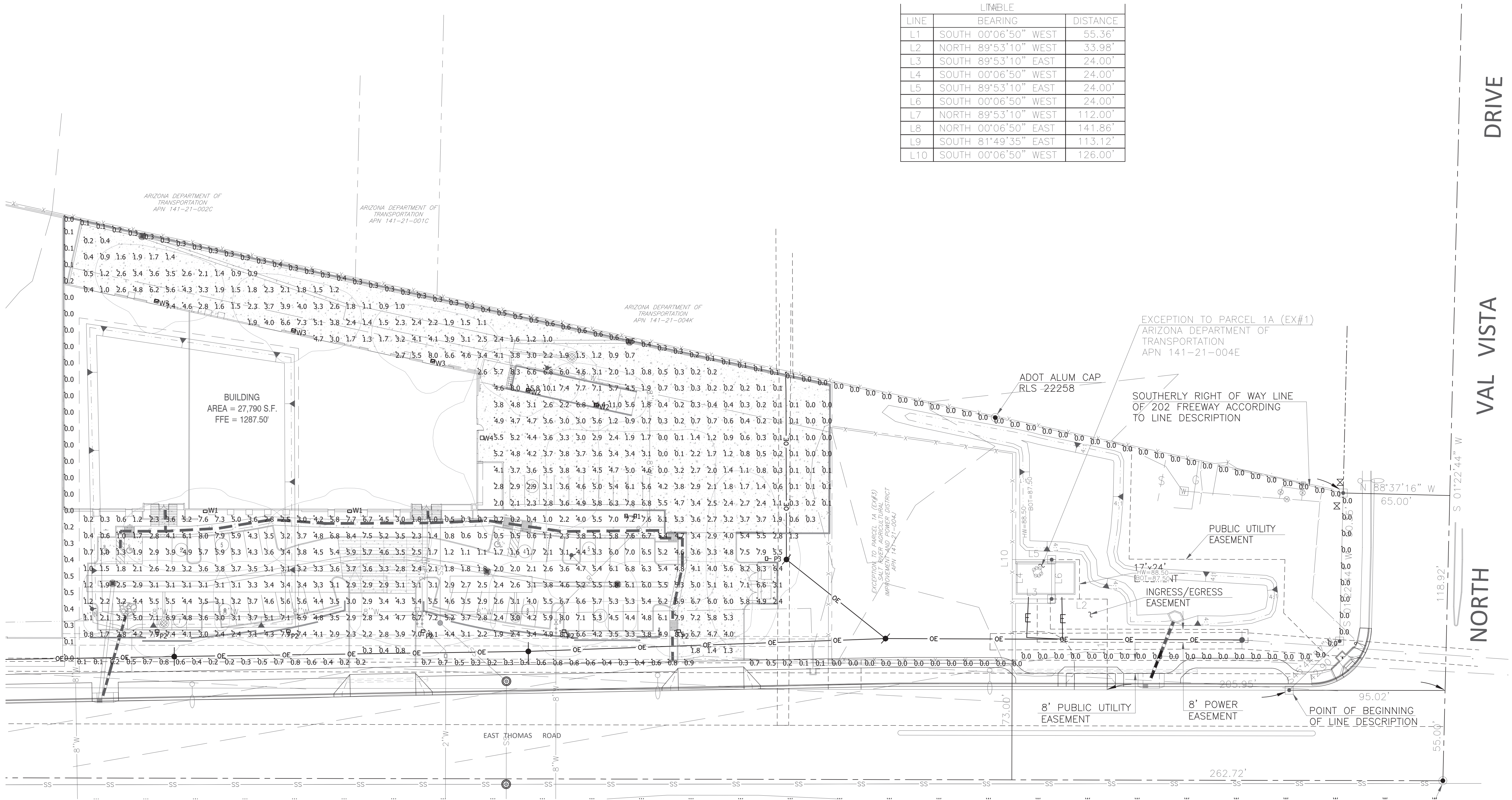




LITABLE		
LINE	BEARING	DISTANCE
L1	SOUTH 00°06'50" WEST	55.36'
L2	NORTH 89°53'10" WEST	33.98'
L3	SOUTH 89°53'10" EAST	24.00'
L4	SOUTH 00°06'50" WEST	24.00'
L5	SOUTH 89°53'10" EAST	24.00'
L6	SOUTH 00°06'50" WEST	24.00'
L7	NORTH 89°53'10" WEST	112.00'
L8	NORTH 00°06'50" EAST	141.86'
L9	SOUTH 81°49'35" EAST	113.12'
L10	SOUTH 00°06'50" WEST	126.00'

SITE PLAN
SCALE: 1/32" = 1'-0"

