

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

Ul. Jabłoniowa 124, 83-331 Łapino Kartuskie, Poland
 Tel. 0048 58 681 80 78, Fax: 0048 58 681 80 64
 www.art-metal.pl e-mail: biuro@art-metal.pl

WR4 LED

Construction:

Luminary consists of 2 aluminum parts (1,2). A shade (4) is mounted to them with a adapters (3).LED module (5) is mounted to the upper body (1) and tightly closed with a lens (6). The luminary is mounted to the pole with a holdfast (set screw) (9).The lower part of the body (2) closes the lampshade of the luminaire (4) tightly by twisting with the fittings (3) by means of nuts (7). The power supply (8) is located at the bottom of the body (2), closed with a cover (9).The luminary is sealed with a gaskets. As an option, we equip the luminary with a ZHAGA socket (10)

Mounting instructions:

- *) - Attach the LED module (5) to the upper body(1). Close with lens (6).
- *) - Make connections of electrical installation.
- Through the lampshade(4) move the connectors (3) with the upper body(1) and connect it with the lower (2).
- Turn the whole with nuts (7) so that there is no slack left.
- Mount the power supply (8) to the bottom of the luminaire and close the cover (9).

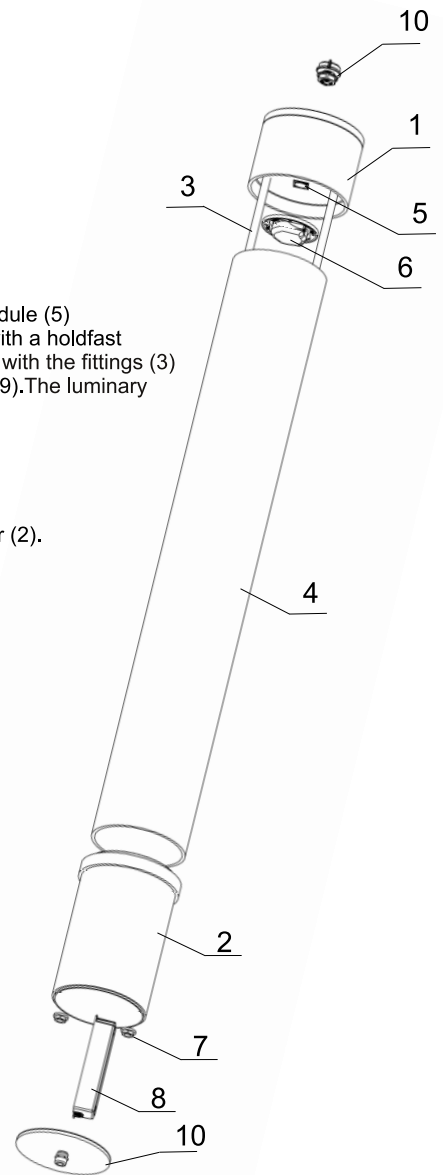
If any lantern elements are supplied factory-mounted, the mounting stages marked with *) should be omitted (as this has already been done by the manufacturer).

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: **L80, B10 >66 000h**
- Controls method: **1-10V, DALI, Ampdim, Dynadimmer,**
 as an option - **socketed ZHAGA with SR driver (D4i),**

Application:

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



Product equipped with a replaceable light source LED - options:

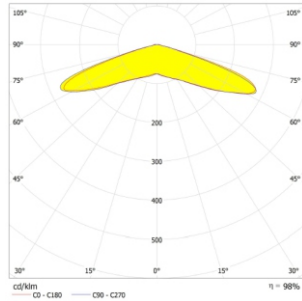
Symbol	Light source	Luminous flux [lm]			Pn [W]	If [mA]	Weight [kg]	Luminary dimensions	
		2700K (827)	3000K (830)	4000K (840)					
WR4L-22W	CMA2550	2881	2990	3170	22	600	6,6	<p>Wind area A = 0,19m²</p> <p>L/D 1120/160</p>	
WR4L-33W	CMA2550	4189	4286	4609	33	840	6,6		
WR4L-38W	CMA2550	4733	4842	5207	38	960	6,6		
WR4L-50W	CMA2550	5993	6131	6593	50	1250	6,6		
WR4L-58W	CMA2550	6740	6896	7415	58	1430	6,6		

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.

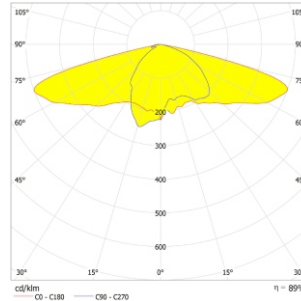


WR4 LED

Available lenses - Photometry (polar plot) :

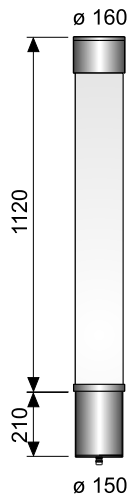


1. Basic lens VSM

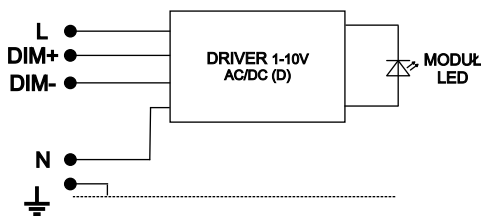


2. As an option lens DWC2

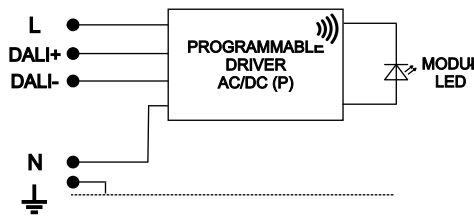
Versions/assembling:



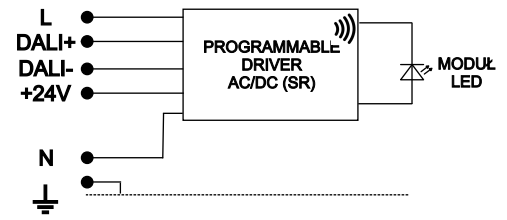
Electrical diagrams:



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



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



3. 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