F.P.H. Art Metal Sp.j.

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21 LEDA 12-LED





Construction:

The unit consist of a body (1). A shade (3) is mounted to the luminary body with a frame (2). A disk (5) separating electrical compartment from lighting compartment, is attached to a luminary body (2). A LED light sources radiator (6) is settled to the disk (5). LED modules (7) are mounted to the radiator (6) with a set of lenses, by screws. The modules are powered with a power supply (8).The luminary cover (4) is mounted to the luminary body (1) with a hinge and closed with a screw (10) so no additional tools are necessary.The luminary is sealed with a gasket (9) As an option, we equip the luminary with a ZHAGA socket (11).

Mounting instructions:

*) - Mount the shade (3) to the body (1) with a frame (2). Tighten mounting bolts.
*) - Screw the LED light sources(7) with a lenses to the radiator (6), mount a disk (5) to the body (1).
*) - Connect the electrical cables according to the scheme.
- Close the cover (4), screw the bolt (10) 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 ø45-ø90 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).

DANE TECHNICZNE:

- *Power:* ***~220-240V / 50-60Hz***
- *Ambient/work temperature :* ***-40ºC do +40ºC***
- *Protective class:* ***I*** *or* ***II***
- *Ingress protection code:* ***IP65***
- *Mechanical impact protection code:* ***IK09***
- *Surge protection:* ***to 10kV***
- *Life time:* ***L90, B10 >100 000h*** *(for G5)*
- *Controls method:* ***1-10V, DALI, Ampdim, Dynadimmer,***

as an option ***- socked ZHAGA with SR driver (D4i),***

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)			
21 L-13W	12-LED	1438	1516	1602	1653	1676	1844	1895	2034	2064	13	300	7,0
21 L-17W	12-LED	1870	1970	2083	2181	2202	2425	2492	2681	2721	17	400	7,0
21 L-21W	12-LED	2284	2407	2545	2698	2713	2989	3072	3316	3366	21	500	7,0
21 L-24W	12-LED	2683	2828	2990	3205	3209	3537	3636	3938	3998	24	600	7,0
21 L-28W	12-LED	3069	3235	3421	3704	3689	4069	4184	4550	4618	28	700	7,0
21 L-32W	12-LED	3444	3630	3839	4195	4154	4584	4715	5150	5228	61	800	7,0

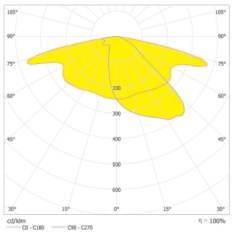
Luminous flux values shall be declared for ambient temperature 25ºC. The class of modules used assumes 5% tolerance of the declared luminous flux value. The weight of the unit may slightly differ for individual production batches.

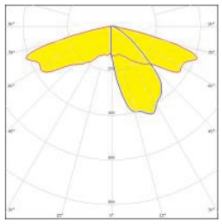
Last revision: 2026.11.04

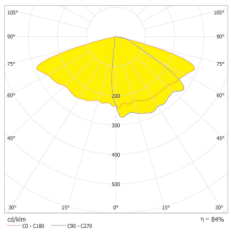
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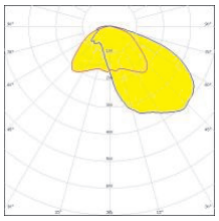
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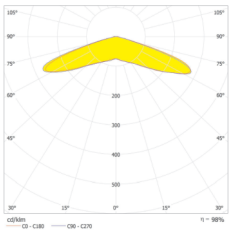
Available lenses - *Photometry (polar plot)* :

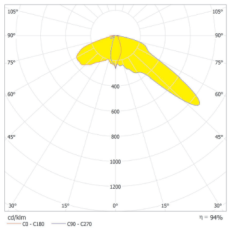

1. ME

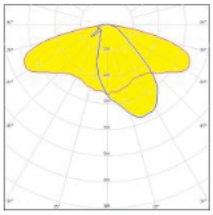

2.T2

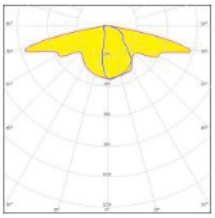

3.T3

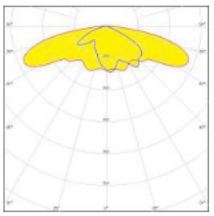

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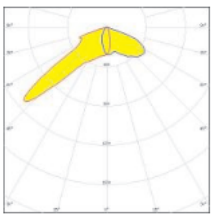

5. VSM


6.PX

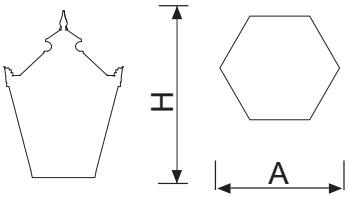

7.DWC


8.DWC-PC


9.XW


10.PXL

Luminaire dimensions

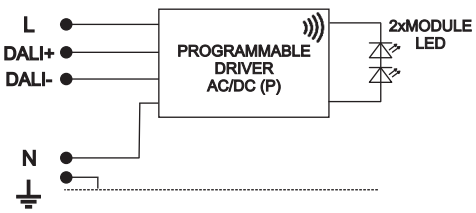


Wind area
A =0,12m²

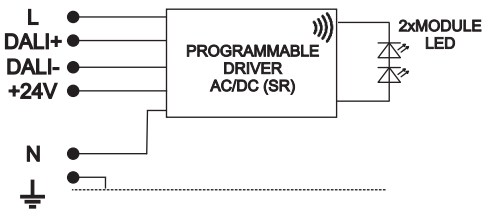
H/A
590/430



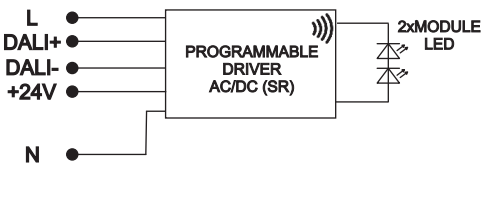
Electrical diagrams:



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

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