

LATTICE TOWERS

Floodlight towers

DATASHEET

Product nr.

S 1 22,5M-50

Ref. nr.

05.01.02.01.40

Latest rev.

15.10.2018



Series 1

22,5 m

The given tower is designed as an equilateral triangle, with a fully welded steel lattice, composed by legs and bracing made of solid round bars.

Lamp brackets are mounted using a top-ring with screws, so that the lamp brackets can be rotated to the desired position.

Total theoretical mast weight ($\pm 10\%$) (excluding the lamp brackets) = 470 kg

Leg distance at tower base = 700 mm

All the steel is hot dip galvanized and is designed according to DS/EN ISO 1461.

Application:

The mast can be used in accordance with the standard LTR 6000 series for brackets, suitable for standard lamp types, such as Siteco A3 Maxi and FL20 Maxi and Phillips 20 Optivision.

Number of lamps	1	2	3	4		
Lamp brackets	LT-01-00	LT-02-00	LT-03-00	LT-04-00		
Wind drag area, A_w	0,2 m ²	0,45 m ²	0,71 m ²	0,72 m ²		
Weight	30 kg	57 kg	87 kg	106 kg		
Permanent Installation, Normal safety class	Installation in most areas up to Northern Scotland			Installation in most areas up to Southern Scotland		
	TC	I II III	I II III	I II III	I II III	I II III
$V_{b,0}$	29.5 31.0 35.5	26.0 27.5 31.0	23.0 24.5 27.5	23.0 24.0 27.0		
Temporary Installation, Low safety class	Installation in most areas up to Northern Scotland			Installation in most areas up to Southern Scotland		
	TC	I II III	I II III	I II III	I II III	I II III
$V_{b,0}$	31.0 33.0 37.0	27.5 29.0 32.5	24.5 26.0 29.0	24.0 25.5 28.5		

The values shown in the table are calculated according to EN 1993-3-1 + NA - Design of Steel Structures – Towers and Masts. A_w is wind drag area incl. form factor. $V_{b,0}$ = basic wind speed.

TC: I = Flat Landscape, II = Agricultural Country and III = Suburb, Industrial area.

Foundation types:

The following foundation solutions can be used with the mast:

Foundation	Block foundation for casting on site	Prefabricated dig-in foundations	Steel foundation for dig-in solutions	Movable foundations, normally for temporary sites	Bedrock anchoring
Type	F303	PF303	SF303	FF303	FA303

