

Atlantic LED II LT CG-S

Safety and Exit Sign Luminaires with High Ingress Protection



Atlantic LED II LT CG-S

- LED exit sign luminaire with high protection class (IP66) for indoor and outdoor use
- An integrated pressure equalization membrane reduces the effects of condensation in changing weather conditions
- Specialized electronics with components for reliable operation down to -40 °C
- Luminaire with limited surface temperatures for use in operating areas with fire hazard
- Acc. HACCP suitable for use in food processing industry
- Robust construction from aluminium diecast and high impact resistant cover made of polycarbonate
- Numerous knock-outs for cable entries
- Excellent perceptibility on account of high luminance of the white contrasting colour > 500 cd/m² in keeping with standard DIN 4844-1 and high uniformity L_{min}/L_{max} > 0.8
- Minimum service requirement due to high service life of the LEDs (up to 50.000 hours @ 40°C, lower temperature will increase the service time)
- Shortened inspection effort due to CEWA GUARD technology
- Automatic function monitoring of up to 20 luminaires per circuit
- Reduced installation cost by STAR technology
- Freely programmable mixed operation of the switching modes per luminaire in one circuit
- Increased safety through SLI-technology, monitoring of up to 8 individual LEDs in series connection

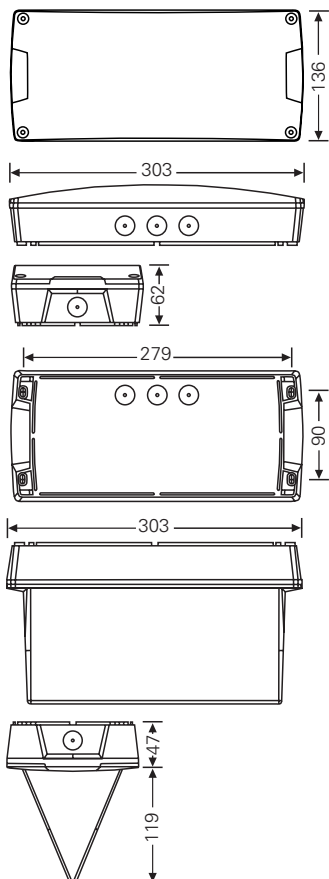
Atlantic LED II LT S CG-S



Atlantic LED II LT D CG-S



Dimensions in mm








Viewing distance	24 m
Luminous flux Φ_E/Φ_N at the end of rated operating time	100 %
Housing material	Enclosure: Aluminium diecast Cover: Polycarbonate (850 °C glow wire resistant)
Housing colour	RAL 7001
Weight	Atlantic LED II LT S 1.4 kg Atlantic LED II LT D 1.8 kg
Type of mounting	Wall- and ceiling mounting
Connection terminals	3 x 2 x 2.5 mm ²
Connection voltage	220 – 240 V, 50/60 Hz; 176 – 275 V DC
Current consumption - battery operation (220 V)	21 mA
Power consumption mains operation (apparent power / effective power)	5.6 VA / 4.0 W
Power Factor	0.71
Inrush current	3 A
Permissible ambient temperature	-40 °C to +40 °C
Light source	1 x 2.2 W High Power LED

Ordering details

Type	Scope of supply	Order No.
Atlantic LED II LT S CG-S	Exit sign luminaire, single sided, IP66 / IK09 for low temperatures (to -40°C), single sided, without pictogram, incl. LED supply and CG-S technology (20 addresses), incl. M20 cable gland	40071355609
Atlantic LED II LT D CG-S	Exit sign luminaire, double sided, IP66 / IK09 for low temperatures (to -40°C), double sided, without pictograms (2 required), incl. LED supply and CG-S technology (20 addresses), incl. M20 cable gland	40071355610

Accessories

Type	Scope of supply	Atlantic LED II S Order No.	Atlantic LED II D Order No.
			2 x required
Arrow right acc. ISO 7010	pictogram	 155-000-011	155-000-211
Arrow left acc. ISO 7010	pictogram	 155-000-012	155-000-212
Arrow down acc. ISO 7010	pictogram	 155-000-013	155-000-213
Arrow up acc. ISO 7010	pictogram	 40071355423	40071355453
Blind	Blind (white foil)		155-000-209



