



# TF 400XE - "GME-Motion" Basic Light Robot Series

## *Heavy-duty mast robot lighting systems*

Completely remote controlled lighting system for TF 400XE series of masts.

### *Light Robot's features*

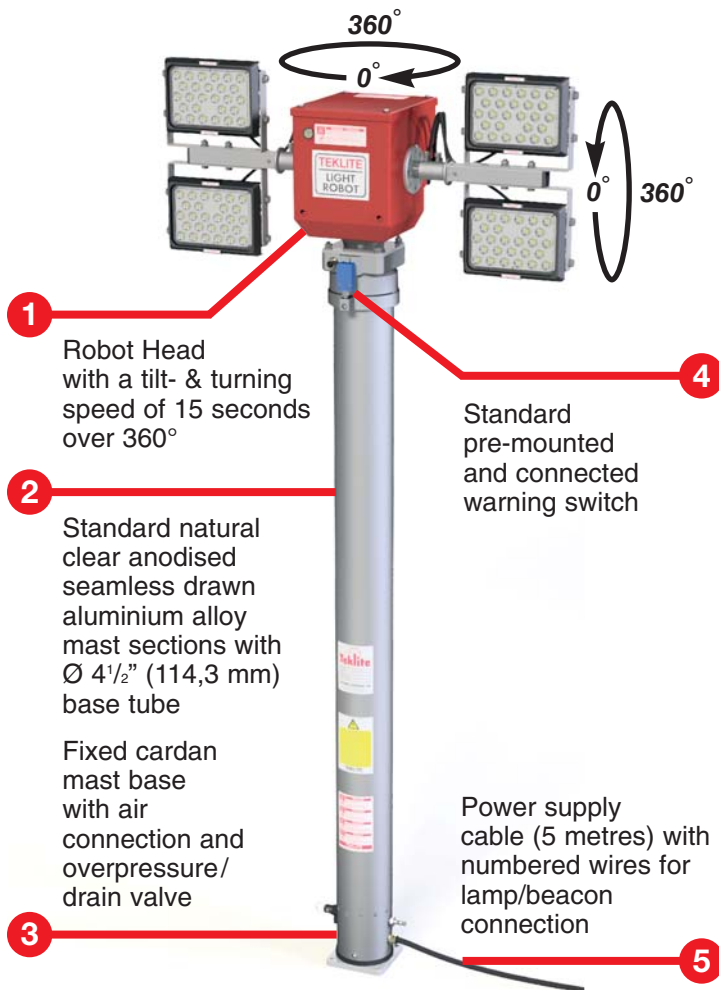
- *Choice of different lamp types*
- *Compact construction*
- *Easy to install*
- *Simple to use*



**MOBILE LIGHTING SYSTEMS**

# Mast specifications

## Technical details



## Features

- Electric system powered from the 12/24 volt vehicle battery and controlled by cable remote control.
- It is possible to operate the mast robot lighting system with a single or double cable remote control, with or without RF remote control.
- When the operation is over, a simple push of the button "mast down/park" turns the lamps to the stowage position and retracts the mast. This cycle may also be automatically started by the release of the vehicle handbrake.
- Air-operated telescopic mast based on proven TF 400 Series.
- Robot lighting head tilts 360° downwards in only one direction starting from zero position. The robot head turns also 360° to the right in only one direction starting from zero position, at the touch of a button.
- Lamps can be either 12/24 volt or 110/230 volt if there is a generator on board.
- All Mast Robot Lighting Systems are also available with deadman function for the push button "mast up/raise". Put "DF" after the **control/junction unit cat. no.** for ordering purposes.
- Fire CAN & CAN Open Interfaces available on request.
- The telescopic mast of the mast robot lighting system can be fed either by a TekAir compressor or the air pressure tank of the vehicle.

