

24 NEXUS 24-36 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)

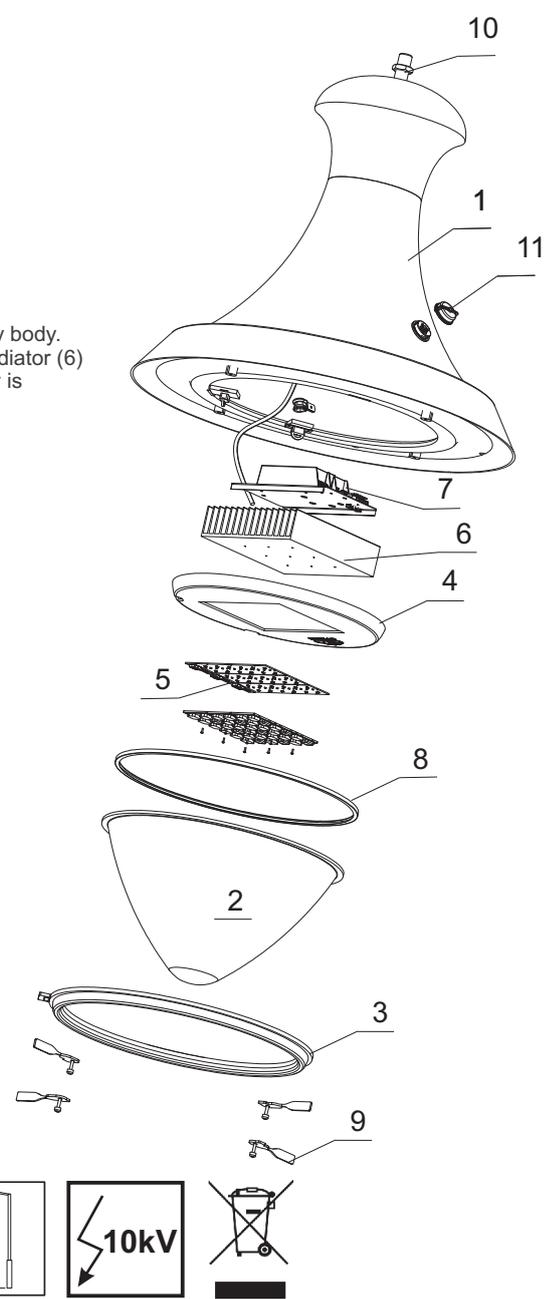
Mounting instructions:

- *) - 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 or II**
- 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 - **socketed ZHAGA with SR driver (D4i),**

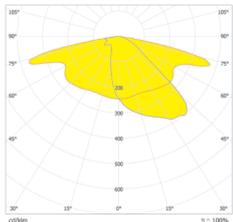


Pn [W]	Light source	G5 (RA80) - Luminous flux [lm]			G5 (RA70) - Luminous flux [lm]				HE - Luminous flux [lm]				UHE - Luminous flux [lm]		If [mA]
		2700K (827)	3000K (830)	4000K (840)	2200K (722)	2700K (727)	3000K (730)	4000K (740)	2200K (722)	2700K (727)	3000K (730)	4000K (740)	3000K (730)	4000K (740)	
25W	24-LED	2876	3031	3204	2762	3061	3400	3663	3307	3351	3688	3790	4067	4127	300
32W	24-LED	3739	3940	4166	3592	3979	4422	4764	4361	4404	4849	4984	5362	5443	400
39W	24-LED	4568	4814	5090	4387	4861	5374	5820	5395	5426	5977	6144	6631	6731	500
46W	24-LED	5366	5656	5980	5154	5712	6348	6840	6410	6417	7073	7272	7876	7995	600
54W	24-LED	6138	6470	6841	5895	6534	4862	7827	7408	7378	8137	8367	9099	9236	700
61W	24-LED	6887	7259	7677	6614	7331	8151	8783	8389	8308	9168	9429	10299	10455	800
36W	36-LED	4314	4546	4806	4144	4591	5101	5494	4960	5026	5532	5684	6100	6191	300
47W	36-LED	5609	5911	6249	5387	5969	6633	7145	6542	6606	7274	7475	8043	8164	400
58W	36-LED	6851	7220	7634	6581	7292	8140	8731	8093	8139	8966	9216	9947	10097	500
69W	36-LED	8049	8483	8970	7731	8568	9522	10260	9615	9626	10610	10908	11815	11992	600
80W	36-LED	9207	9705	10262	8843	9801	10895	11740	11112	11067	12205	12550	13648	13854	700
92W	36-LED	10330	10889	11515	9921	10997	12226	13175	12584	12462	13752	14143	15448	15682	800
97W	36-LED	10879	11468	12128	10448	11582	12877	13878	13311	13141	14507	14920	16337	16584	850

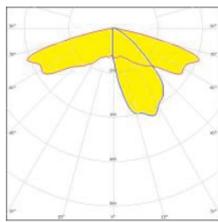
Luminous flux values shall be declared for ambient temperature 25°C. The class of modules used assumes 5% tolerance of the declared luminous flux value. The weight of the unit may slightly differ for individual production batches.