Atlantic LED II LT HB CG-S

- LED safety luminaire with high protection class (IP66) for indoor and outdoor use
- An integrated pressure equalization membrane reduces the effects of condensation in changing weather conditions
- Specialized electronics with components for reliable operation down to -40 °C
- Luminaire with limited surface temperatures for use in operating areas with fire hazard
- Acc. HACCP suitable for use in food processing industry
- Robust construction from aluminium diecast and high impact resistant cover made of polycarbonate
- Numerous knock-outs for cable entries
- Suitable for mounting heights up to 32 m by narrow beam optics and exceptionally efficient High Power LEDs
- Spacing up to 28 m from luminaire to luminaire with optics for escape route illumination
- Up to 15 m from luminaire to luminaire with optics for open area illumination.
- Minimum service requirement due to high service life of the LEDs (up to 50.000 hours @ 40°C, lower temperature will increase the service time)
- Shortened inspection effort due to CEWA GUARD technology
- Automatic function monitoring of up to 20 luminaires per circuit
- Reduced installation cost by STAR technology
- Freely programmable mixed operation of the switching modes per luminaire in one circuit
- Increased safety through SLI-technology, monitoring of up to 8 individual LEDs in series connection

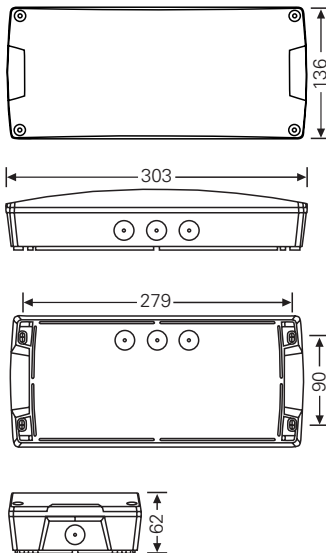
Atlantic LED II LT R HB CG-S



Atlantic LED II LT O HB CG-S



Dimensions in mm



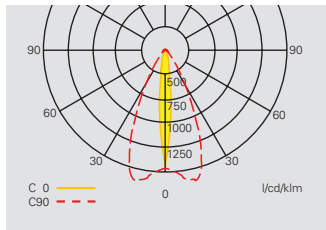
Luminous flux	380 lm
Luminous flux Φ_E/Φ_N at the end of rated operating time	100 %
Housing material	Enclosure: Aluminium diecast Cover: Polycarbonate (850 °C glow wire resistant)
Housing colour	RAL 7001
Weight	1.4 kg
Type of mounting	Ceiling mounting
Connection terminals	3 x 2 x 2.5 mm ²
Connection voltage	220 – 240 V, 50/60 Hz 176 – 275 V DC
Current consumption - battery operation (220 V)	26 mA
Power consumption mains operation (apparent power / effective power)	6.4 VA / 4.7 W
Power Factor	0.73
Inrush current	3 A
Permissible ambient temperature	-40 °C to +40 °C
Light source	2 x 1.6W High Power LED (6000 K / CRI \geq 70)

Ordering details

Type	Scope of supply	Order No.
Atlantic LED II LT R HB CG-S	Safety luminaire, IP66 / IK09 for low temperatures (to -40°C), with asymmetric narrow beam optics, for escape route illumination, incl. LED supply and CG-S technology (20 addresses), incl. M20 cable gland	40071355613
Atlantic LED II LT O HB CG-S	Safety luminaire, IP66 / IK09 for low temperatures (to -40°C), with symmetric narrow beam optics, for anti-panic / open area illumination, incl. LED supply and CG-S technology (20 addresses), incl. M20 cable gland	40071355614

Atlantic LED II LT HB CG-S

Safety and Exit Sign Luminaires with High Ingress Protection

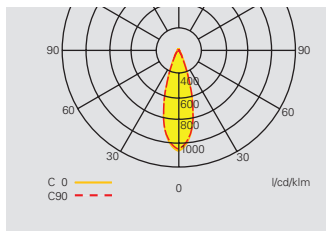


Light distribution curve
Atlantic LED II LT R HB CG-S
with asymmetric optics

Planning data for Atlantic LED II LT R HB – Asymmetric optics, for E = 1.0 lx (0.5 lx)

