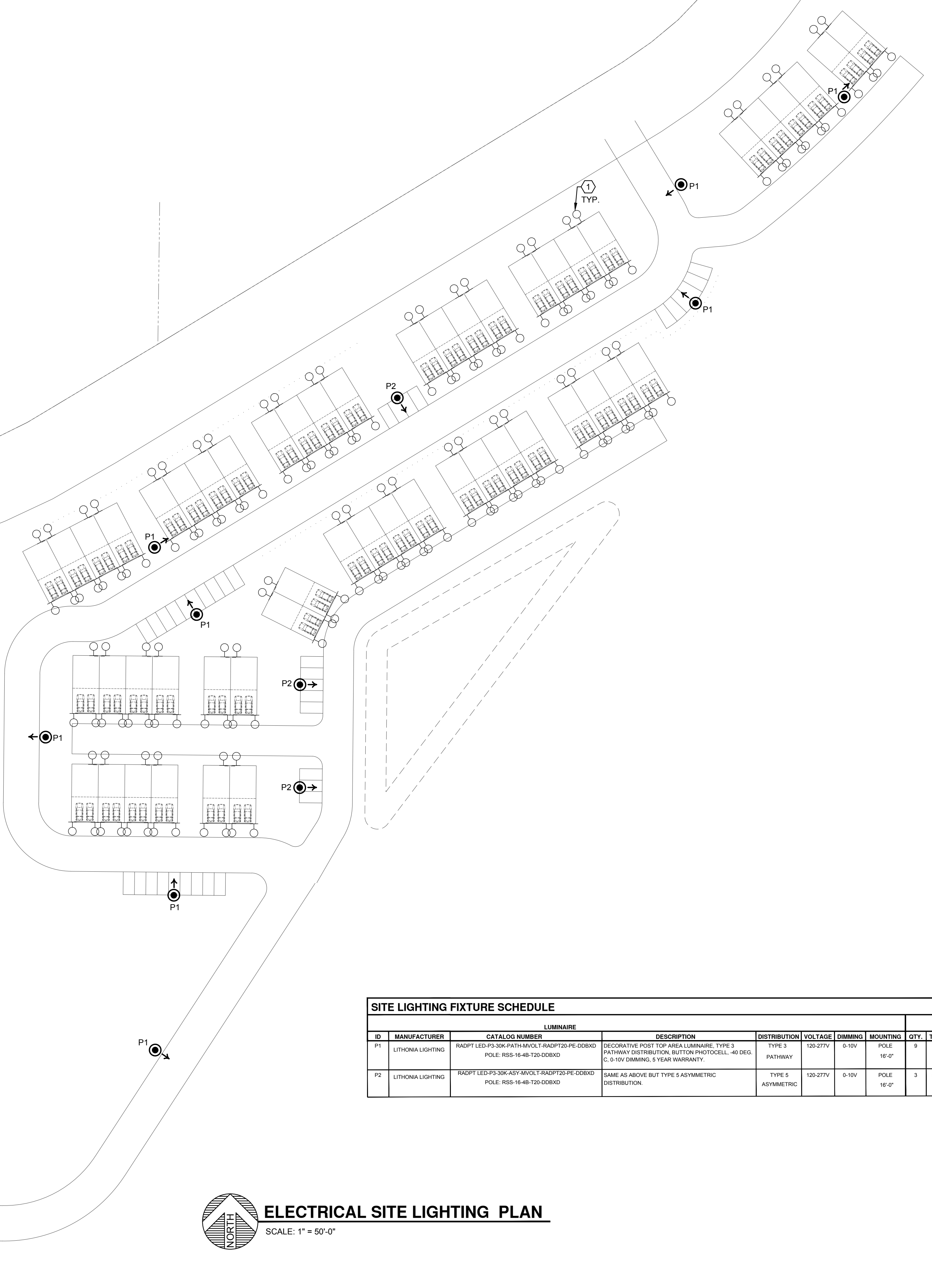


9/18/2023 10:32:30 AM odjgphs.electrical\caos\721_western_drive_townhomes.dwg 9/15/2023 10:32:30 AM odjgphs.electrical\caos\721_western_drive_townhomes.dwg

