



# TF 500XE - “GME-Motion” Basic Light Robot Series

*Heavy-duty mast robot lighting systems*

Completely remote controlled lighting system for TF 500XE series of masts.

## *Light Robot's features*

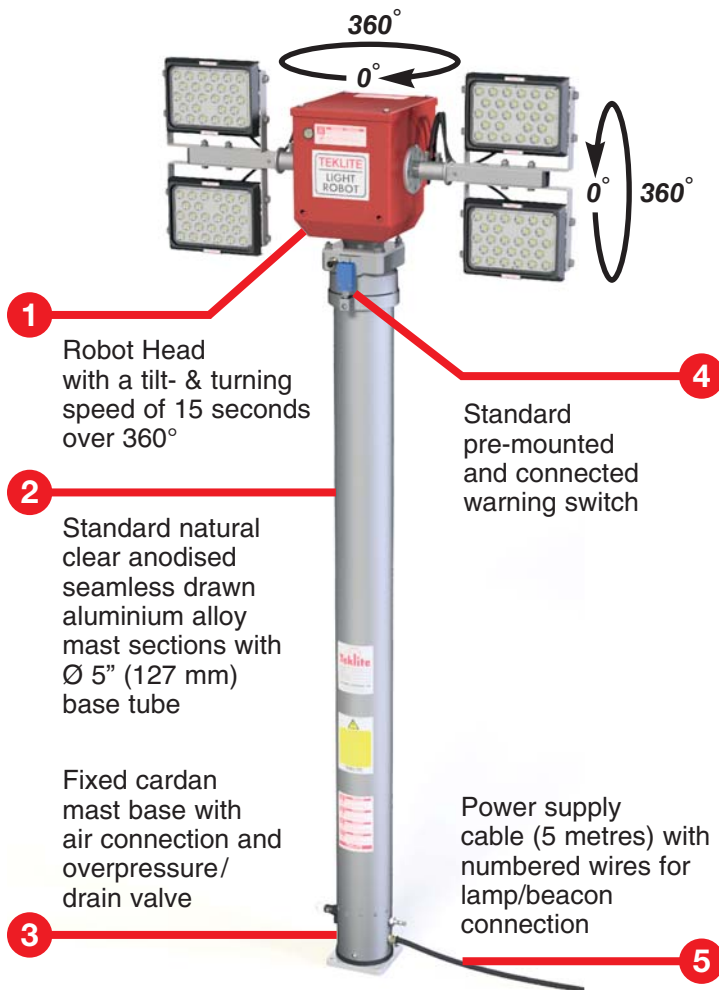
- *Compact construction*
- *Easy to install*
- *Simple to use*
- *Choice of different lamp types*



**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 500 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. 53089-SG



Lower Mounting Bracket

Cat. No. 53087

### Internal mounting



Roof Bearing

Cat. No. 27625-SG

# Mast models

## *TF 500XE mast models (Class II approved)*

Model	Cat. No.	Retracted height	Extended height	Max. headload (120 km/h) Weight / Wind surface	Weight of mast
<b>5 SECTION MASTS*</b>					
TF 540XE/5	52781	1275 mm	4000 mm	55 kg / 0,90 m <sup>2</sup>	22,8 kg
TF 545XE/5	52782	1440 mm	4600 mm	55 kg / 0,80 m <sup>2</sup>	24,9 kg
TF 553XE/5	52783	1670 mm	5315 mm	55 kg / 0,70 m <sup>2</sup>	27,1 kg
TF 560XE/5	52784	1760 mm	6000 mm	55 kg / 0,60 m <sup>2</sup>	29,6 kg
TF 567XE/5	52785	1930 mm	6700 mm	55 kg / 0,50 m <sup>2</sup>	32,1 kg
TF 570XE/5	52786	1990 mm	7000 mm	55 kg / 0,40 m <sup>2</sup>	33,3 kg
TF 575XE/5	52787	2100 mm	7500 mm	55 kg / 0,40 m <sup>2</sup>	34,8 kg
TF 590XE/5	52789	2500 mm	9000 mm	50 kg / 0,30 m <sup>2</sup>	40,1 kg
<b>6 SECTION MASTS</b>					
TF 545XE/6	52792	1290 mm	4500 mm	40 kg / 0,80 m <sup>2</sup>	24,1 kg
TF 550XE/6	52793	1400 mm	5000 mm	40 kg / 0,60 m <sup>2</sup>	25,6 kg
TF 553XE/6	52794	1460 mm	5305 mm	40 kg / 0,60 m <sup>2</sup>	26,7 kg
TF 560XE/6	52795	1600 mm	6000 mm	40 kg / 0,50 m <sup>2</sup>	29,0 kg
TF 570XE/6	52797	1835 mm	6970 mm	40 kg / 0,40 m <sup>2</sup>	32,4 kg

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

## Lamp choice

### *Various lamp units available on request*

Model 4 x 300 Watt LED, 110-230V AC, 180.000 Lumen  
Cat. No. 52996



Model 6 x 1000 Watt Halogen, 230V AC, 132.000 Lumen  
Cat. No. 33445



# 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” Comfort

Model \_\_\_\_\_ Cat. No. 52716-5

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)

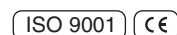


All details given in this publication are approximate  
and may be subject to change without notice.

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