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

Mounting height [m]	Type of mounting	Lux level directly under	L1	L2	L3	L4
8.0	Ceiling mounting	16.4	6.1 (6.8)	13.6 (15.5)	2.8 (3.5)	6.9 (8.4)
10.0	Escape route	10.5	6.9 (8.0)	15.9 (17.9)	2.9 (3.8)	7.7 (9.1)
12.0	centre	7.3	7.7 (8.9)	17.8 (20.0)	2.9 (4.1)	8.1 (10.1)
14.0		5.4	8.3 (9.7)	19.4 (22.3)	2.6 (4.2)	8.3 (10.8)
16.0		4.1	8.9 (10.6)	21.1 (24.4)	2.6 (4.1)	8.2 (11.3)
18.0		3.2	9.3 (11.3)	22.5 (26.1)	2.7 (4.0)	7.9 (11.7)
20.0		2.6	9.7 (11.8)	23.6 (27.7)	2.6 (3.6)	7.3 (11.8)
22.0		2.2	9.9 (12.4)	24.7 (29.4)	2.4 (3.7)	7.4 (11.6)
24.0		1.8	10.1 (12.9)	25.8 (30.9)	2.1 (3.7)	7.5 (11.5)
26.0		1.6	10.1 (13.3)	26.6 (32.2)	1.8 (3.8)	7.5 (11.1)
28.0		1.3	10.0 (13.6)	27.2 (33.2)	1.4 (3.7)	7.4 (10.4)
30.0		1.2	9.5 (13.9)	27.7 (34.3)	0.9 (3.5)	7.1 (10.3)
32.0		1.0	8.8 (14.1)	28.2 (35.5)	0.2 (3.3)	6.7 (10.5)



Light distribution curve
Atlantic LED II LT O HB CG-S
with symmetric optics

Planning data for Atlantic LED II LT O HB – Symmetric optics, for E = 1.0 lx (0.5 lx)

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

Mounting height [m]	Type of mounting	Lux level directly under	L1	L2	L3	L4
8.0	Ceiling mounting	13,2	4.1 (4.9)	9.7 (11.8)	4.0 (4.7)	9.3 (11.1)
10.0	Escape route	8,5	4.5 (5.5)	10.9 (13.0)	4.5 (5.4)	10.7 (12.6)
12.0	centre	5,9	5.0 (6.0)	11.9 (14.0)	5.0 (5.9)	11.7 (13.7)
14.0		4,3	5.2 (6.4)	12.8 (15.3)	5.3 (6.3)	12.7 (15.0)
16.0		3,3	5.5 (6.9)	13.7 (16.4)	5.5 (6.8)	13.7 (16.1)
18.0		2,6	5.6 (7.2)	14.4 (17.2)	5.6 (7.2)	14.4 (16.9)
20.0		2,1	5.5 (7.4)	14.8 (18.2)	5.6 (7.5)	14.9 (18.0)
22.0		1,8	5.2 (7.6)	15.3 (19.1)	5.4 (7.7)	15.4 (19.1)
24.0		1,5	4.8 (7.8)	15.6 (19.9)	4.9 (7.9)	15.8 (19.9)
26.0		1,3	3.9 (7.9)	15.7 (20.5)	4.1 (8.0)	15.9 (20.6)
28.0		1,1	2.4 (7.8)	15.6 (20.9)	2.4 (7.9)	15.9 (21.0)
8.0	Ceiling mounting		2.9 (3.2)	7.9 (9.9)	3.2 (3.6)	7.8 (9.8)
10.0	Room illumination		3.3 (3.7)	8.8 (10.7)	3.6 (4.1)	8.7 (10.7)
12.0	Array of		3.4 (4.0)	9.5 (11.5)	3.9 (4.3)	9.5 (11.5)
14.0	2x2 luminaires		3.8 (4.5)	10.3 (12.4)	4.1 (4.8)	10.3 (12.3)
16.0			4.1 (4.7)	10.9 (13.0)	4.5 (5.2)	10.9 (13.0)
18.0			4.2 (4.8)	11.6 (14.0)	4.7 (5.3)	11.5 (13.9)
20.0			4.1 (5.3)	12.3 (14.7)	4.6 (5.7)	12.3 (14.6)
22.0			4.2 (5.6)	12.9 (15.4)	4.7 (6.0)	12.9 (15.2)
24.0			4.2 (5.9)	13.4 (15.8)	4.7 (6.3)	13.4 (15.7)
26.0			4.1 (5.6)	13.8 (16.6)	4.6 (6.4)	13.8 (16.6)
28.0			3.9 (5.5)	14.2 (17.4)	4.3 (6.3)	14.1 (17.3)