HATHAWAY DRIVE
WESTERN DRIVE

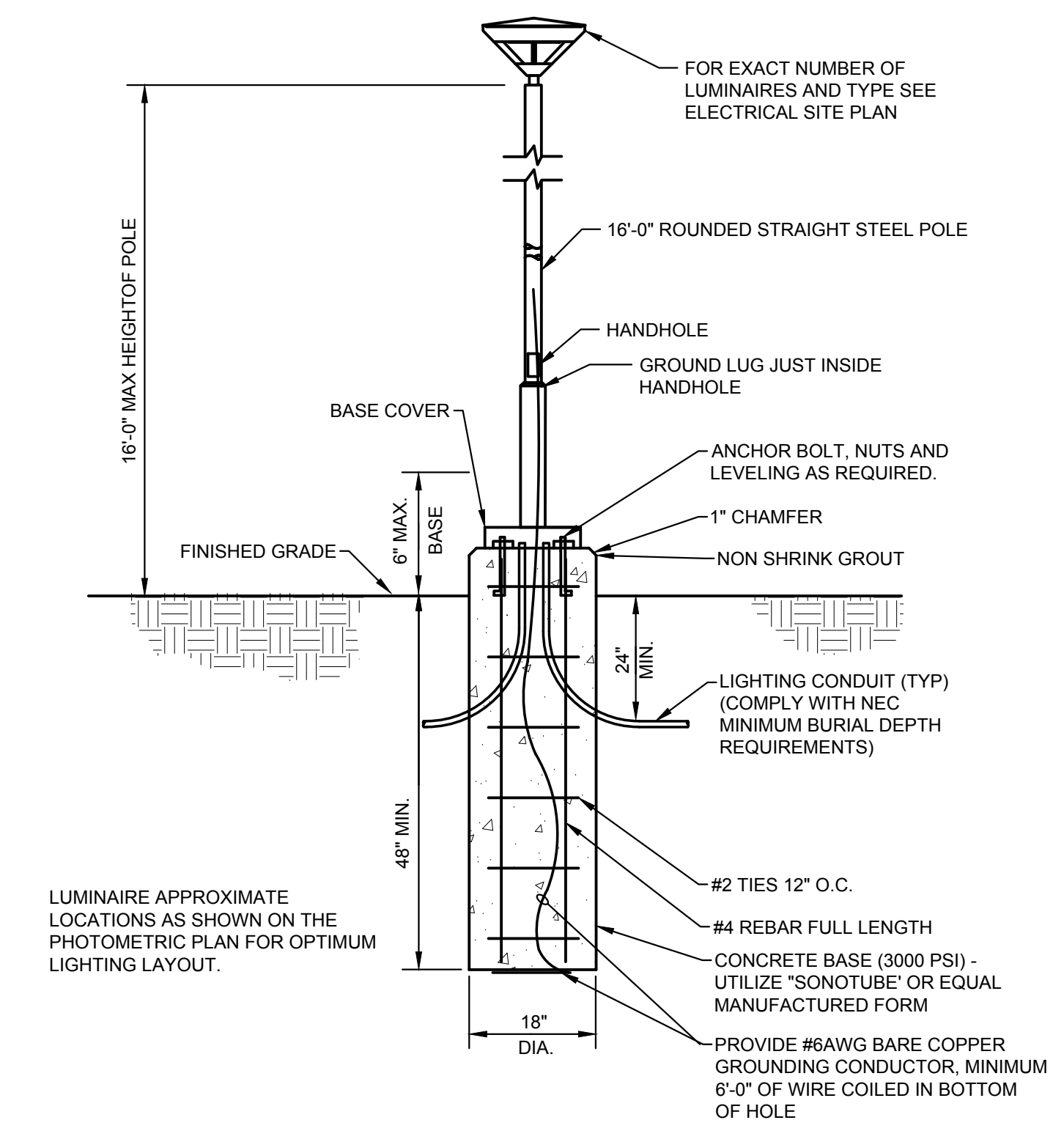


ELECTRICAL SITE LIGHTING PLAN
SCALE: 1" = 50'-0"

