

QUICK DEPLOYMENT TENT TIDRA SERIES

1.- UNIT PRESENTATION

Exceptional and difficult situations require special equipment that provides protection and makes the job easier.

The TIDRA Series are tents specifically designed for use in Rescue, Military and civil protection deployment and can be used in nearly any area of application thanks to their simple handling. **All parts used are produced in Europe.** The support structure of the TIDRA Tents comprises of reinforced round aluminum tubes with a diameter of 40 mm and robust aluminum die-cast connectors. The simple plug-in system ensures a quick and easy setup.

The standard covers are a cotton-polyester mix at 420 g/m² or PVC material at 620 g/m². The cotton polyester materials is highly effective with its breathable and the water-tight qualities that create an impenetrable moisture barrier.

Operating temperature: -40°C to +70°C

In the delivery of the equipment are included storage bags, tarps and small parts; The small dimensions facilitate the transportation of tents, even in difficult conditions.



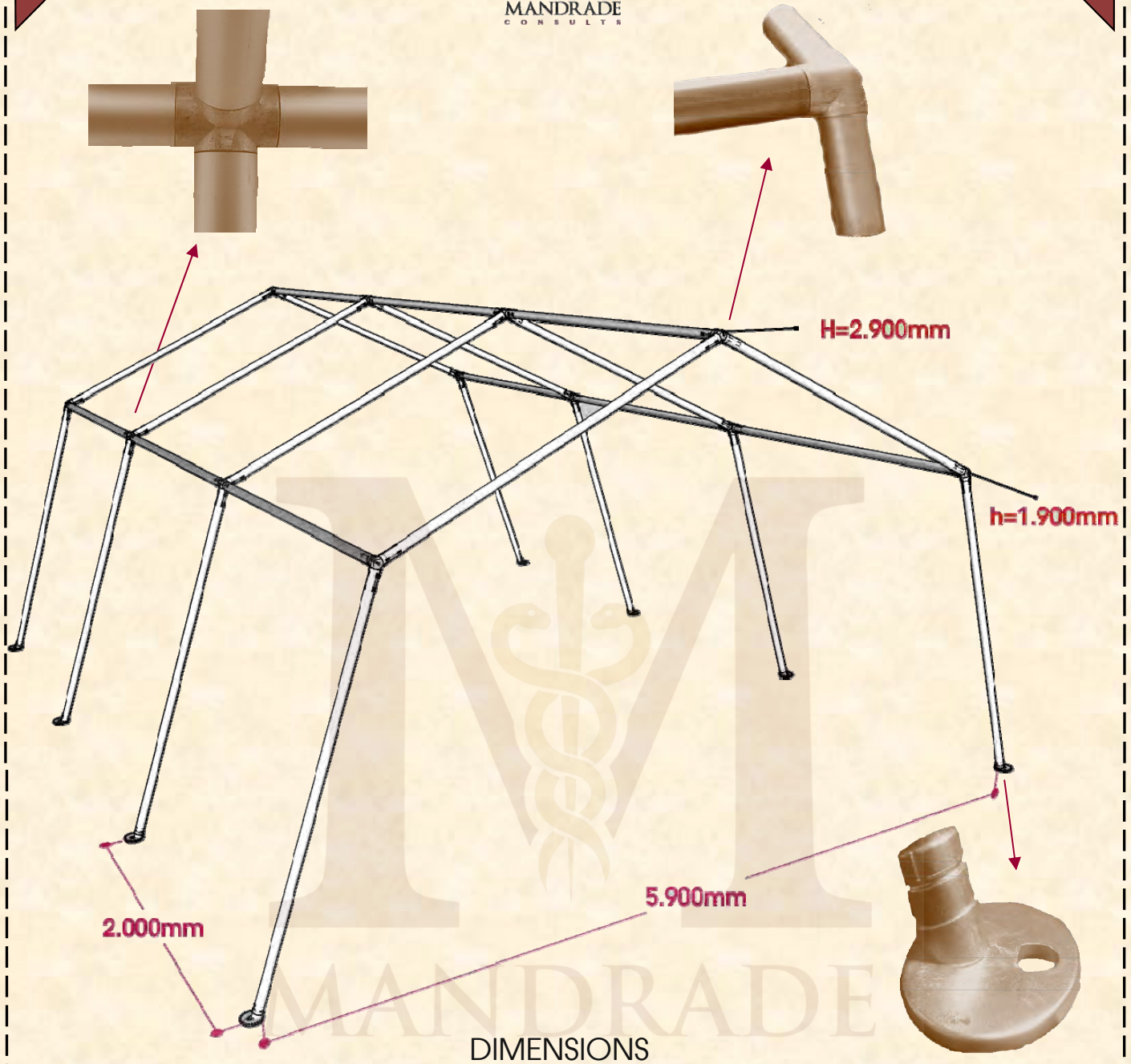
TIDRA-TENTS tents are used where a high reliability and resistance are required in harsh outdoor conditions. These special tents provide good protection, can be quickly mounted and dismantled and can be easily transported due to their relatively low weight and their modular design. In particular civil protection, intervention troops, military and humanitarian organizations rely on TIDRA-TENTS tents for their needs outdoors.