Atlantic LED II LT CG-S

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- An integrated pressure equalization membrane reduces the effects of condensation in changing weather conditions
- Specialized electronics with components for reliable operation down to -40 °C
- Luminaire with limited surface temperatures for use in operating areas with fire hazard
- Acc. HACCP suitable for use in food processing industry
- Robust construction from aluminium diecast and high impact resistant cover made of polycarbonate
- Numerous knock-outs for cable entries
- High spacing by double optics technology and highly efficient HighPower LEDs
- Up to 28 m from luminaire to luminaire with optics for escape route illumination
- Minimum service requirement due to high service life of the LEDs (up to 50.000 hours @ 40°C, lower temperature will increase the service time)
- Shortened inspection effort due to CEWA GUARD technology
- Automatic function monitoring of up to 20 luminaires per circuit
- Reduced installation cost by STAR technology
- Freely programmable mixed operation of the switching modes per luminaire in one circuit
- Increased safety through SLI-technology, monitoring of up to 8 individual LEDs in series connection

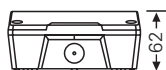
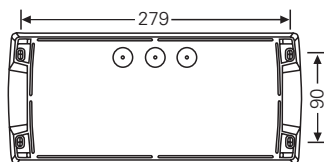
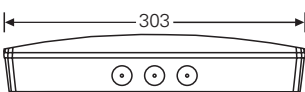
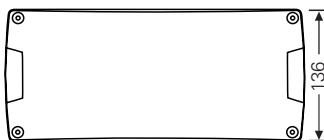
Atlantic LED II LT R CG-S



Atlantic LED II LT O CG-S



Dimensions in mm



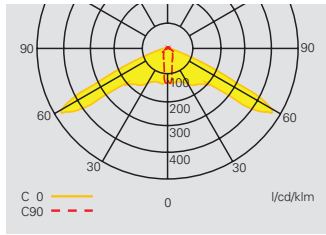
Luminous flux	Atlantic LED R: 250 lm Atlantic LED O: 260 lm
Luminous flux Φ_E/Φ_N at the end of rated operating time	100 %
Housing material	Enclosure: Aluminium diecast Cover: Polycarbonate (850 °C glow wire resistant)
Housing colour	RAL 7001
Weight	1.4 kg
Type of mounting	Ceiling mounting
Connection terminals	3 x 2 x 2.5 mm ²
Connection voltage	220 – 240 V, 50/60 Hz 176 – 275 V DC
Current consumption - battery operation (220 V)	21 mA
Power consumption mains operation (apparent power / effective power)	5.6 VA / 4.0 W
Power Factor	0.71
Inrush current	3.0 A
Permissible ambient temperature	-40 °C to +40 °C
Light source	1 x 2.2 W High Power LED (6000 K / CRI >= 70)

Ordering details

Type	Scope of supply	Order No.
Atlantic LED II LT R CG-S	Safety luminaire, IP66 / IK09 for low temperatures (to -40°C), with asymmetric optics, for escape route illumination, incl. LED supply and CG-S technology (20 addresses), incl. M20 cable gland	40071355611
Atlantic LED II LT O CG-S	Safety luminaire, IP66 / IK09 for low temperatures (to -40°C), with symmetric optics, for anti-panic / open area illumination, incl. LED supply and CG-S technology (20 addresses), incl. M20 cable gland	40071355612

Atlantic LED II LT CG-S

Safety and Exit Sign Luminaires with High Ingress Protection

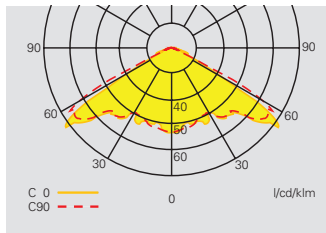


Light distribution curve
Atlantic LED II LT R CG-S
with asymmetric optics

Planning data for Atlantic LED II LT R 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

