

## 24 NEXUS 36-LED

### Construction:

The unit consist of a body (1). A shade (2) is mounted to the luminary body with a ring (3). A disk (4) separating electrical compartment from lighting compartment, is attached to a luminary body. A LED light sources radiator (6) is settled to the disk (4). LED modules (5) are mounted to the radiator (6) with a set of lenses, by screws. The modules are powered with a power supply (7). The luminary is sealed with a gasket (8). As an option, we equip the luminary with a ZHAGA socket (11)

### Mounting instructions:

- \*) - Screw the LED light sources(5) with a lenses to the radiator (6).
- \*) - Connect the electrical cables according to the scheme.
- Tighten bolts to mount a disk (4) to the luminary body (1).
- Mount the shade (2) to the body (1) with a ring (3). Tighten mounting bolts.
- The luminary is mounted to the lantern with a M20 thread (10) (hanged luminary).

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:

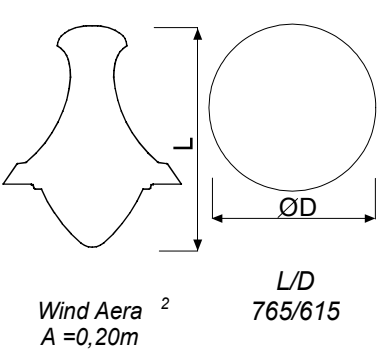

- Power: ~220-240V / 50-60Hz
- Ambient/work temperature : -30°C do +35°C
- Protective class: I
- Ingress protection code: IP66
- Mechanical impact protection code: IK10
- Surge protection: to 10kV
- Life time: L90, B10 >100 000h
- Controls method: 1-10V, DALI, Ampdim, Dynadimmer, as an option - socked ZHAGA with SR driver (D4i),

### Application:

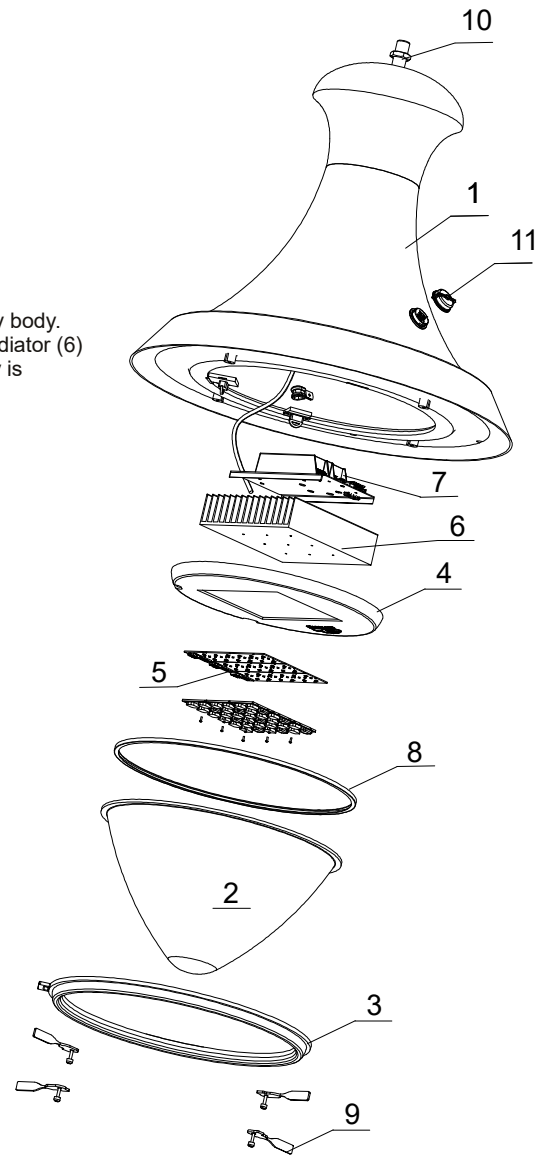
**Lighting: roadways, pavements, bicycle paths, markets, parks, parkings, pedestrian crossings**



