



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

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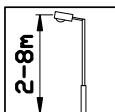
## 48 JULO 12-LED (I-Class)

~230V  
50Hz



IP66

IK10



10kV



### Technical data:

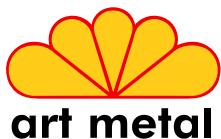
- Power: **~220-240V / 50-60Hz**
- Ambient/work temperature : **-40°C do +40°C**
- Protective class: **I**
- Ingress protection code: **IP66**
- Mechanical impact protection code: **IK10**
- Surge protection: **to 10kV**
- Life time: **L90, B10 >100 000h**
- Controls method: **1-10V, DALI, Ampdim, Dynadimmer,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

### 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)			
15 L-13W	12-LED	1438	1516	1602	1653	1676	1844	1895	2034	2064	13	300	4,0
15 L-17W	12-LED	1870	1970	2083	2181	2202	2425	2492	2681	2721	17	400	4,0
15 L-21W	12-LED	2284	2407	2545	2698	2713	2989	3072	3316	3366	21	500	4,0
15 L-24W	12-LED	2683	2828	2990	3205	3209	3537	3636	3938	3998	24	600	4,0
15 L-28W	12-LED	3069	3235	3421	3704	3689	4069	4184	4550	4618	28	700	4,0
15 L-32W	12-LED	3444	3630	3839	4195	4154	4584	4715	5150	5228	61	800	4,0

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.



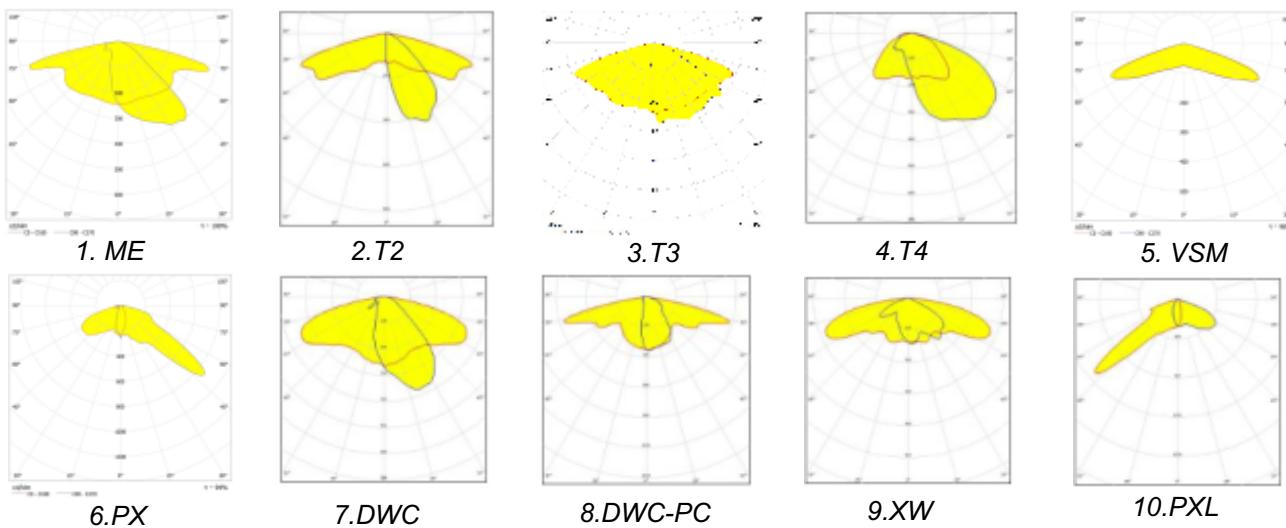


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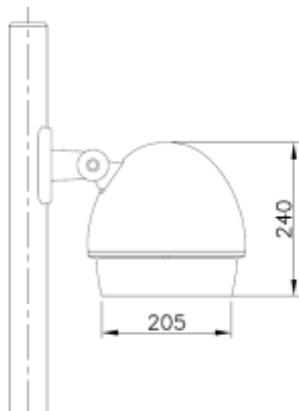
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## 48 JULO 12-LED (I-Class)

Available lenses - Light distribution curves (polar):



### Versions/assembling:



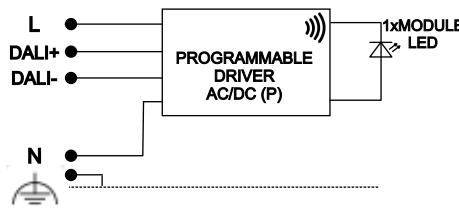
#### Construction:

The fixture is constructed of an aluminum body with an LED light source mounted inside using a mounting disc. A heat sink is attached to the disc. The LED module is attached to the heat sink and closed with a lens. The fixture is sealed with a glass shade with a gasket, using an aluminum frame and screws. The fixture is mounted to the arm using a bracket with adjustable tilt angle. Optionally, a ZHAGA socket can be installed in the fixture.

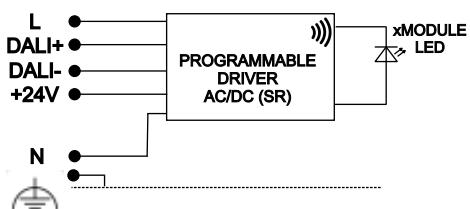
#### Mounting instructions:

- Install the LED light source by screwing it to the inner ring.
- Make the electrical connections according to the wiring diagram.
- Install the outer ring and gasket and secure with screws.

### Electrical diagrams:



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



2. Light source LED (Protection class I)  
(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