## Cable Remote Control functions



### Cable Remote Control-YH

- Unlock button (only on LVG version)
- Extend the mast
- Switch the lighting "on" and "off", left (lights 1) and right (lights 2)
- Beacon switch
- Turn and tilt the lamps in any direction
- Automatic return to the retracted position

### Cable Remote Control-LVG



(Optional)  
RF Remote Control Kit

## 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. 50329-SG



#### Lower Mounting Bracket

Cat. No. 50554

### Internal mounting



#### Roof Bearing

Cat. No. 27624-SG

# Mast models

## TF 400XE mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Max. headload (120 km/h) Weight / Wind surface	Weight of mast
<b>4 SECTION MASTS*</b>					
TF 428XE/4	53014	1155 mm	2795 mm	55 kg / 1,00 m <sup>2</sup>	17,5 kg
TF 432XE/4	52743	1230 mm	3140 mm	55 kg / 1,00 m <sup>2</sup>	18,7 kg
TF 440XE/4	52744	1480 mm	4050 mm	55 kg / 0,80 m <sup>2</sup>	20,6 kg
TF 445XE/4	52745	1660 mm	4700 mm	55 kg / 0,70 m <sup>2</sup>	22,6 kg
TF 453XE/4	52746	1830 mm	5395 mm	55 kg / 0,60 m <sup>2</sup>	24,8 kg
TF 460XE/4	52747	2030 mm	6000 mm	55 kg / 0,50 m <sup>2</sup>	27,1 kg
<b>5 SECTION MASTS</b>					
TF 432XE/5	52751	1025 mm	3100 mm	40 kg / 1,00 m <sup>2</sup>	17,7 kg
TF 440XE/5	52752	1275 mm	4000 mm	40 kg / 0,80 m <sup>2</sup>	20,3 kg
TF 445XE/5	52753	1445 mm	4600 mm	40 kg / 0,70 m <sup>2</sup>	22,2 kg
TF 450XE/5	52754	1500 mm	5000 mm	40 kg / 0,60 m <sup>2</sup>	23,8 kg
TF 453XE/5	52755	1670 mm	5300 mm	40 kg / 0,50 m <sup>2</sup>	24,3 kg
TF 458XE/5	53015	1750 mm	5800 mm	40 kg / 0,45 m <sup>2</sup>	25,9 kg
TF 460XE/5	52756	1820 mm	5950 mm	40 kg / 0,40 m <sup>2</sup>	26,4 kg
TF 467XE/5	52757	1930 mm	6700 mm	40 kg / 0,40 m <sup>2</sup>	28,5 kg
TF 470XE/5	52758	2000 mm	7025 mm	40 kg / 0,40 m <sup>2</sup>	29,4 kg

\* All 4 section masts can be equipped with a data cable (Cat 5E/micro coax), suitable for video & audio applications.

## Lamp choice

### Set of 2 lamps mounted on Robot Head "GME-Motion"

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
27301	2 x 750 Watt Halogen *	230V AC	33.750	7,6 kg	0,17 m <sup>2</sup>
25280	2 x 1000 Watt Halogen *	230V AC	44.000	7,6 kg	0,17 m <sup>2</sup>
25860	2 x 1500 Watt Halogen *	230V AC	66.000	9,6 kg	0,20 m <sup>2</sup>
51787	2 x 100 Watt LED	24V DC	42.000	8,5 kg	0,15 m <sup>2</sup>
51788	2 x 100 Watt LED	110-230V AC	42.000	10,8 kg	0,15 m <sup>2</sup>
53535	2 x 225 Watt LED	24V DC	50.000	11,2 kg	0,12 m <sup>2</sup>
52995	2 x 300 Watt LED	110-230V AC	90.000	14,7 kg	0,20 m <sup>2</sup>