Luminaire Schedule									
Symbol	Qty	Label	[MANUFAC]	Description	Arrangement	Tag	LLF	Luminaire Lumens	Total Watts
1	5	P1	Lithonia Lighting	DSX0 LED P7 40K 70CRI T5W	Back-Back	Twin Pole Mounted at +15'	0.900	21557	341.62
1	5	P2	Lithonia Lighting	DSX0 LED P7 40K 70CRI T4M HS	Single	Pole Mounted at +15'	0.900	17739	854.05
1	1	P3	Lithonia Lighting	DSX0 LED P7 40K 70CRI T3M	Single	Pole Mounted at +15'	0.900	20318	170.81
1	2	W1	Lithonia Lighting	DSX0 LED P7 40K 70CRI T3M HS	Single	Wall Mounted at +15'	0.900	17612	170.81
1	2	W2	Lithonia Lighting	WDGE3 LED P3 70CRI R3 40K	Single	Wall Mounted at Top of Wall	0.900	10054	143.39
1	3	W3	Lithonia Lighting	WDGE3 LED P4 70CRI R3 40K	Single	Wall Mounted at +15'	0.900	12166	87.8914
1	1	W4	Lithonia Lighting	DSX1 LED P9 40K 70CRI TFTM	Single	Wall Mounted at +25'	0.900	34749	277.07

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Overall Site	Illuminance	Fc	3.38	16.4	0.0	N.A.	N.A.
Property Line	Illuminance	Fc	0.19	0.9	0.0	N.A.	N.A.

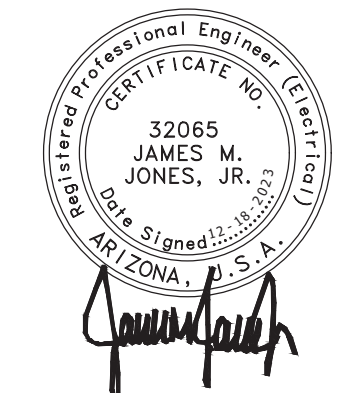
GENERAL NOTES:

1. THE PHOTOMETRIC CALCULATIONS WERE GENERATED IN OUR OFFICE UTILIZING PHOTOMETRIC DATA FILES FURNISHED BY THE LIGHT FIXTURE MANUFACTURERS AND REASONABLE LIGHT LOSS FACTORS. THE OVERALL GRID SPACING IS 10'-0" ON CENTER. TO THE BEST OF OUR KNOWLEDGE THIS PHOTOMETRIC CALCULATION REPRESENTS THE PROPOSED HORIZONTAL MAINTAINED LIGHTING LEVELS AT GRADE FOR SITE AND PROPERTY LINE, INITIAL LIGHTING LEVELS WILL BE SLIGHTLY HIGHER.



NWC THOMAS AND VAL VISTA

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MESA, ARIZONA 85213



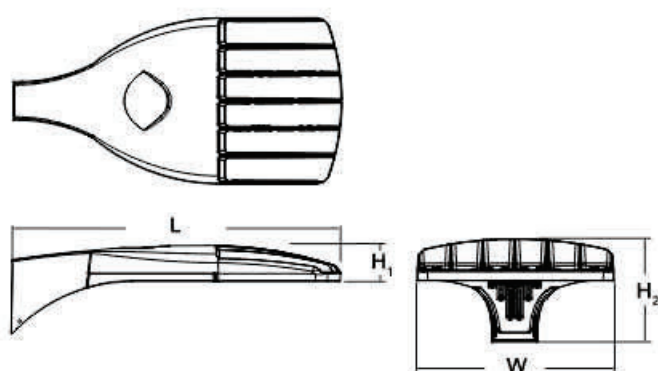


D-Series Size 0 LED Area Luminaire



Specifications

EPA: 0.95 ft² (0.09 m²)
Length: 26" (660 mm)
Width: 13" (330 mm)
Height₁: 5" (127 mm)
Height₂: 7" (178 mm)
Weight (max): 16 lbs (7.3 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAR2 PIRHN DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics P1 P5 P2 P6 P3 P7 P4 Rotated optics P10 P12 P11 P13	30K 3000 K 40K 4000 K 50K 5000 K	T15 Type I short (Automotive) T25 Type II short T2M Type II medium T3M Type III short T4M Type IV medium T5M Type V short	T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control LCCO Left corner cutoff RCCO Right corner cutoff	MVOLT (120V-277V) ^{1,2} XVOLT (277V-480V) ^{1,2,3} SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor RPU MBA Round pole universal mounting adaptor Shipped separately KMAA DDBXD U Must arm mounting bracket adaptor (specify finish) ^{1,2}

