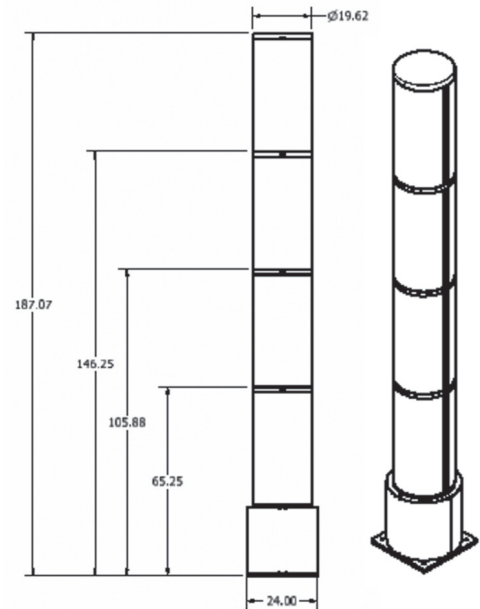# LT-500 LED Light Tower

Tower Structure

- Outer Tube: Impact resistant, translucent polycarbonate plastic, UV resistant. Optional unlimited architecturally pleasing and functional performance variations are available. Consult our sales/customer service for the detail.

- Optional Lens Design Viatiations:
  – Translucent white - standard
  – Metal cell, specify color or texture finish or logo/text/design
  – Custom graphic/text or logo

- Base Assembly: Structurally rigid consist of 1" thick structural, US made steel weldment. Finished corrosion resistant primed and powder coated paint.

- Outer Base Cover: Stainless steel

- Tower Size: 20" Diameter; Section Height = 40"; Base height = 24"

- Power Input: Maximum 300W, 120-277VAC 50/-60Hz

Operating Condition

- Temperature Range: -20 Degree C to +50 Degree C.B17

- Humidity Range: 0 to 95%

- Application: Indoor or outdoor, damp or wet location.

Ordering Guide

MODEL	NO. OF SECTIONS	WATTS/ SECTION	CCT COLOR TEMP	LIGHT SPREAD	INPUT VAC	LIGHTING CONTROL	OPTIONS
LT	**3**	**225W**	**RGB**	**360**	**U**	**DMX**	**DF**
LT	1 2 3 4	75W 150W 225W 300W	CW = Cool White WW = Warm White RGB = dmx controllable red, green and blue	180 = 180 degree 360 = 360 degree	U = Universal 110V to 277V	DIM = Dimming, white LED only DMX = DMX interface, RGB	SF = Single Fuse DF = Double Fuse VG = Vandal Guard

LT-500 LED Light Tower

Modular Components Assembly

- Tower One Meter Section: Up to 4 sections; Nominal 40.1" height per section.

- LED Digital Tube: 6 per one meter section - RGB or white; total 24 digital tubes - Rated IP65; maximum 75W per section; 7000 lumens-cool white.

- Base Assembly: 24" diameter X 24" height with 24" square base plate.

- LED Controller: Integral to the LED digital tube

- LED Driver: Integral to base assembly.

LED Digital IP65 Light Module

- Number of LEDs: 144 (R48, G48, B48) 12W each for RGB or 30 LEDs for cool white.

- Housing: Round UV resistant pc tube + aluminum housing for RGB or square extrusion for white.

- Service Life Hours at L70: 50,000 + hours.

- Input Power: 12W 12VDC.

- Pixels per meter: Universal addressable 1, 2, 4, 8 or 16 (for RGB only).

- DMX Protocol: DMX 512 programmable.

- Data Cable: 4-pin 4-wire cable (Brown - DMX-A; Green - DMX-B; Blue - NC; Black - Gnd); 4-pin Male and 4-pin Female (for RGB).

Bollard Load Ratings

- EPA = 20 Sq. ft.; Maximum bearing weight = 950 lb (total of 4-sections and base assembly); 98 lb. per section assembly.

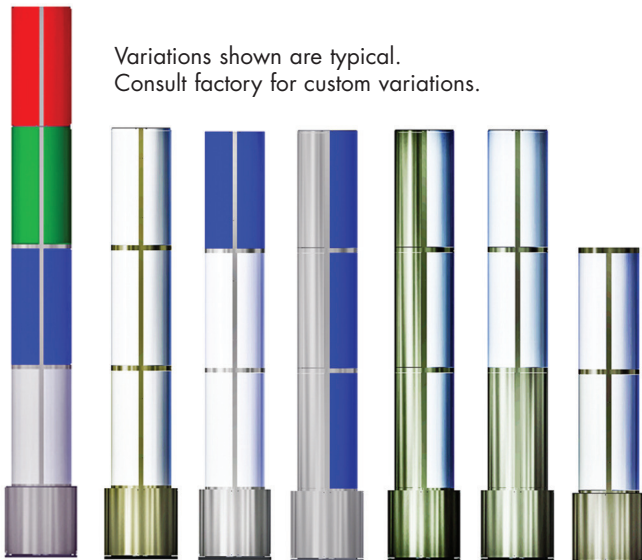## Support Structure Design Loads

- Structural concrete pedestal must be designed to sustain 20 sq. ft. EPA rating of LED bollard, to withstand suitable wind loading of the application. Also support structural must withstand minimum bearing load 950 lb. Each anchor bolt must withstand 400 ft. lb. tightening torque.

Mounting Anchor Bolts

- (4) 1" - 8 X 18" J-anchor bolts, 4" J-hook, hot dip galvanized steel; 6" thread length; mounted on 19" X 19" square corners. Nominal tightening torque 175 - 200 lb. ft. recommended.

Safety Standards

- ETL certified for UL 1598 and CSA 22.2 No. 250.0 Standards suitable for outdoor wet location or indoor application in USA or Canada.

Variations shown are typical.
Consult factory for custom variations.

DETAIL A
SCALE 0.08 : 1

STEP 13 - TOP CAP

STEP 11
LENS - 2 PER SECTION

8-32 ROUND HEAD
SCREWS - 8

8-32 FLAT HEAD SCREWS
6 PER LENS

STEP 14-
HORIZONTAL TRIM
2 PER SECTION

8-32 ROUND HEAD SCREWS 4 PER TRIM

STEP 12 VERTICAL TRIM - 2 PER SECTION

8-32 FLAT HEAD SCREWS 4 PER TRIM

8-32 ROUND HEAD SCREWS 4 PER TRIM

1-8 X 2-3/4" BOLT

LOCKWASHER
1-8 NUT
3 PER SECTION

1-8 SPEED NUT

LED TUBE
6 PER SECTION

1-8 X 3-1/2" BOLT
BOTTOM ONLY
3 TOTAL

CONDUIT COVERPLATE

SHROUD BASE COVER
2 PER TOWER

10-24 SCREW
8 PER COVER

STEP 15
BOTTOM HORIZONTAL TRIM
2 PER TOWER

ACCESS PANEL

DETAIL B
SCALE 0.08 : 1

Ø1.50
FOR CONDUIT
SLEEVE FOR
GROUND ROD

Ø1.125 (4) MTG HOLES
FOR ANCHOR BOLTS
(BY OTHERS).

4.24
4.00

3.00
REF

3.00

1.75 3.50 9.50

19.00

4.24 2.59

4.34

7.00
REF

PLEASE NOTE ORIENTATION OF BASE
IN REGARD TO THE VERTICAL TRIM ON
THE TOWER BEFORE INSTALLING BASE.

2" PIPE
4 PLACES
(BY OTHERS)

24.00

3.52 .48

19.00

24.00

MTG PATTERN
SCALE 1/8