



# TF 200E NT Series

## *Non-turnable light-weight mast lighting systems*

Teklite TF 200E NT lighting system with non-turnable air-operated telescopic mast, keyed mast sections, internal spiral cable and lamps either 12/24 volt powered by the vehicle battery or 110/230 volt generator powered.


The Teklite TF 200E NT series of mast lighting systems are especially designed for 360° all-round lighting applications. Ideal for fitting to small fire vehicles.



**MOBILE LIGHTING SYSTEMS**

# Mast specifications

## Technical details



**1** Mast top assembly with 2 x PG11 & 1 x PG9 cable gland and 8 mm top flange fitted to keyed mast sections

**2** Standard natural clear anodised seamless drawn aluminium mast sections with 64 mm base tube

**3** Fixed mast base with air connection and overpressure/drain valve

**4** Standard pre-mounted and connected warning switch

**5** Rubber protection rings, shock-absorbing

**6** Power supply cable (5 metres) with numbered wires for lamp/beacon connection  
Internal cable : 3 x 1.5 + 4 x 0.75mm<sup>2</sup>

## TF 200E NT Series mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Max. headload (120 km/h) Weight / Wind surface	Weight of mast
<b>3 SECTION MASTS</b>					
<b>TF 228E NT/3</b>	25452	1320 mm	2890 mm	20 kg / 0,20 m <sup>2</sup>	7,5 kg
<b>TF 232E NT/3</b>	25453	1450 mm	3230 mm	20 kg / 0,20 m <sup>2</sup>	8,0 kg
<b>TF 235E NT/3</b>	25454	1650 mm	3590 mm	20 kg / 0,15 m <sup>2</sup>	8,7 kg
<b>TF 245E NT/3</b>	25455	1970 mm	4470 mm	20 kg / 0,10 m <sup>2</sup>	10,0 kg

## Mast mounting

These mast fittings are available for mounting the mast inside or outside the body of the vehicle.

### External mounting



**Upper Mounting Bracket**

Cat. No. 25851-SG



**Lower Mounting Bracket**

Cat. No. 16634-SG

### Internal mounting



**Roof Bearing**

Cat. No. 27621-SG

# Lamp choice

## All-round lamp unit, 3 lamps mounted above plate \*

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
26950	3 x 500 Watt Halogen*	230V AC	28.500	6,1 kg	0,10 m <sup>2</sup>
50451	3 x 50 Watt LED	24V DC	20.100	5,8 kg	0,06 m <sup>2</sup>
52309-3	3 x 50 Watt LED	24V DC	25.500	6,7 kg	0,07 m <sup>2</sup>
52590-3	3 x 50 Watt LED	110-230V AC	25.500	8,9 kg	0,07 m <sup>2</sup>



## All-round lamp unit, 3 lamps mounted below plate \*

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
27040-3	3 x 500 Watt Halogen*	230V AC	28.500	9,0 kg	0,11 m <sup>2</sup>
50453-3	3 x 50 Watt LED	24V DC	20.100	9,6 kg	0,07 m <sup>2</sup>
52593-3	3 x 50 Watt LED	24V DC	25.500	9,7 kg	0,09 m <sup>2</sup>
52594-3	3 x 50 Watt LED	110-230V AC	25.500	11,8 kg	0,09 m <sup>2</sup>



## All-round lamp unit, 4 lamps mounted above plate \*

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
27135	4 x 500 Watt Halogen*	230V AC	38.000	7,5 kg	0,09 m <sup>2</sup>
52595-3	4 x 30 Watt LED	12-24V DC	12.800	3,7 kg	0,05 m <sup>2</sup>
52596-3	4 x 45 Watt LED	24V DC	19.200	3,7 kg	0,05 m <sup>2</sup>
50259	4 x 50 Watt LED	24V DC	26.800	8,4 kg	0,06 m <sup>2</sup>
52597-3	4 x 50 Watt LED	24V DC	34.000	8,5 kg	0,06 m <sup>2</sup>
52598-3	4 x 50 Watt LED	110-230V AC	34.000	11,4 kg	0,06 m <sup>2</sup>



## All-round lamp unit, 4 lamps mounted below plate \*

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
27235-3	4 x 500 Watt Halogen*	230V AC	38.000	10,6 kg	0,10 m <sup>2</sup>
52599-3	4 x 30 Watt LED	12-24V DC	12.800	4,6 kg	0,14 m <sup>2</sup>
52600-3	4 x 45 Watt LED	24V DC	19.200	4,6 kg	0,05 m <sup>2</sup>
27206-3	4 x 50 Watt LED	24V DC	26.800	11,6 kg	0,07 m <sup>2</sup>
52601-3	4 x 50 Watt LED	24V DC	34.000	11,6 kg	0,07 m <sup>2</sup>
52602-3	4 x 50 Watt LED	110-230V AC	34.000	14,5 kg	0,11 m <sup>2</sup>



## All-round lamp unit, 6 lamps mounted above plate

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
52588-3	6 x 30 Watt LED	24V DC	19.200	4,4 kg	0,05 m <sup>2</sup>



## All-round lamp unit, 6 lamps mounted below plate \*

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
52591-3	6 x 30 Watt LED	24V DC	19.200	7,7 kg	0,05 m <sup>2</sup>

Other lamp units available on request.

\* Lamp unit available with beacon & bracket (option). Put a "B" after the lamp unit cat. no. for ordering purposes.

\* Lamp unit available with lamp protection guard (option). Put a "P" after the lamp unit cat. no. for ordering purposes. Also available in 110V AC version.

# Air supply for mast extension

The air pressure for mast extension may be provided by a battery powered compressor, the vehicle air pressure system or even a handpump.

## Using the vehicle battery power



### “TekAir” Compressor Model 40/50

#### IMPORTANT NOTE :

All our compressors are supplied with a NO (normal open) valve. They need permanent current during operation of the mast lighting system. However, when there are applications where there is no permanent current available (e.g. mast fitted to a standalone container), apply for a compressor with a NC valve.

#### Models with NO Valve

“TekAir” Compressor Model 40/50, 12 volt	Cat. No. 33640
“TekAir” Compressor Model 40/50, 24 volt	Cat. No. 33642

#### Models with NO Valve and Deadman Function

“TekAir” Compressor Model 40/50, 12 volt	Cat. No. 33641
“TekAir” Compressor Model 40/50, 24 volt	Cat. No. 33643



### Remote Control for “TekAir” Compressor Model 40/50

The complete remote control set is delivered with 5 metre cable and connection plug.

#### Models

Model 12 volt	Cat. No. 25798
Model 24 volt	Cat. No. 25799

#### Models with Deadman Function

Model 12 volt	Cat. No. 25220
Model 24 volt	Cat. No. 25221

Note : For more air supply options see the TekAir leaflet.

## Using the vehicle air pressure system



### Air Pressure Control Unit

Combined unit consisting of manometer, pressure regulator and control handle.

#### Models

AP Control Unit	Cat. No. 25218
AP Control Unit with Deadman Function	Cat. No. 25219

## Using a handpump



### Handpump

Cat. No. 9256-SS



### Twin Clamp Ø 2 1/2”

Cat. No. 25590-SS

For mounting the handpump to the mast.



### Pump Wall Mounting Bracket Set

Cat. No. 25591-SS

For mounting the handpump to the wall or vehicle body.

**Air Hose 8mm** (not shown) Cat. No. B9189

**Hose Clip** (not shown) Cat. No. B9190



All details given in this publication are approximate and may be subject to change without notice.

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