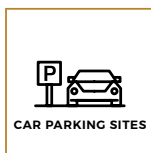
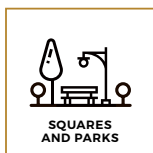
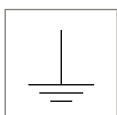


AMPULLA

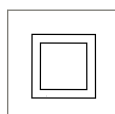


The decorative conical luminaire AMPULLA limits light pollution and light nuisance through the use of an optical lens and a transparent diffuser with a striped pattern. AMPULLA incorporates excellent lighting technology, energy efficiency and has good photometric performance.

STANDARD



OPTION





BENEFITS

- ▶ Functional and aesthetically appealing for contemporary public spaces
- ▶ Limited light pollution and light nuisance through the use of an optical lens with transparent diffuser with a line pattern
- ▶ Ensures even light distribution and optimum visibility
- ▶ Efficient light technology that contributes to lower energy costs
- ▶ Vandal-proof and can withstand impact energy of up to 10 joules – ideal for public spaces
- ▶ Simple to equip with the latest LED technology thanks to the Unicliq unit



SMART LIGHTING

Compatible with any Zhaga-D4i system by using the universal Zhaga-book 18 connector



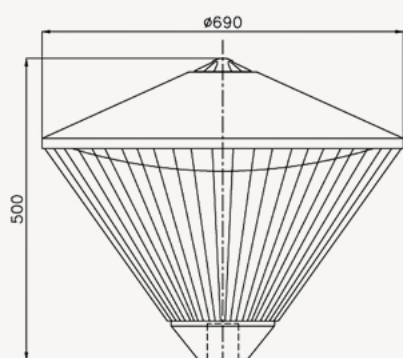
Want to speak to a specialist?
Click on / scan the QR-code!

PRODUCT SPECIFICATIONS

- ▶ Top cover aluminium grey (RAL 9007), coated
- ▶ Light cover polycarbonate, clear with textured strips
- ▶ Optica shielding: clear structured polycarbonate
- ▶ UniCliq unit
- ▶ Weight: ± 13.5 kg (depending on the model)
- ▶ Standard Surge Protection (CM/DM) 8 kV / 6 kV
- ▶ Standard cable type H05BQ-F (3 x 1 mm²)
- ▶ Wind surface: ± 0.2 m²
- ▶ Safety class: I
- ▶ Voltage: 230 / 240 V, 50 Hz
- ▶ CRI: > 70
- ▶ Colour temperature cool white (4.000K) or warm white (3.000K)
- ▶ Expected lifespan 100.000 hours at T environment = 25 °C (L96/F10)
- ▶ Different lens configurations
- ▶ Pole-mounted size: 60 mm
- ▶ Assembly-, installation- and maintenance friendly
- ▶ LED2WELL-Core

OPTIONS

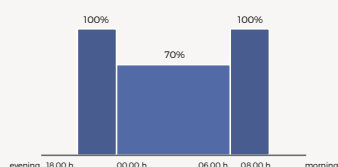
- ▶ Colour temperature extra warm white (2.700K), candlelight (2.200K) or Amber (1.700K)
- ▶ LED2WELL-Pro
- ▶ Unicliq unit: retrofit LED unit for existing luminaires
- ▶ Opplus kit Zhaga: LED unit with top cover and Zhaga Book 18-connector for smart readiness
- ▶ Equipped with a different cable
- ▶ Captive top cover
- ▶ Other RAL colour
- ▶ Safety class II
- ▶ DALI-2
- ▶ Constant Lumen Output (CLO)
- ▶ Pole-mounted size 76 mm

DIMENSIONS IN MM

DIMENSIONS AND MOUNTING

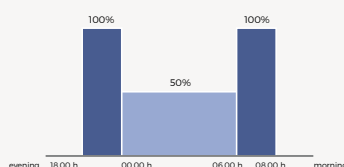
Height x Diameter	500 x 690 mm
Weight in kg (basic model)	± 13,5 kg, (depending on the model)
Mounting	Pole top mounted: 60 mm (76 mm optional)



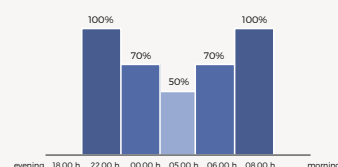
In addition to using LED, even more energy can be saved, or light pollution avoided employing AMPULLA luminaires supplied with a factory-set dimming schedule (1A, 2A, 3A, 4A or 5A). The AMPULLA luminaire will, once the night rhythm has been established, autonomously dim when appropriate and return to 100% in the morning.