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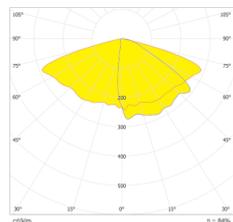
Available lenses - *Photometry (polar plot)* :



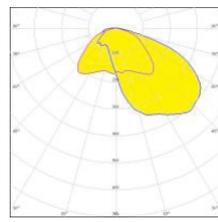
1. ME



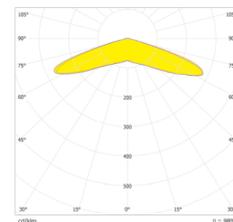
2. T2



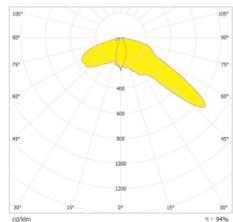
3. T3



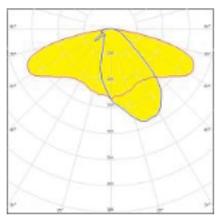
4. T4



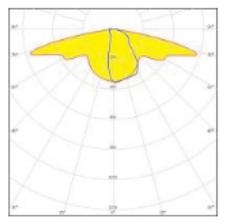
5. VSM



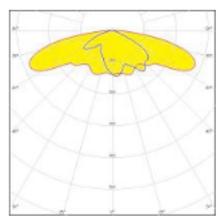
6. PX



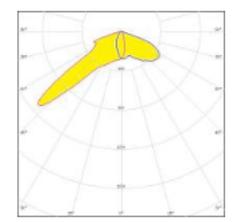
7. DWC



8. DWC-PC

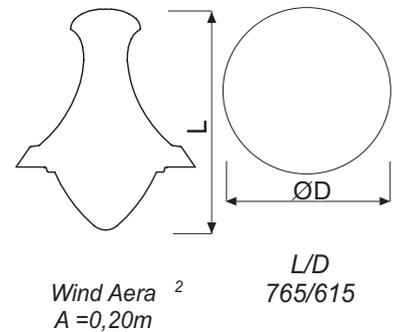
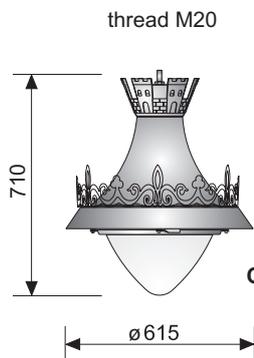
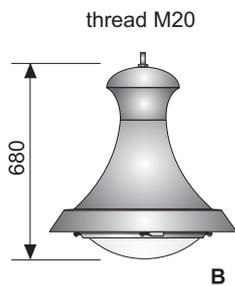
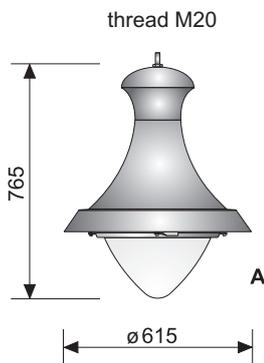


9. XW

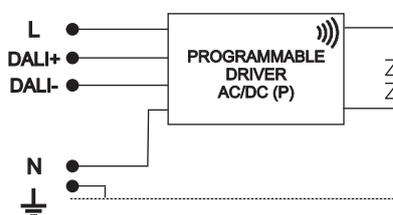


10. PXL

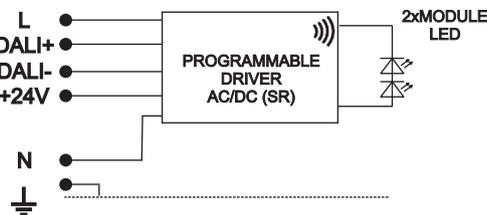
Versions/assembling:



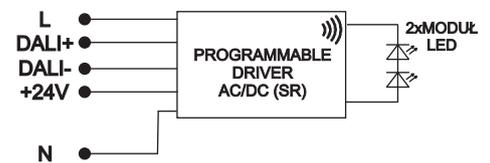
Electrical diagrams:



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



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



3. Light source LED (II Protective Class)
(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