### Set of 4 lamps mounted on Robot Head "GME-Motion"

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
25282	4 x 500 Watt Halogen *	230V AC	38.000	6,9 kg	0,13 m <sup>2</sup>
27366	4 x 750 Watt Halogen *	230V AC	67.500	12,5 kg	0,30 m <sup>2</sup>
25283	4 x 1000 Watt Halogen *	230V AC	88.000	12,5 kg	0,30 m <sup>2</sup>
25861	4 x 1500 Watt Halogen *	230V AC	132.000	15,3 kg	0,37 m <sup>2</sup>
51983	4 x 50 Watt LED	12-24V DC	34.000	8,0 kg	0,13 m <sup>2</sup>
52704	4 x 50 Watt LED	110-230V AC	34.000	10,9 kg	0,13 m <sup>2</sup>
52672	4 x 100 Watt LED	24V DC	50.000	8,2 kg	0,09 m <sup>2</sup>
51789	4 x 100 Watt LED	24V DC	84.000	14,4 kg	0,25 m <sup>2</sup>
51790	4 x 100 Watt LED	110-230V AC	84.000	19,0 kg	0,25 m <sup>2</sup>
53536	4 x 225 Watt LED	24V DC	100.000	20,4 kg	0,20 m <sup>2</sup>
52996	4 x 300 Watt LED	110-230V AC	180.000	26,4 kg	0,35 m <sup>2</sup>



### Set of 6 lamps mounted on Robot Head "GME-Motion"

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
33435	6 x 500 Watt Halogen *	230V AC	57.000	11,5 kg	0,20 m <sup>2</sup>
33440	6 x 750 Watt Halogen *	230V AC	101.250	20,9 kg	0,46 m <sup>2</sup>
33445	6 x 1000 Watt Halogen *	230V AC	132.000	20,9 kg	0,46 m <sup>2</sup>
37664	6 x 50 Watt LED	24V DC	40.200	10,4 kg	0,11 m <sup>2</sup>
38887	6 x 50 Watt LED (vertical)	24V DC	40.200	11,5 kg	0,11 m <sup>2</sup>
33422	6 x 50 Watt LED (horizontal)	24V DC	40.200	11,6 kg	0,13 m <sup>2</sup>
53021	6 x 100 Watt LED	24V DC	75.000	12,6 kg	0,16 m <sup>2</sup>
53022	6 x 100 Watt LED (vertical)	24V DC	75.000	13,8 kg	0,16 m <sup>2</sup>
52940	6 x 100 Watt LED	24V DC	126.000	29,5 kg	0,38 m <sup>2</sup>
53016	6 x 100 Watt LED	110-230V AC	126.000	36,2 kg	0,38 m <sup>2</sup>



Other lamp units available on request.

\* 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.

# Beacon Models



## Teklite Quadriflash

Model \_\_\_\_\_ Cat. No. 52262

Available colours:  
red, blue, amber and green



## LED Beacon

Model \_\_\_\_\_ Cat. No. 52260

Available colours:  
red, blue, amber and green

# 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

Oil-free piston air compressor,  
completely maintenance-free.

#### Models with NO valve

Model 40/50, 12 volt	Cat. No. 33652
Model 40/50, 24 volt	Cat. No. 33653

## Using the vehicle air pressure system



### Air Pressure Regulator Unit

Combined unit consisting of valves,  
manometer, pressure switch and  
pressure regulator.

#### Models

APR Unit, 12 volt	Cat. No. 25578
APR Unit, 24 volt	Cat. No. 25579



### Air Pressure Valve Kit

Kit consisting of loose valves,  
manometer and pressure regulator.

#### Models

APV Kit, 12 volt	Cat. No. 27838
APV Kit, 24 volt	Cat. No. 27839

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

# Mast lighting robot with Control/Junction unit & Remote controls



## Robot Head “GME-Motion” Basic

Model \_\_\_\_\_ Cat. No. 52716-4

Weight: 13,0 kg  
Wind surface: 0,05 m<sup>2</sup>



## Control/Junction Unit “GME-Motion”

Model 12/24V \_\_\_\_\_ Cat. No. 52711



## Cable Remote Control-YH

Cat. No. 38682 (Spanish)

Cat. No. 38683 (English)

Cat. No. 38684 (German)

1,5 metre spiral cable + 10 metres linear cable



## Cable Remote Control-LVG

Cat. No. 35992

1,25 metre spiral cable + 10 metres linear cable  
(Optional up to 6 light buttons)



## RF Remote Control Kit

Cat. No. 36002 (Optional)

Kit contents: - RF Remote control  
- 230 Volt charger  
- 12/24 Volt car charger

(Optional up to 6 light buttons)

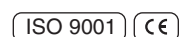


All details given in this publication are approximate  
and may be subject to change without notice.

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