SITE LIGHTING FIXTURE SCHEDULE												
LUMINAIRE										LAMPS		
ID	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	DISTRIBUTION	VOLTAGE	DIMMING	MOUNTING	QTY.	TYPE	WATTS	LUMENS	COLOR TEMP./CRI
P1	LITHOMIA LIGHTING	RADPT-LED-P3-30K-PATH-MVOLT-RADPT20-PE-DOBXD POLE: RSS-16-48-T20-DOBXD	DECORATIVE POST TOP AREA LUMINAIRE, TYPE 3 PATHWAY DISTRIBUTION, BUTTON PHOTO-CELL, 40 DEG. C, 0-10V DIMMING, 5 YEAR WARRANTY.	TYPE 3 PATHWAY	120-277V	0-10V	POLE 16'-0"	9	LED	54	5,707	3000K
P2	LITHOMIA LIGHTING	RADPT-LED-P3-30K-ASYM-VOLT-RADPT20-PE-DOBXD POLE: RSS-16-48-T20-DOBXD	SAME AS ABOVE BUT TYPE 5 ASYMMETRIC DISTRIBUTION.	TYPE 5 ASYMMETRIC	120-277V	0-10V	POLE 16'-0"	3	LED	54	5,707	3000K

KEYED NOTES

① TYPICAL CARRIAGE LIGHT FOR TOWNHOMES. COORDINATE WITH OWNER.



① TYPICAL FIXTURE TYPE P1,P2 POLE BASE DETAIL
NOT TO SCALE

PRELIMINARY
NOT FOR
CONSTRUCTION

721 WESTERN DR. TOWNHOMES
SITE DEVELOPMENT PLAN PHOTOMETRY
721 WESTERN DRIVE, COLORADO SPRINGS, CO 80915

REVISIONS	MARK	DATE	COMMENT
1	Δ	09/15/2023	COORDINATION SET

ELECTRICAL SITE DEVELOPMENT PLAN

PROJECT	23080
DATE	09/15/2023
DRAWN	CAO
CHECKED	MP

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
10' Beyond Property Line	Illuminance	Fc	0.04	0.7	0.0	N.A.	N.A.
Property Line	Illuminance	Fc	0.09	1.3	0.0	N.A.	N.A.
Western Townhomes Site	Illuminance	Fc	0.29	2.9	0.0	N.A.	N.A.
Townhomes Area	Illuminance	Fc	0.42	2.9	0.0	N.A.	N.A.

GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. NOT ALL EXISTING CONDITIONS ARE SHOWN FOR CLARITY.
- B. CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, TRENCHING, BACKFILLING, AND RESTORATION.
- C. THESE PHOTOMETRIC CALCULATIONS ARE BASED ON MANUFACTURER'S IES FILES AND 0.85 LIGHT DEPRECIATION FACTOR.
- D. ACTUAL ILLUMINANCE LEVELS MAY DIFFER FROM THE FOOT CANDLE LEVELS SHOWN DUE TO VARIABLE FIELD CONDITIONS, SUCH AS NEARBY EXISTING LUMINAIRES, LUMINAIRE DIRT DEPRECIATION, LANDSCAPING, AND FUTURE DEVELOPMENTS.



PRELIMINARY
 NOT FOR
 CONSTRUCTION

721 WESTERN DR. TOWNHOMES
 SITE DEVELOPMENT PLAN PHOTOMETRY
 721 WESTERN DRIVE, COLORADO SPRINGS, CO 80915

REVISIONS	MARK	DATE	COMMENT
1	Δ	09/15/2023	COORDINATION SET

SHEET TITLE
**DEVELOPMENTAL
 SITE
 PHOTOMETRIC
 PLAN**

© COPYRIGHT 2023 ALL DRAWN & WRITTEN INFORMATION APPEARING HEREIN SHALL NOT BE DUPLICATED, DISCLOSED OR OTHERWISE USED WITHOUT WRITTEN CONSENT OF PLANT ENGINEERING CONSULTANTS.