2– COMPOSITION OF TIDRA TENTS

2.1 – STRUCTURE

- Lightweight frame construction
- Minimum length: 4.00m (TIDRA 24) - Maximum length: 20.00m (2 x TIDRA60)
- Snow loading compliance: N/A
- Max allowed wind speed: DIN EN 13782: 60Km/h
- Frame in European hard pressed extruded Aluminium (EN AW-6005A T6) or Galvanized Steel (option).
- Main profiles:
 - 40/1.5mm Aluminium (standard).
 - 45/4.0mm Aluminium (Special rugged structure) (option).
 - 40/1,5mm Galvanized Steel (option).
- Connecting components: Cast aluminium couplings and Cast aluminium base plates.
- Included earth nails and storm wires.
- Earth nails made out of steel, length 30 cm
- Easy and fast set up, without any special setup tools

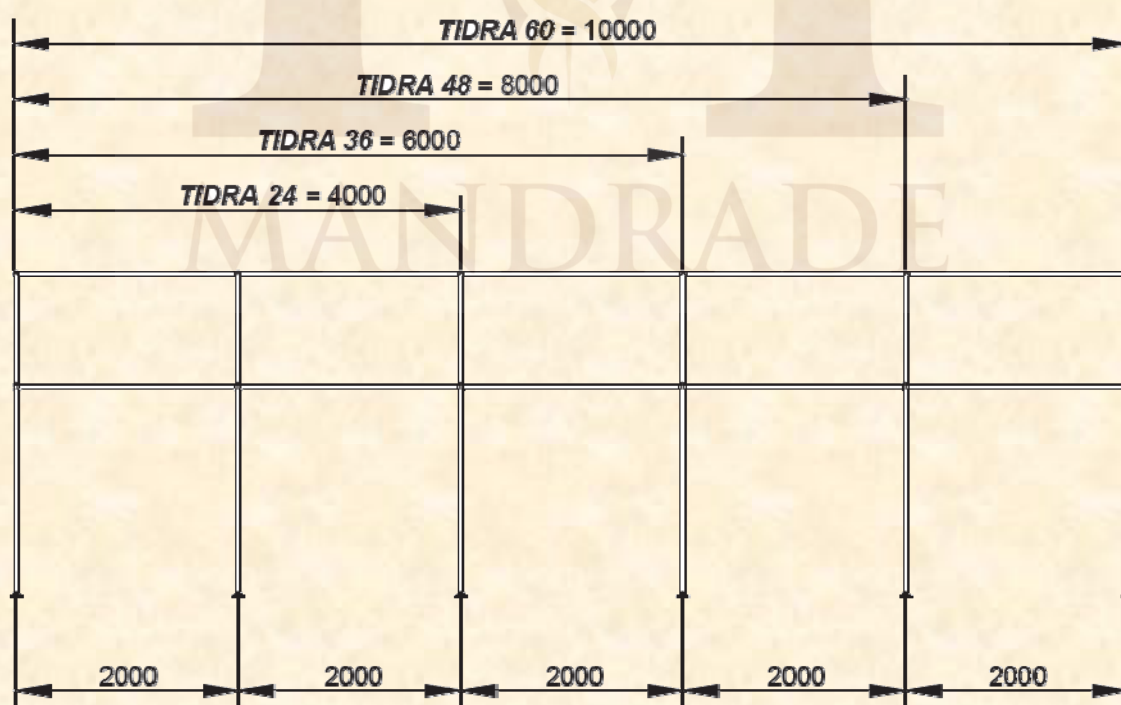
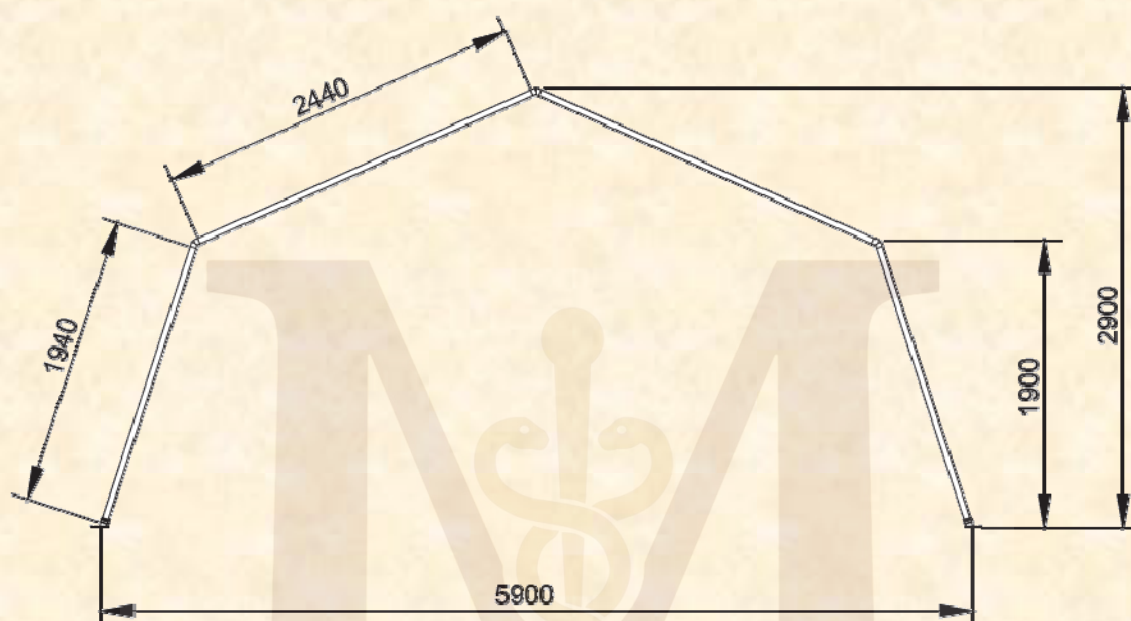