Mounting height [m]	Type of mounting	Lux level directly under	L1	L2	L3	L4
2.5	Ceiling mounting	15.3	6.0 (6.6)	13.1 (14.4)	2.5 (3.6)	7.1 (8.0)
3.0	Escape route	10.6	6.9 (7.6)	15.1 (16.3)	2.5 (3.8)	7.4 (9.1)
3.5	centre	7.8	7.6 (8.5)	17.0 (18.5)	2.5 (3.6)	7.2 (10.0)
4.0		6.0	8.3 (9.3)	18.7 (20.5)	2.5 (3.6)	7.2 (10.3)
4.5		4.7	9.1 (10.1)	20.2 (22.4)	2.4 (3.6)	7.2 (10.6)
5.0		3.8	9.7 (10.9)	21.7 (24.2)	2.3 (3.6)	7.1 (10.0)
5.5		3.2	10.3 (11.6)	23.2 (25.9)	2.0 (3.5)	7.0 (10.1)
6.0		2.7	10.9 (12.3)	24.6 (27.5)	1.9 (3.4)	6.8 (10.1)
6.5		2.3	11.4 (13.0)	26.0 (29.0)	1.8 (3.3)	6.7 (10.2)
7.0		2.0	8.3 (13.6)	27.3 (30.5)	1.7 (3.2)	6.4 (10.1)
7.5		1.7	7.5 (14.3)	28.0 (31.9)	1.5 (3.0)	6.0 (10.0)
8.0		1.5	7.0 (14.8)	27.7 (33.4)	1.4 (2.8)	5.6 (9.8)
8.5		1.3	6.5 (15.4)	27.8 (34.8)	1.3 (2.7)	5.4 (9.6)
9.0		1.2	5.7 (16.0)	28.0 (36.2)	1.2 (2.5)	5.1 (9.5)
9.5		1.1	3.9 (16.5)	28.4 (37.6)	1.1 (2.4)	4.9 (9.3)



Light distribution curve
Atlantic LED II LT O CG-S
with symmetric optics

Planning data for Atlantic LED II LT 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

Mounting height [m]	Type of mounting	Lux level directly under	L1	L2	L3	L4
2.5	Ceiling mounting	6.7	4.0 (4.3)	8.6 (9.6)	4.3 (4.7)	9.5 (10.1)
3.0	Escape route	4.7	4.5 (5.0)	9.9 (10.9)	4.6 (5.5)	10.9 (11.8)
3.5	centre	3.4	4.9 (5.6)	11.1 (12.1)	4.7 (6.1)	12.0 (13.3)
4.0		2.6	4.5 (6.1)	12.2 (13.5)	4.0 (6.4)	12.8 (14.8)
4.5		2.1	3.7 (6.6)	12.5 (14.7)	3.7 (6.6)	12.7 (16.1)
5.0		1.7	2.8 (6.9)	12.8 (15.9)	2.8 (6.6)	12.6 (17.1)
5.5		1.4	2.6 (6.7)	12.6 (17.0)	2.2 (6.3)	12.1 (17.9)
6.0		1.2	1.5 (5.5)	11.1 (18.0)	1.6 (5.4)	10.9 (17.8)
2.5	Ceiling mounting		4.4 (4.8)	8.6 (9.2)	4.5 (3.0)	8.9 (9.5)
3.0	Room illumination		4.8 (5.3)	9.9 (10.8)	5.0 (3.5)	10.3 (11.2)
3.5	Array of		5.1 (6.0)	11.1 (12.1)	5.2 (6.1)	11.5 (12.5)
4.0	2x2 luminaires		4.5 (6.4)	12.2 (13.4)	4.6 (6.6)	12.6 (13.9)
4.5			3.9 (6.9)	12.1 (14.7)	3.5 (7.0)	12.5 (15.2)
5.0			2.6 (7.2)	12.4 (15.8)	2.2 (7.1)	12.8 (16.3)
5.5			2.6 (7.0)	12.1 (16.9)	1.2 (6.6)	12.2 (17.5)
6.0			2.1 (5.4)	11.4 (17.7)	2.5 (3.7)	11.4 (18.0)