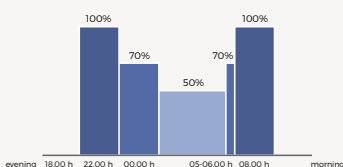
1A - 15% ENERGY SAVING



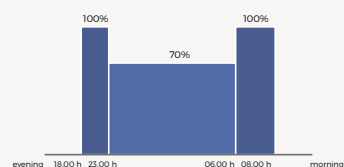
2A - 23% ENERGY SAVING



3A - 28% ENERGY SAVING



4A - 34% ENERGY SAVING
Most energy-saving dimming schedule



5A - 20% ENERGY SAVING

Disclaimer: whether the percentages for the dimming schedules are actually achieved is partly dependent on the chosen configuration for the luminaire

CONSTANT LIGHT OUTPUT (CLO)

All AMPULLA luminaires support the CLO facility, in other words the typical light degradation of about 10% over the lifespan can be compensated through gradually increasing the power over the lifespan to ensure the light intensity remains at L100.

SLIMME VERLICHTING

AMPULLA luminaires can be equipped as an option with a Zhaga Book 18-connector, facilitating the simple connection of a communication module (node). Thanks to support from Zhaga-D4i, the luminaire can be automatically recognised by any compatible light management system, including data like type, power and status information. This ensures that the luminaires are ready for the latest applications in the field of smart and connected lighting.



LED²WELL CORE Our energy-saving lighting solutions

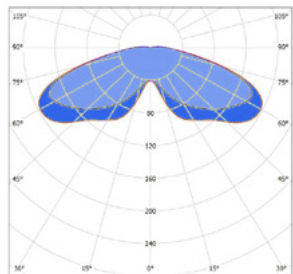
			CRI 70 (Option: CRI 80)			
Number of LEDs	Lumen	OPTION AMBER System capacity (W)	OPTION 2200K System capacity (W)	OPTION 2700K System capacity (W)	STANDARD 3000K System capacity (W)	STANDARD 4000K System capacity (W)
16	800	8,9	7,4	6,7	6,2	5,9
	1050	-	9,3	8,4	7,9	7,4
	1200	12,4	10,5	9,6	8,6	8,2
	1350	-	11,5	10,5	9,6	9,1
	1500	-	12,6	11,5	10,5	9,8
	1600	16,3	13,6	12,2	11,2	10,5
	1800	-	15,0	13,6	12,4	11,7
	2000	-	16,7	15,3	13,6	12,6
	2150	-	17,9	16,2	14,5	13,6
	2300	-	19,3	17,4	15,7	14,5
	2500	-	21,2	18,9	16,9	15,7
	2750	-	23,5	21,0	18,9	17,4
	3000	-	25,8	23,0	20,6	18,9
32	2000	19,6	-	-	-	-
	2300	22,4	-	-	-	-
	2500	23,4	-	-	-	-
	3000	28,6	-	-	-	-

LED²WELLPRO Our energy-saving solutions for **ultimate lighting comfort**

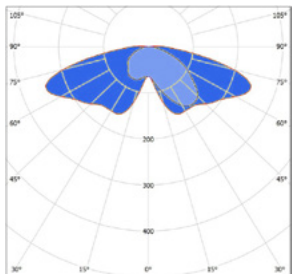
			CRI > 70			
Number of LEDs	Lumen	OPTION AMBER System capacity (W)	OPTION 2200K System capacity (W)	STANDARD 2700K System capacity (W)	STANDARD 3000K System capacity (W)	STANDARD 4000K System capacity (W)
32	800	-	-	-	5.8	5.5
	1050	-	-	-	7.3	7.0
	1200	-	-	-	8.0	7.7
	1350	-	-	-	8.9	8.6
	1500	-	-	-	9.8	9.3
	1600	-	-	-	10.4	10.0
	1800	-	-	-	11.3	10.9
	2000	-	-	-	12.4	12.0
	2150	-	-	-	13.1	12.7
	2300	-	-	-	13.8	13.6
	2500	-	-	-	15.4	14.7
	2750	-	-	-	16.7	16.1
	3000	-	-	-	17.9	17.5

LED²WELL CORE

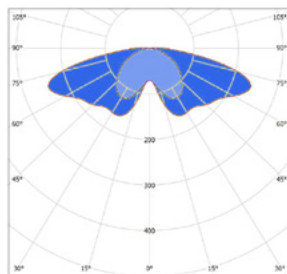
CODE 6



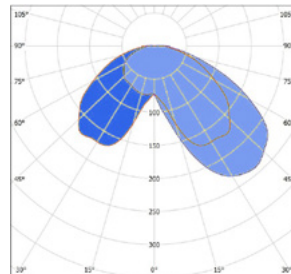
CODE 7



CODE 8



CODE 10



LED - CODE 7 - 4000K - 1500 LM - 10,9 W - (11,2 W AT 3000K)

Euv / Uh	Profile	Post height	Post distance
3,0 lux / 0,46	6 meter + 1 meter sidewalk	4 meter	25 meter