

22A SATURN LED (24-LED)

Construction:

The unit consist of a body. A shade is mounted to the luminary body with a frame.
 A disk separating electrical compartment from lighting compartment, is attached to a luminary body.
 A LED light sources radiator is settled to the disk. LED modules are mounted to the radiator with a set of lenses, by screws. The modules are powered with a power supply. The luminary cover is mounted to the luminary body with a hinge and closed with a screw so no additional tools are necessary. The luminary is sealed with a gasket. As an option, we equip the luminary with a ZHAGA socket.

Mounting instructions:

- *) - Mount the shade to the body with a frame. Tighten mounting bolts.
- *) - Screw the LED light sources with a lenses to the radiator, mount a disk to the body.
- *) - Connect the electrical cables according to the scheme.
- Close the cover, screw the bolt using hand.
- Luminary is mounted to the lantern depending on the pole construction - either hanging on M20 thread or mounted on the top of the pole on $\varnothing 45\text{-}\varnothing 90$ diameter.

If any lantern elements are supplied factory-mounted, the mounting stages marked with *) should be omitted (as this has already been done by the manufacturer).

Technical data:

- Power: **~220-240V / 50-60Hz**
- Ambient/work temperature : **-40°C do +40°C**
- Protective class: **I or II**
- Ingress protection code: **IP66**
- Mechanical impact protection code: **IK10**
- Surge protection: **to 10kV**
- Life time: **L90, B10 >100 000h** (for G5)
- Controls method: **1-10V, DALI, Ampdim, Dynadimmer,**
 as an option - **socket ZHAGA with SR driver (D4i),**

Application:

Lighting: roadways, pavements, bicycle paths, markets, parks, parkings,



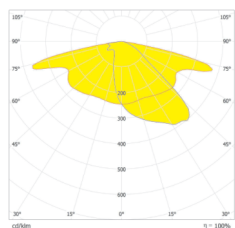
Product equipped with a replaceable light source LED - options:

Symbol	Light source	G5 - Luminous flux [lm]			HE - Luminous flux [lm]				UHE - Luminous flux [lm]		Pn [W]	If [mA]	Weight [kg]
		2700K (827)	3000K (830)	4000K (840)	2200K (722)	2700K (727)	3000K (730)	4000K (740)	3000K (730)	4000K (740)			
04 L-25W	24-LED	2641	2781	2940	3307	3351	3688	3790	4067	4127	25	300	7,0
04 L-32W	24-LED	3434	3615	3822	4361	4404	4849	7984	5362	5443	32	400	7,0
04 L-39W	24-LED	4196	4417	4670	5395	5426	5977	6144	6631	6731	39	500	7,0
04 L-46W	24-LED	4931	5191	5488	6410	6417	7073	7272	7876	7995	46	600	7,0
04 L-54W	24-LED	5643	5940	6281	7408	7378	8137	8367	9099	9236	54	700	7,0
04 L-61W	24-LED	6335	6668	7051	8389	8308	9168	9429	10299	10455	61	800	7,0

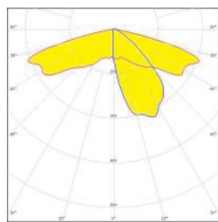
Luminous flux values shall be declared for ambient temperature 25°C. The class of modules used assumes 5% tolerance of the declared luminous flux value. The weight of the unit may slightly differ for individual production batches.

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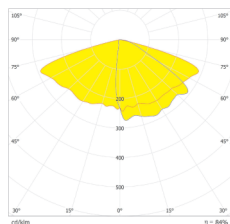
Available lenses - Photometry (polar plot) :



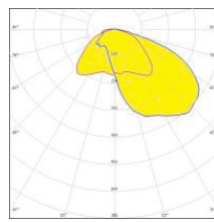
1. ME



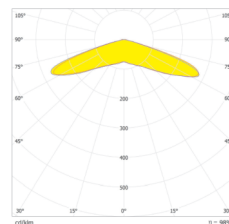
2. T2



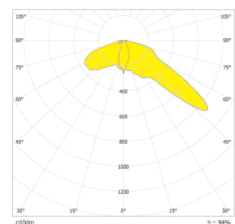
3. T3



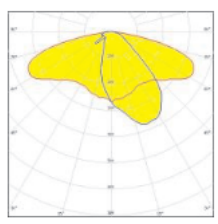
4. T4



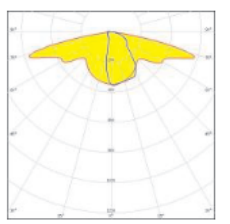
5. VSM



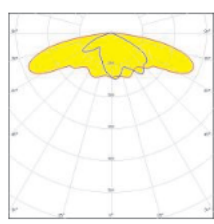
6. PX



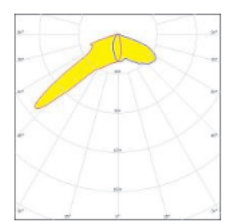
7. DWC



8. DWC-PC

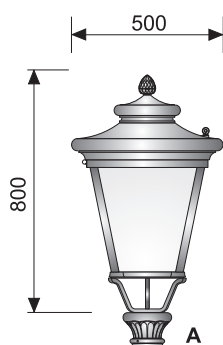


9. XW



10. PXL

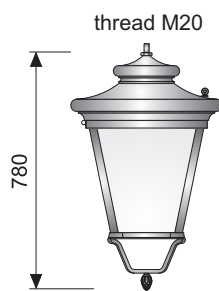
Versions/assembling:



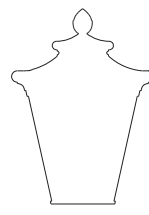
A
ø 45 - 89



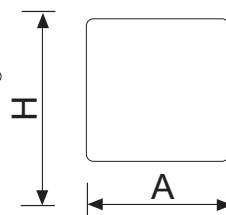
B
ø 45 - 89



C

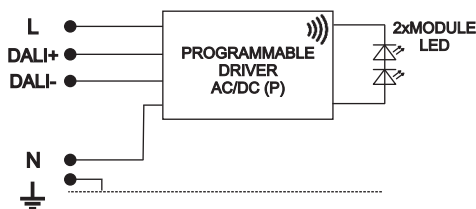


Wind area
 $A = 0,19m^2$

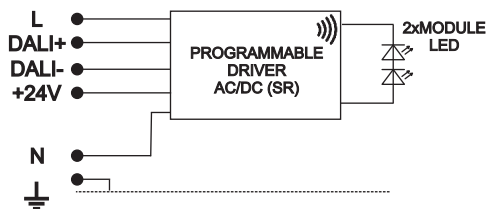


H/A
670/500

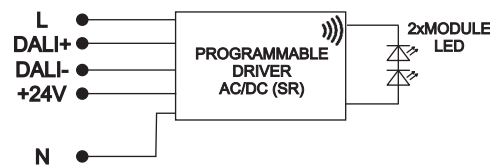
Electrical diagrams:



1. Light source LED (I Class Protection)
(basic version - programmable driver)



2. Light source LED (I Class Protection)
(version as an option - Sensor Ready driver)



3. Light source LED (II Class Protection)
(version as an option - Sensor Ready driver)

-programmable driver (P) enables programming of a five-steps power reduction, surge protection to 10kV
 -programmable driver (SR) enables to be powered wireless communication devices, via a ZHAGA socket, surge protection to 10kV
 -detailed specifications of the power supplies include catalogue cards of their manufacturers, which we provide on request