PROJECT	23080
DATE	09/15/2023
DRAWN	CAO
CHECKED	MP

SHEET
DP2

9/18/2023 10:32:36 AM odipole.electrical
 C:\projects\2023\23080\721_western_drive_townhomes_sit_e_dp1.dwg



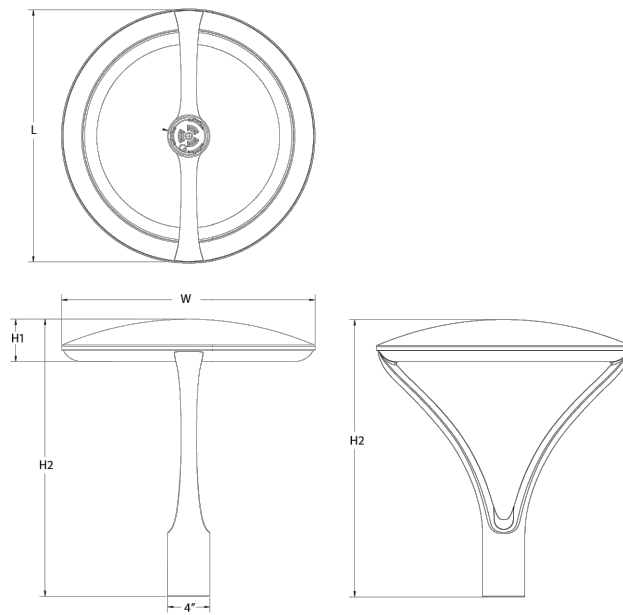
Radean Post Top LED Area Luminaire



Catalog Number, Notes, Type P1,P2

Specifications

EPA: 1.02 ft² (0.105 m²), Length: 24" (61cm), Width: 24" (61cm), H1 Luminaire Height: 4" (10.16cm), H2 Luminaire Height: 26" (66.04cm), Weight: 38lbs (17.24kg)



Introduction

The architecturally-inspired shape of the RADEAN™ post top area luminaire embodies the grace and strength of the RADEAN family.

Ordering Information

EXAMPLE: RADPT LED P3 30K SYM MVOLT PT4 PE DNAXD

Table with columns: RADPT LED, Series, Performance package, Color temperature, Distribution, Voltage, Mounting required.

Table with columns: Control options, Other options, Shipped installed, Finish options.

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

Ordering Information

Accessories

Notes regarding accessories like remote dimmer and photocell.

- NOTES: 1. 2700K and 3500K may require extended lead times. 2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).

