TF 400E T Series with tilt unit

Turnable heavy-duty mast lighting systems with tilt unit

Teklite TF 400E 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 400E 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 or heavy fire vehicles.

Mast specifications

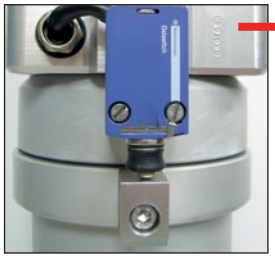
Technical details

1. Mast top assembly with 4 x PG13,5 cable gland fitted to keyed mast sections

2. Standard natural clear anodised seamless drawn aluminium mast sections with 114 mm base tube and mast 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. Mast top shroud to protect the keyed mast sections

6. Power supply cable (5 metres) with numbered wires for lamp/beacon/tilt unit connection

TF 400E T Series mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Internal cable	Weight of mast
4 SECTION MASTS *					
TF 432E T/4	25835	1230 mm	3140 mm	9 x 1.5 + 4 x 0.75 mm²	21,0 kg
TF 440E T/4	25836	1480 mm	4050 mm	9 x 1.5 + 4 x 0.75 mm²	23,5 kg
TF 445E T/4	25837	1660 mm	4700 mm	9 x 1.5 + 4 x 0.75 mm²	25,5 kg
TF 453E T/4	25838	1830 mm	5395 mm	9 x 1.5 + 4 x 0.75 mm²	29,0 kg
TF 460E T/4	25839	2030 mm	6000 mm	9 x 1.5 + 4 x 0.75 mm²	31,0 kg
5 SECTION MASTS					
TF 432E T/5	25778	1025 mm	3100 mm	9 x 1.5 + 4 x 0.75 mm²	22,0 kg
TF 440E T/5	25779	1275 mm	4000 mm	9 x 1.5 + 4 x 0.75 mm²	24,0 kg
TF 445E T/5	25780	1445 mm	4600 mm	9 x 1.5 + 4 x 0.75 mm²	26,0 kg
TF 453E T/5	25781	1670 mm	5300 mm	9 x 1.5 + 4 x 0.75 mm²	30,0 kg
TF 460E T/5	25782	1820 mm	5950 mm	9 x 1.5 + 4 x 0.75 mm²	32,0 kg
TF 470E T/5	25784	2000 mm	7000 mm	9 x 1.5 + 4 x 0.75 mm²	33,0 kg

* All 4 section masts can be equipped with a S-STP/micro coax cable, suitable for video & audio applications.

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. 14049/SG

Lower Mounting Bracket

Cat. No. 14050/SG

Internal mounting

Roof Bearing

Cat. No. 14048/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	Ampere	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 HPS +1 x 70 Watt MH**	12	12,8	11.500
27285/T	1 x 70 Watt HPS +1 x 70 Watt MH**	24	7,2	11.500
27290/T	2 x 35 Watt Xenon*	12	5,9	7.000
25268/T	2 x 35 Watt Xenon*	24	3,0	7.000
25277/T	2 x 100 Watt Xenophot**	12	16,7	7.200
25278/T	2 x 150 Watt Xenophot**	24	12,5	12.000
27295/T	2 x 200 Watt Xenophot**	12	33,4	14.400
27300/T	2 x 300 Watt Xenophot**	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
25860/T	2 x 1500 Watt Halogen**	230	13,0	72.000
25108/T	2 x 250 Watt HP Sodium*	24	23,0	54.000
27315/T	2 x 400 Watt HP Sodium**	230	9,0	110.000
27320/T	2 x 400 Watt Metal Halide**	230	9,0	66.000
27325/T	1 x 400 Watt HPS + 1 x 400 Watt MH**	230	9,0	88.000
35911/T	2 x 55 Watt SMD-LED**	12	10,6	11.000
35916/T	2 x 55 Watt SMD-LED**	24	4,8	11.000

Model 2 x 70 Watt Metal Halide *

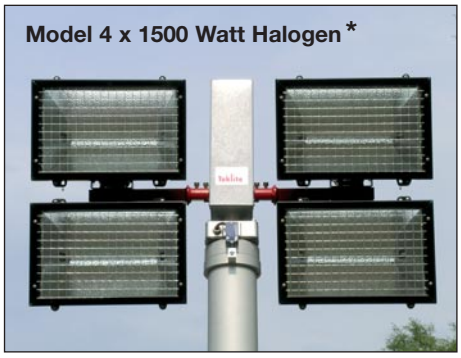
Model 2 x 250 Watt HPS

Quadruple lamp unit, 4 lamps mounted on tilt unit

Cat. No.	Model	Volt	Ampere	Lumens
27330/T	4 x 70 Watt HP Sodium*	12	25,0	26.000
27335/T	4 x 70 Watt HP Sodium**	24	14,0	26.000
27340/T	4 x 70 Watt Metal Halide*	12	26,0	20.000
27345/T	4 x 70 Watt Metal Halide**	24	14,8	20.000
27350/T	2 x 70 Watt HPS +2 x 70 Watt MH*	12	25,6	23.000
27355/T	2 x 70 Watt HPS +2 x 70 Watt MH**	24	14,4	23.000
27360/T	4 x 35 Watt Xenon* + Converter	12	11,7	14.000
25269/T	4 x 35 Watt Xenon*	24	5,9	14.000
25515/T	4 x 100 Watt Xenophot**	12	33,4	14.400
25281/T	4 x 150 Watt Xenophot**	24	25,0	24.000
27365/T	4 x 300 Watt Xenophot*	24	50,0	48.000
25282/T	4 x 500 Watt Halogen**	230	8,7	38.000
27366/T	4 x 750 Watt Halogen**	230	13,0	66.000
25283/T	4 x 1000 Watt Halogen**	230	17,4	88.000
25861/T	4 x 1500 Watt Halogen**	230	26,2	144.000
27375/T	4 x 250 Watt HP Sodium	24	46,0	108.000
27380/T	4 x 400 Watt HP Sodium**	230	18,0	220.000
27385/T	4 x 400 Watt Metal Halide**	230	18,0	132.000
27390/T	2 x 400 Watt HPS + 2 x 400 Watt MH**	230	18,0	176.000
35921/T	4 x 55 Watt SMD-LED**	12	21,2	22.000
35926/T	4 x 55 Watt SMD-LED**	24	9,6	22.000

Model 4 x 35 Watt Xenon *

Model 4 x 1500 Watt Halogen *



Hextuple lamp unit, 6 lamps mounted on tilt unit

Cat. No.	Model	Volt	Ampere	Lumens
33425/T	6 x 35 Watt Xenon*	24	9,0	21.000
33435/T	6 x 500 Watt Halogen**	230	13,0	57.000
33440/T	6 x 750 Watt Halogen**	230	19,6	99.000
33445/T	6 x 1000 Watt Halogen**	230	26,0	132.000
35931/T	6 x 55 Watt SMD-LED**	12	31,8	33.000
35936/T	6 x 55 Watt SMD-LED**	24	14,4	33.000

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

"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

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. 27409
Model 24 volt	Cat. No. 27410

Tilting angle : 110°

Tilt Unit Remote Control

Model 12/24 volt	Cat. No. 27413

Vertical Tilt Unit Models

Model 12 volt	Cat. No. 27411
Model 24 volt	Cat. No. 27412

Tilting angle : 110°

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

Teklite™

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

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