### Product equipped with a replaceable light source LED - options:

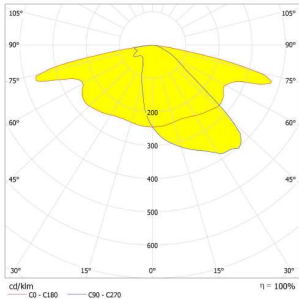
Product Symbol	Light source	Luminous flux [lm]			Pn [W]	If [mA]	Weight [kg]	Luminary dimensions	
		2700K (827)	3000K (830)	4000K (840)					
24 L-36W	36-LED G5	4403	4635	4907	36	300	12,0		
24 L-47W	36-LED G5	5725	6026	6371	47	400	12,0		
24 L-58W	36-LED G5	6994	7362	7784	58	500	12,0		
24 L-69W	36-LED G5	8219	8652	9747	69	600	12,0		
24 L-80W	36-LED G5	9405	9900	10469	80	700	12,0		
24 L-92W	36-LED G5	10558	11114	11751	92	800	12,0		

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.

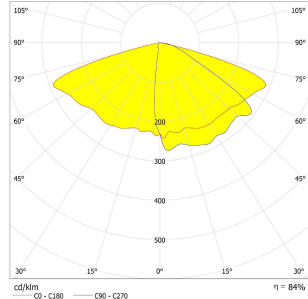


# 24 NEXUS 36-LED

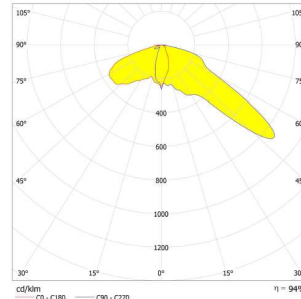
## Available lenses - Photometry (polar plot) :



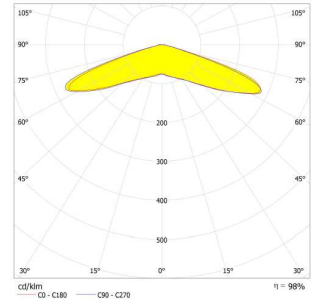
1. Basic lens ME



2. As an option lens T3

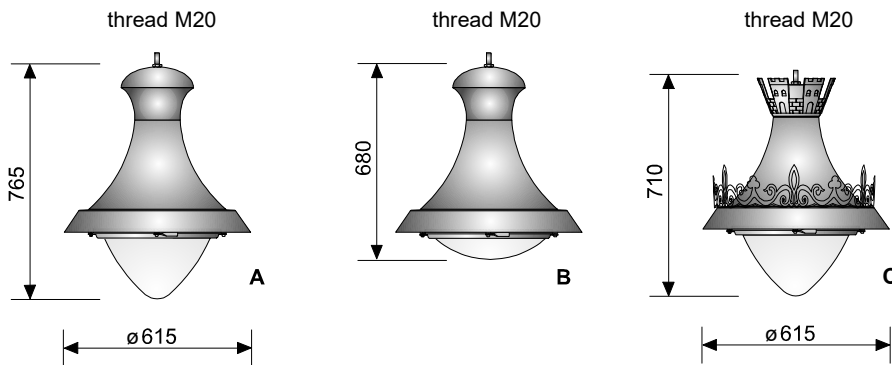


3. As an option lens PX

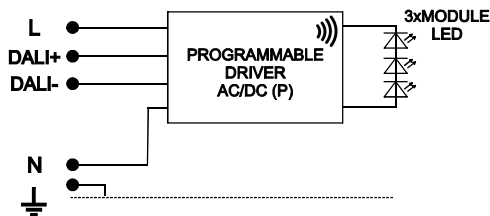


4. As an option lens VSM

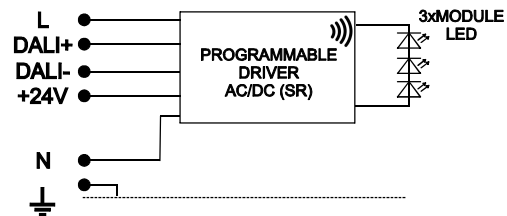
## Versions/assembling:



## Electrical diagrams:



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



2. Light source LED  
(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