Mounting

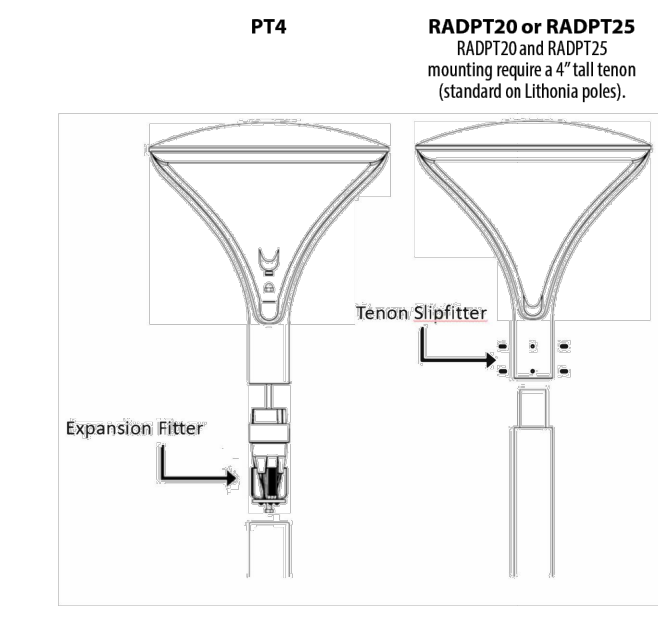
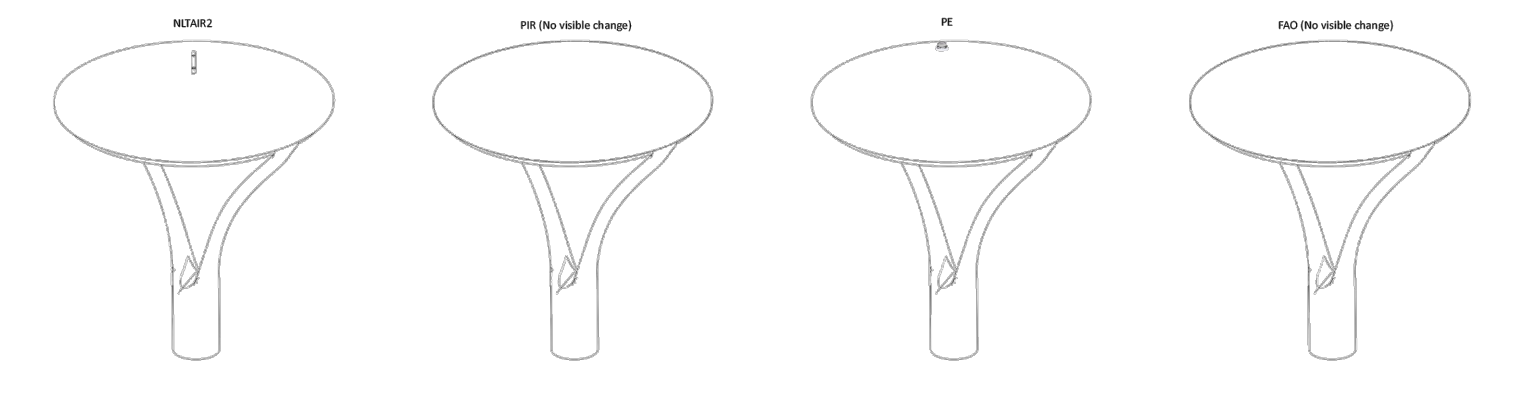


Table: Recommended Pole for use with RADIAN RADPT LED luminaires. Columns: Acuity Part Number, Description, For luminaires, Used with Mounting.

Control Options



LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

Performance Data

Lumen Output

Large table showing Lumen Output for various configurations (Series, Package, Distribution, Voltage, etc.)

Lumen Ambient Temperature (LAT) Multipliers

Table: Lumen Ambient Temperature (LAT) Multipliers for temperatures from 0°F to 40°F.

Projected LED Lumen Maintenance

Table: Projected LED Lumen Maintenance factors for different temperatures and operating hours.

Electrical Load

Table: Electrical Load data showing Input Current, System Watts, and Input Current for various luminaire configurations.

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

9/18/2023 10:32:40 AM odglope quarters... 721_western_drive_bourbonness_sht_06_1_drawing_v_1_3_autosave_v_1_3_electrical_23080_sht.dwg

PLANT ENGINEERING CONSULTANTS COLORADO SPRINGS CO 80907 www.plantec.com

PRELIMINARY NOT FOR CONSTRUCTION

721 WESTERN DR. TOWNHOMES SITE DEVELOPMENT PLAN PHOTOMETRY 721 WESTERN DRIVE, COLORADO SPRINGS, CO 80915

Table with columns: REVISIONS, MARK, DATE, COMMENT

CUT SHEETS

© COPYRIGHT 2023 ALL DRAWN & WRITTEN INFORMATION APPEARING HEREIN SHALL NOT BE REPRODUCED, DISCLOSED OR OTHERWISE USED WITHOUT WRITTEN CONSENT OF PLANT ENGINEERING CONSULTANTS.

Table with columns: PROJECT, DATE, DRAWN, CHECKED

DP3