



# TF 300E T Series with tilt unit

*Turnable middle-range mast lighting systems with tilt unit*

Teklite TF 300E T lighting system with turnable air-operated telescopic mast, keyed mast sections, tilt unit, internal spiral cable and lamps either 12/24 volt powered by the vehicle battery or 110/230 volt generator powered.



The Teklite TF 300E T series of mast lighting systems with tilt unit are especially designed for directional lighting applications where the angle of elevation of the floodlights can be remotely adjusted. Ideal for fitting to medium size fire vehicles. Teklite TF 300E T series combines high quality lighting performance with reasonable costs.

**MOBIL, PORTABLE & EMERGENCY LIGHTING**

# Mast specifications

## Technical details

**1** Mast top assembly with 1 x PG9, 1 x PG11, 1 x PG13,5 cable gland and 8 mm top flange fitted to keyed mast sections

**2** Standard natural clear anodised seamless drawn aluminium mast sections with 80 mm base tube and swivel rotation handle

**3** 360° turnable cardan mast base with air connection, overpressure/drain valve and rotation brake

**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/tilt unit connection

## TF 300E T Series mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Internal cable	Weight of mast
<b>3 SECTION MASTS</b>					
<b>TF 326E T/3</b>	25486	1225 mm	2630 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	11,0 kg
<b>TF 335E T/3</b>	25487	1575 mm	3530 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	12,0 kg
<b>TF 340E T/3</b>	25488	1730 mm	3930 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	12,5 kg
<b>TF 350E T/3</b>	25489	2105 mm	4900 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	15,0 kg
<b>4 SECTION MASTS</b>					
<b>TF 335E T/4</b>	25641	1370 mm	3470 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	11,8 kg
<b>TF 340E T/4</b>	25642	1495 mm	3970 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	12,3 kg
<b>TF 347E T/4</b>	25645	1670 mm	4750 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	14,4 kg
<b>TF 350E T/4</b>	25643	1785 mm	4950 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	15,1 kg
<b>TF 355E T/4</b>	25644	1910 mm	5450 mm	9 x 1.5 + 4 x 0.75 mm <sup>2</sup>	16,0 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. 16681/SG



**Lower Mounting Bracket**

Cat. No. 16686/SG

### Internal mounting



**Roof Bearing**

Cat. No. 25803/SG

# Lamp choice

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

\* Lamp & tilt unit combination available with lamp protection guard (option). Put a "P" after the lamp unit cat. no. for ordering purposes.

## Double lamp unit, 2 lamps mounted on tilt unit

Cat. No.	Model	Volt	Amps	Lumens
25273/T	2 x 70 Watt HP Sodium**	12	12,5	13.000
25274/T	2 x 70 Watt HP Sodium**	24	7,0	13.000
25275/T	2 x 70 Watt Metal Halide**	12	13,0	10.000
25276/T	2 x 70 Watt Metal Halide**	24	7,4	10.000
27280/T	1 x 70 Watt HP Sodium + 1 x 70 Watt Metal Halide**	12	12,8	11.500
27285/T	1 x 70 Watt HP Sodium + 1 x 70 Watt Metal Halide**	24	7,2	11.500
27290/T	2 x 35 Watt Xenarc*	12	5,9	7.000
25268/T	2 x 35 Watt Xenarc*	24	3,0	7.000
25277/T	2 x 100 Watt Xenon**	12	16,7	7.200
25278/T	2 x 150 Watt Xenon**	24	12,5	12.000
27295/T	2 x 200 Watt Xenon**	12	33,4	14.400
27300/T	2 x 300 Watt Xenon**	24	25,0	24.000
25279/T	2 x 500 Watt Halogen**	230	4,4	19.000
27301/T	2 x 750 Watt Halogen**	230	6,5	33.000
25280/T	2 x 1000 Watt Halogen**	230	8,7	44.000
27305/T	2 x 150 Watt Metal Halide* + DC-DC Power Converter	12	25,0	22.500
27310/T	2 x 150 Watt Metal Halide*	24	12,5	22.500
35911/T	2 x 50 Watt SMD-LED**	12	10,6	10.000
35916/T	2 x 50 Watt SMD-LED**	24	4,8	10.000



## Quadruple lamp unit, 4 lamps mounted on tilt unit

Cat. No.	Model	Volt	Amps	Lumens
27360/T	4 x 35 Watt Xenarc* + DC-DC Power Converter	12	11,7	14.000
25269/T	4 x 35 Watt Xenarc*	24	5,9	14.000
25515/T	4 x 100 Watt Xenon**	12	33,4	14.400
25281/T	4 x 150 Watt Xenon**	24	25,0	24.000
27365/T	4 x 300 Watt Xenon*	24	50,0	48.000
25282/T	4 x 500 Watt Halogen**	230	8,7	38.000
35921/T	4 x 50 Watt SMD-LED**	12	21,2	20.000
35926/T	4 x 50 Watt SMD-LED**	24	9,6	20.000



# Air supply for mast extension

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

## Using the vehicle battery power



### 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

Model 40/50, 12 volt	Cat. No. 33640
Model 40/50, 24 volt	Cat. No. 33642

#### Models with NO Valve and Deadman Function

Model 40/50, 12 volt	Cat. No. 33641
Model 40/50, 24 volt	Cat. No. 33643



### Remote Control for Model 40/50 Compressor

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

## 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

# Tilt Unit with remote control



### Horizontal Tilt Unit Models

Model 12 volt	Cat. No. 27405
Model 24 volt	Cat. No. 27406

Tilting angle : 110°



### Tilt Unit Remote Control

Model 12/24 volt	Cat. No. 27413
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### Vertical Tilt Unit Models

Model 12 volt	Cat. No. 27407
Model 24 volt	Cat. No. 27408

Tilting angle : 110°

#### NOTE :

Combined remote control for compressor & tilt unit is available on request.



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

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