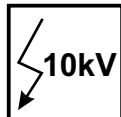
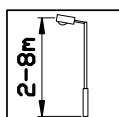


## 48 JULO 12-LED (I-Class)



### 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 - socked ZHAGA with SR driver (D4i),**



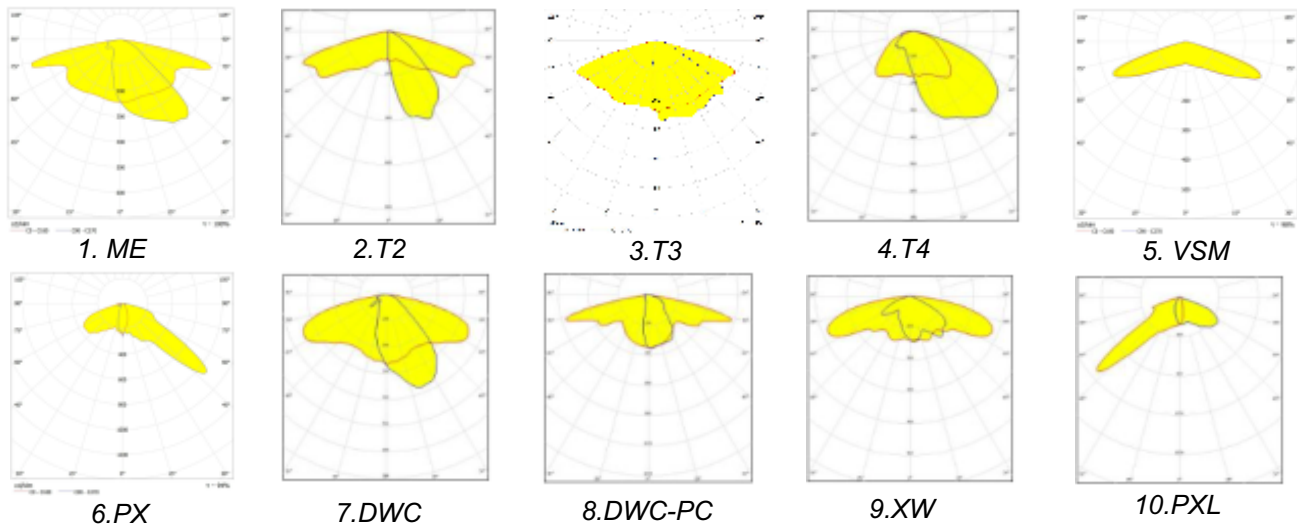
### Product equipped with a replaceable light source LED - options:

| 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) |        |         |             |
| 48 L-13W | 12-LED       | 1438                    | 1516        | 1602        | 1653                    | 1676        | 1844        | 1895        | 2034                     | 2064        | 13     | 300     | 4,0         |
| 48 L-17W | 12-LED       | 1870                    | 1970        | 2083        | 2181                    | 2202        | 2425        | 2492        | 2681                     | 2721        | 17     | 400     | 4,0         |
| 48 L-21W | 12-LED       | 2284                    | 2407        | 2545        | 2698                    | 2713        | 2989        | 3072        | 3316                     | 3366        | 21     | 500     | 4,0         |
| 48 L-24W | 12-LED       | 2683                    | 2828        | 2990        | 3205                    | 3209        | 3537        | 3636        | 3938                     | 3998        | 24     | 600     | 4,0         |
| 48 L-28W | 12-LED       | 3069                    | 3235        | 3421        | 3704                    | 3689        | 4069        | 4184        | 4550                     | 4618        | 28     | 700     | 4,0         |
| 48 L-32W | 12-LED       | 3444                    | 3630        | 3839        | 4195                    | 4154        | 4584        | 4715        | 5150                     | 5228        | 61     | 800     | 4,0         |

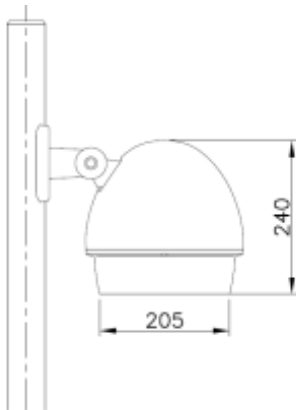
Luminous flux values shall be declared for ambient temperature 25°C. The class of modules used assumes 5% tolerance of the declared luminous flux value. The weight of the unit may slightly differ for individual production batches.

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

Available lenses - Light distribution curves (polar):



### Versions/assembling:



### Construction:

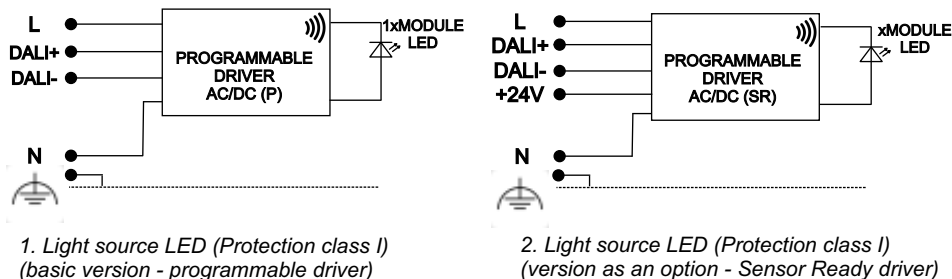
The fixture is constructed of an aluminum body with an LED light source mounted inside using a mounting disc. A heat sink is attached to the disc. The LED module is attached to the heat sink and closed with a lens. The module is powered by a voltage supply. The fixture is sealed with a glass shade with 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.

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).

### Electrical diagrams:



-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