

# VERS O - LED



## RANGE

Powers and flows in LED range synoptic table.  
 Colour temperatures: 2200K - 2700K - 3000K - 4000K.  
 Life span L80 @350mA @ $t_a=25^{\circ}\text{C} \geq 120\,000\text{h}$ .  
 Fewer than 50% of LEDs have an outgoing flux inferior to 80% of the initial flux at 120 000h.  
 Thermal management of LED.  
 Zhaga standard LED module.

## AVAILABLE OPTICS:

### LIGHTING type for squares (SYM 5)

LIGHTING type for narrow streets (ASYM 2 or 2-1)

LIGHTING type for roads (ASYM 3)

LIGHTING type for avenues (ASYM 3-1)

LIGHTING type for parking lots (ASYM 4)

## MATERIALS – SURFACE TREATMENT

Body: die-cast AS 12 aluminum  
 Bowl: PMMA impact resistant  
 Standard colour grey sanded 2900 or other RAL on request  
 Baked (220°C) polyester powder coating  
 Optional treatment specifically for coast/shoreline available.

## MOUNTING – CABLING

Mounting on tube  $\varnothing 60\text{-}62\text{mm}$  70mm length (outer  $\varnothing$  of the mount  $\varnothing 89\text{mm}$ ).  
 6 available meter pre-cabled luminaire (flexible cable 2x 1.5mm<sup>2</sup>).

## INSTALLATION/MAINTENANCE

Access by superior dome using 2 stainless steel captive screws.  
 Replaceable driver. Replaceable LED module.  
 Conditions of use and of maintenance available upon request.

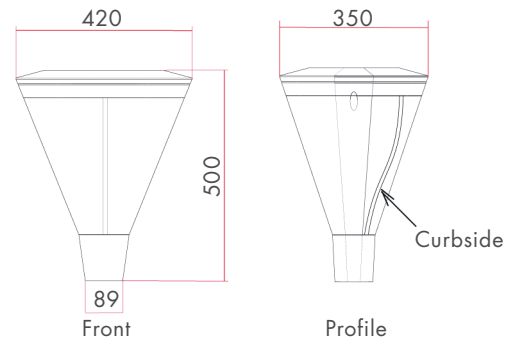
## RESISTANCE TO OVERVOLTAGE

Category IV luminaire, holding to a shock wave of 6kV between phase-neutral and earth.  
 Surge protection device (SPD) 10kV-5kA between phase-neutral and earth to be provided at the base of the pole.

## OPTION

For a communicating system, dual pre-cabling dedicated to communication is necessary (flexible cable 5Gx1.5mm<sup>2</sup>).

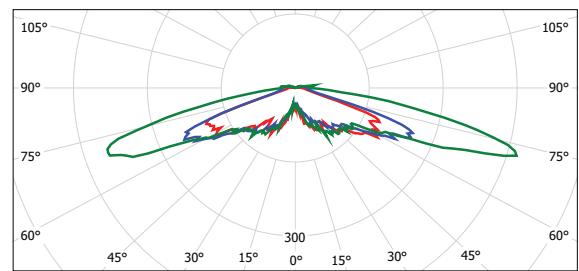
## • DIMENSIONS



## • WEIGHT/SURFACE SCX: 7kg/0.07 m<sup>2</sup>

## • POLAR CURVES

Lighting type for public squares (SYM 5) as standard



cd/klm C0 - C180 C90 - C270 C35 - C215  $\eta = 87\%$

## • SMART LUM

Adjusted output power			Point to point control		Autonomous group with pilot wire	Group management	Luminous points' management
P-adjust	F-Constant	Detect	Prog BP6	Prog Cycles	Prog Switch with Detect	VAR	Dali
●	●	● Remote PIR sensor	●	●	●	●	●

VERSO LED LUMINAIRE SYNOPTIC  
ABEL - 03/2020



Luminaire	Reference	LUMINAIRE						Luminaire output ration (standard optic)	LED				Number	Number rule 1 disj 16A curve B	Resistance to electric shocks	OPTICS						SMART LUM OPTIONS - Detect +Switch - P-Adjust - F-Constant - Prog Cycles - VAR - DALI				
		Power consumption (W)	Flux (lm)/Light efficiency (lm/W)/IEE/ESC				LED current		Flux (lm)/Light efficiency (lm/W)/LED power							ASYM2 or 2-1	ASYM3 or 3-1	ASYM4	Reversed Road-Pavement	SYM5	Pedestrian	Detect	PIR sensor position	SMART LUM	Without option	
			4000K	3000K	2700K	2200K			4000K	3000K	2700K	2200K														
VERSO	19W	18,6	2377	2254	1932	1831	87%	350	2732	2591	2221	2105	16 LED	11	cat IV	✓	✓	✓		✓		✓	Remote PIR sensor	✓	✓	
	19W	18,6	ESC N°1	ESC N°1	ESC N°1	ESC N°1		350	15,3	16,9	145	137	16 LED		6 kV											
	19W	18,6	A++	A++	A+	A+		350					16 LED													
	29W	28,2	3412	3235	2779	2662	87%	530	3922	3718	3194	3060	16 LED	11	cat IV	✓	✓	✓		✓		✓	Remote PIR sensor	✓	✓	
	29W	28,2	ESC N°1	ESC N°1	ESC N°1	ESC N°1		530	23,6	23,6	23,6	23,7	16 LED		6 kV											
	29W	28,2	A++	A++	A+	A+		530					16 LED													
	38W	36,6	4307	4081	3511	3410	87%	700	4951	4691	4036	3920	16 LED	11	cat IV	✓	✓	✓		✓		✓	Remote PIR sensor	✓	✓	
	38W	36,6	ESC N°1	ESC N°1	ESC N°1	ESC N°1		700	157	148	126	120	16 LED		6 kV											
	38W	36,6	A++	A++	A+	A+		700	31,6	31,6	31,9	32,53333333	16 LED													
	54W	53,4	5721	5417	4669	4631	87%	1000	6576	6227	5367	5323	16 LED	11	cat IV	✓	✓	✓		✓		✓	Remote PIR sensor	✓	✓	
	54W	53,4	ESC N°1	ESC N°1	ESC N°2	ESC N°2		1000	141	133	115	115	16 LED		6 kV											
	54W	53,4	A++	A+	A+	A+		1000	46,8	46,8	46,8	46,4761905	16 LED													
	35W	34,2	4754	4508	3865	3663	87%	350	5464	5182	4442	4210	32 LED	11	cat IV	✓	✓	✓	✓	✓		✓	Remote PIR sensor	✓	✓	
	35W	34,2	ESC N°1	ESC N°1	ESC N°1	ESC N°1		350	17,9	16,9	145	137	32 LED		6 kV											
	35W	34,2	A++	A++	A++	A++		350	30,6	30,6	30,6	30,8	32 LED													
	72W	70,7	8615	8162	7023	6821	87%	700	9902	9382	8072	7840	32 LED	11	cat IV	✓	✓	✓	✓	✓		✓	Remote PIR sensor	✓	✓	
	72W	70,7	ESC N°1	ESC N°1	ESC N°1	ESC N°1		700	156,7	148,4	126,5	120,5	32 LED		6 kV											
	72W	70,7	A++	A++	A+	A+		700	63,2	63,2	63,82	65,0666667	32 LED													