

# i-P65 LED CG-S

Safety luminaire



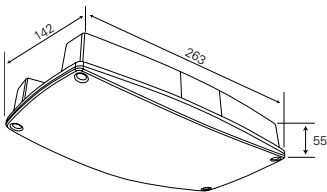
## i-P65 LED CG-S

- 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 (M20- gland is not included in delivery) and double terminal for through-wiring
- 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 (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

1 i-P65 E CG-S



i-P65 O CG-S



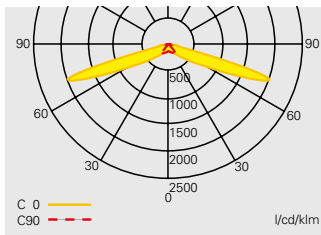
Luminous flux	225 lm
Luminous flux $\Phi_E/\Phi_N$ at the end of rated operating time	100 %
Housing material	Polycarbonate
Housing colour	Light grey
Weight	0.54 kg
Type of mounting	Ceiling mounting
Connection terminals	3 x 2.5 mm <sup>2</sup>
Connection voltage	220 - 240 V AC, 50/60 Hz 176 - 275 V DC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

## Ordering details

Type	Order No.
Safety luminaire i-P65 E CG-S, with asymmetric optics for escape 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

### Engineering 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

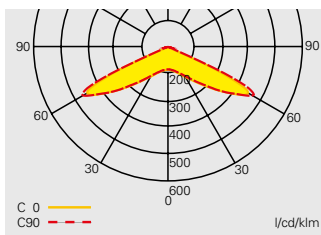


i-P65 E CG-S  
with asymmetric optics

Mounting height [m]	Types of mounting	L1	L2	L3	L4
2.5	Ceiling mounting	7.9 ( 8.5)	16.8 (17.9)	2.2 (2.4)	4.6 ( 4.8)
3.0	Escape route centre	8.9 ( 9.8)	19.6 (20.8)	2.6 (2.7)	5.3 ( 5.6)
3.5		9.7 (11.0)	22.0 (23.7)	2.9 (3.0)	6.1 ( 6.5)
4.0		9.9 (12.2)	24.2 (26.4)	3.0 (3.4)	6.7 ( 7.2)
4.5		6.8 (13.1)	26.1 (29.0)	3.1 (3.8)	7.5 ( 8.0)
5.0		– (13.8)	– (31.4)	– (4.1)	– ( 8.6)
2.5	Ceiling mounting	7.0 ( 7.8)	14.4 (15.8)	1.5 (2.0)	4.1 ( 4.3)
3.0	Room illumination	7.9 ( 8.1)	16.4 (18.4)	1.4 (2.2)	4.6 ( 4.9)
3.5		5.1 ( 8.9)	17.7 (20.4)	2.0 (2.3)	5.3 ( 5.6)
4.0		5.1 ( 9.8)	18.8 (22.3)	2.0 (2.2)	5.8 ( 6.3)
4.5		4.1 ( 9.9)	19.7 (23.7)	2.0 (2.3)	6.1 ( 7.0)
5.0		– ( 9.9)	– (25.0)	– (2.2)	– ( 7.7)

### Engineering 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	4.5 (5.0)	10.1 (10.8)	4.6 (5.1)	10.2 (10.6)
3.0	Escape route centre	4.6 (5.7)	11.4 (12.5)	4.7 (5.9)	11.7 (12.5)
3.5		3.8 (6.3)	12.5 (14.2)	3.9 (6.4)	12.7 (14.3)
4.0		– (6.5)	– (15.6)	– (6.7)	– (15.8)
2.5	Ceiling mounting	4.6 (6.0)	9.6 (10.4)	4.6 (5.0)	9.8 (10.2)
3.0	Room illumination	5.1 (5.7)	10.9 (12.0)	4.1 (5.7)	11.3 (12.0)
3.5		3.2 (6.9)	12.0 (13.7)	3.1 (5.9)	12.2 (13.7)
4.0		0.6 (6.5)	8.3 (15.0)	0.6 (6.6)	8.3 (15.2)