DIMENSIONS

WIDTH	5.900 mm
LATERAL HEIGHT	1.900 mm
MINIMUM LENGTH	4.000 mm
MAXIMUM LENGHT	20.000 mm (2 x 10.000mm)
MAXIMUM HIGHT	2.900mm
MODULABLE IN LENGTH BY GROUND	2.000 mm
ALLOWED WIND SPEED	60 km/h

TIDRA SERIES

TIDRA 24	TIDRA 36	TIDRA 48	TIDRA 60
5,9 x 4 m	5,9 x 6 m	5,9 x 8 m	5,9 x 10 m



It is possible to join 2 tents thanks to its modularity and by adding an union piece between them.

2.2 – TENT COVER

- Textile roof and wall covering:
 - 50% cotton / 50% polyester, aprox. 420g/m² supplied or
 - PVC 620gr/m²
- Breathable.
- Colour Natural or Military green
- Waterproof.
- Cover will be fixed into structure with straps.
- Entrance on each gable side. Standard opening with toggle fixing or rugged zipper.
- Roof cover with 2 windows with mosquito net and flap. (more windows can be quoted in **option**). Dimensions of the windows 60 cm x 40 cm.
- HVAC Duct 40cm diameter (**Option**) with inner sleeve and outer flap fixed with toggles.
- Mud flap fixed at covers end made out of PVC, colour grey.
- Transport bags for cover and structure.
- Textile roof and wall covering in PVC material at 620 g/m². (**option**)

Waterproof
Natural colour

Waterproof
Military green



2.3 – TRANSPORT

SMALL VOLUME of packaging (bags pack) included for structure, external cover and small parts (Connectors, steel pegs, storm wires, etc.) to ensure transport smoothly. This prolongs the life of TIDRA tents and ensures comfortable and fast logistics.



