.4 (25.8) | 1.6 (2.4) | 5.4 (6.3) |
| 4.5                 |                   | 6.3 ( 6.5)  | 23.7 (28.2) | 1.4 (2.5) | 5.6 (6.8) |
| 5.0                 |                   | 0.5 (12.1)  | 19.4 (30.5) | 2.7 (2.4) | 7.0 (7.2) |

**Planning help for i-P65 O CG-S – Symmetric optics for E = 1.0 lx (0.5 lx)**

Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

i-P65 O CG-S  
with symmetric optics

| Mounting height [m] | Types of mounting | L1        | L2          | L3        | L4          |
|---------------------|-------------------|-----------|-------------|-----------|-------------|
| 2.5                 | Ceiling mounting  | 4.8 (5.3) | 10.7 (11.2) | 4.7 (5.3) | 10.6 (11.3) |
| 3.0                 | Exit route centre | 4.8 (6.1) | 12.2 (13.1) | 4.8 (6.0) | 12.0 (13.2) |
| 3.5                 |                   | 4.1 (6.7) | 12.7 (15.0) | 4.0 (6.6) | 12.6 (14.9) |
| 2.5                 | Ceiling mounting  | 5.0 (5.7) | 10.4 (10.9) | 4.9 (5.7) | 10.4 (11.0) |
| 3.0                 | Room illumination | 3.9 (6.3) | 11.9 (12.9) | 4.0 (4.1) | 11.9 (12.9) |
| 3.5                 |                   | 3.1 (4.7) | 12.1 (14.6) | 2.8 (6.8) | 11.9 (14.7) |
| 4.0                 |                   | 0.9 (4.7) | 10.1 (16.3) | 5.6 (4.7) | 10.1 (16.3) |