

POLE SPECIFICATIONS

1. POLE FABRICATED FROM 6061 T6 ALUMINUM EXTRUSION.
2. BASE CIRCUMFERENTIALLY WELDED TOP AND BOTTOM.
3. ANCHOR BOLTS ARE "L" FORMED RODS HAVING A MINIMUM YIELD STRENGTH OF 55,000 P.S.I. FABRICATED FROM ASTM F1554 GR. 55 AND FULLY GALVANIZED PER ASTM 153 SPECIFICATIONS AND FURNISHED COMPLETE WITH 2 HEX NUTS AND 2 FLAT WASHERS.
4. POLES SHALL HAVE A POLYESTER POWDER COAT FINISH IN A STANDARD COLOR.

POLE DIMENSIONS				
H' POLE HGT. (FT.)	TOP DIA. (IN.)	BOTTOM DIA. (IN.)	GAGE MTG.	
20'	4.00	4.00	.188	
BASE PLATE DIMENSIONS				
B" BOLT CIRCLE (IN.)	A" BASE PLATE DIM. (IN.)			
9.5	9.5			
ANCHOR BOLT DIMENSIONS				
ANCHOR BOLT DIA. (IN.)			ANCHOR BOLT LENGTH (IN.)	
.75			20.00	
ANCHOR CAGE DIMENSIONS				
ANCHOR BOLT DIA. (IN.)			ANCHOR BOLT LENGTH (FT.)	
.75			4ft	
ALLOWABLE WIND LOADING (SQ. FT.)				
WIND*	80 MPH	90 MPH	100 MPH	120 MPH
EPA	5.2	3.1	1.7	

SOME GEOGRAPHICAL AREAS HAVE SPECIAL WIND CONDITIONS THAT CAN CREATE WIND INDUCED VIBRATIONS CAUSING A FATIGUE PROBLEM. NO METHOD HAS YET BEEN FOUND FOR PREDICTING DESTRUCTIVE LIGHTING POLE VIBRATION. THESE CONDITIONS ARE UNIQUE AND CANNOT BE GUARANTEED AGAINST, AND ARE THE RESPONSIBILITY OF A LOCAL SITE ENGINEER.
*WITH 1.3 GUST FACTOR

Structure weight lbs.	84
Concrete base:	22 in x 6 ft

LUMINAIRE SPECIFICATION

2.1 Nominal power, W	90
2.2 Frequency, Hz	50/60
2.3 Nominal voltage, V	110
2.4 Permissible voltage	100-240V
2.5 Color temperature, K	5000
2.6 Weight, lbs	9.4
2.7 Beam angles	151x81 (Type II)
2.8 Light source	SMD LED
2.9 LED luminous efficacy, lm/W	145
2.10 Power factor	0.87
2.11 Color rendering index	70
2.12 Luminous flux, lm	13050
2.13 Energy efficiency class	A+



DATE:	
DRAWN:	
CHECKED:	
REVISION:	
APPROVED:	
QUOTE:	
S.O.#	
REF: SCALE: NONE	
TITLE:	
CATALOG:	



**LED CITY
POLES**