2.4.- VELUM-INNER COVER (OPTION)

Inner cover is 100% Polyester with a total weight of $130 \text{ gr/m}^2 \pm 20 \text{ gr}$.
The Velum set consist of roof , front and rear parts with doors and lateral parts
with Windows and HVAC duct.
Color: White. Washable. Drain stop function.



2.4.- PVC FLOORING (OPTION)

Flooring canvas is proposed in option. Fabrics with polyester weft, with PVC welded by induction and fire retardant. Weight = 620 gr/m^2 . Flooring fabrics with anti-UV, anti-rust and anti-saline treatment. They also carry an anti-dust treatment on its external face. Complete tightness, non-deformable and very resistant material.



GREY PVC FLOORING
 620 gr/m^2

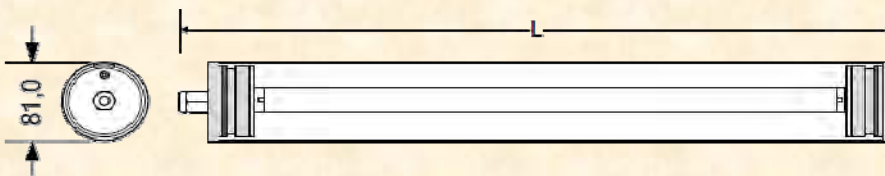
2.4.- ELECTRICAL KIT (OPTION)



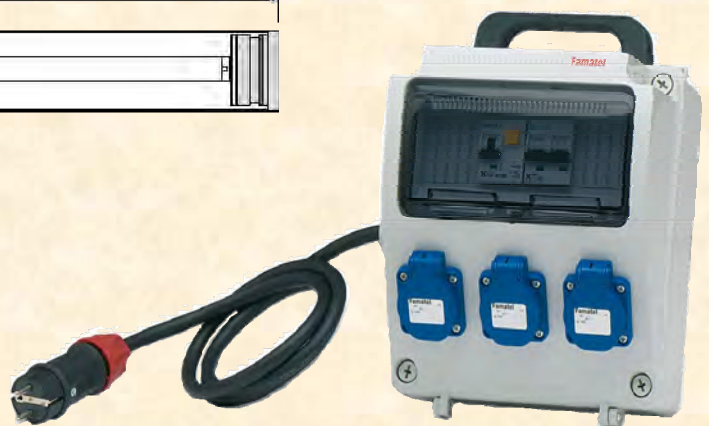
The number of lamps necessities will be calculated according the size of the tent, guaranteeing perfect and comfortable lighting in all cases.

CHARACTERISTICS

- Tubular watertight luminaire that offers high performance.
- IP67 water tightness and total protection against dust.
- 1 mm polycarbonate thickness and ABS terminals.
- Fixing flanges to facilitate the installer's assembly work.
- Quick connectors for very fast assembly.
- Lamps in series connection thanks to quick connectors kit.
- Suspension system with steel cables.
- Included its light source (fluorescent or LED tube).
- **Main electrical box** with all the security elements (differentials and magneto thermic protections).
- Included set of 3u. of 16A sockets to connect several devices.
- Range of use temperatures (from -20°C to +55°C) and saline environments.



LENGHT OF THE TUBE (mm)	L (mm)	D (mm)
600	713	81
1200	1323	81
1500	1628	81



2.4.- SOLAR LIGHTING KIT (OPTION)

In an environment of sustainability and respect for the environment, MANDRADE CONSULTS proposes a lighting kit powered by solar energy.

COMPOSITION

- SOLAR PANEL with enough capacity adapted according the tent size
- Floor stand with tilt adjustment
- Lamps LED according the size of the tent with interconnection cables
- Power Battery of 86AH
- SOLAR Charging regulator (10-20A), LCD screen, automatic voltage detection, PWM, inverse current and overvoltage protection, USB Ports.
- Transport case for all the elements.



The Solar lighting kit will be delivered with all the elements necessary for a PLUG and PLAY functioning



MANDRADE
CONSULTS

Quality Solutions Worldwide



MANDRADE CONSULTS S.L. – TORRE ARAGONIA , C/ Juan Pablo II, 35- 3ª Planta,
-50009-ZARAGOZA-(SPAIN)

T. (+34) 976 50 42 33; (+34) 633 30 55 71; Fax: (+34) 876 200 371

mail: mandrade@mandradeconsults.com - WEB: www.mandradeconsults.es