Control options	Other options	Finish
Shipped installed NLTAR2 eLight AIR generation 2 enabled ^{1,2} PIRHN Network, high-flow motion/ambient sensor ¹ PER NEMA twist-lock receptacle only (control ordered separately) ¹ PER5 Five-pin receptacle only (control ordered separately) ^{1,2} PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separately) ^{1,2} DMG 0-10V dimming entered out back of housing for external control (control ordered separately) ¹	PIR High-flow, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 56" ^{1,2} HS Blade side shield ² SF Single face (120, 277, 347V) ¹ DF Double face (208, 240, 480V) ¹ L90 Left rotated optics ¹ R90 Right rotated optics ¹ OBL Off-lid glow level ¹ HA 50°C ambient operation ¹ BAA Buy American/Act Compliant Shipped separately BS Bird spikes ¹ EGS External glare shield	DDBXD Dark bronze BLXD Black DNAXD Natural aluminum DWHXD White DDBTDX Textured dark bronze DLBXD Textured black DNATDX Textured natural aluminum DWHGXD Textured white

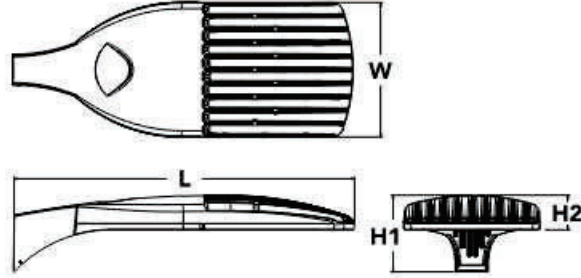


D-Series Size 1 LED Area Luminaire



Specifications

EPA: 1.01 ft² (0.09 m²)
Length: 33" (840 mm)
Width: 13" (330 mm)
Height H1: 7-1/2" (191 mm)
Height H2: 3-1/2" (89 mm)
Weight (max): 27 lbs (12.3 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAR2 PIRHN DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics P1 P4 P7 P2 P5 P8 P3 P6 P9 Rotated optics P10 P12 P11 P13	30K 3000 K 40K 4000 K 50K 5000 K	T15 Type I short (Automotive) T25 Type II short T2M Type II medium T3M Type III short T4M Type IV medium T5M Type V short	T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control LCCO Left corner cutoff RCCO Right corner cutoff	MVOLT ¹ XVOLT (277V-480V) ^{1,2,3} SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor RPU MBA Round pole universal mounting adaptor Shipped separately KMAA DDBXD U Must arm mounting bracket adaptor (specify finish) ^{1,2}

Control options	Other options	Finish
Shipped installed NLTAR2 eLight AIR generation 2 enabled ^{1,2} PIRHN Network, high-flow motion/ambient sensor ¹ PER NEMA twist-lock receptacle only (control ordered separately) ¹ PER5 Five-pin receptacle only (control ordered separately) ^{1,2} PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separately) ^{1,2} DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹ BS Bird spikes ¹ EGS External glare shield	PIR High-flow, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 56" ^{1,2} HS Blade side shield ² SF Single face (120, 277, 347V) ¹ DF Double face (208, 240, 480V) ¹ L90 Left rotated optics ¹ R90 Right rotated optics ¹ OBL Off-lid glow level ¹ HA 50°C ambient operation ¹ BAA Buy American/Act Compliant Shipped separately BS Bird spikes ¹ EGS External glare shield	DDBXD Dark bronze BLXD Black DNAXD Natural aluminum DWHXD White DDBTDX Textured dark bronze DLBXD Textured black DNATDX Textured natural aluminum DWHGXD Textured white

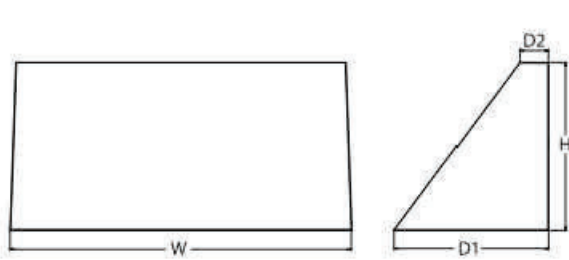


WDGE3 LED Architectural Wall Sconce



Specifications

Depth (D1): 8"
Depth (D2): 1.5"
Height: 9"
Width: 18"
Weight (without options): 19.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance. WDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

WDGE LED Family Overview

Luminaire	Standard EM, P.T.	Cold EM, 20 °C	Sensor	P1	P2	P3	P4	P5	P6
WDGE1 LED	4W	—	—	1,200	2,000	—	—	—	—
WDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	—
WDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	—	—
WDGE4 LED	—	—	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

Series	Package	Color Temperature	CR	Distribution	Voltage	Mounting
WDGE3 LED	P1 P2 P3 P4	30K 3000 K 40K 4000 K 50K 5000 K	70CRI 80CRI	R2 Type 2 R3 Type 3 R4 Type 4 RFT Forward Throw	MVOLT 347V 480V	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Clay Washer bracket (dry/damp locations only) ¹ Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (dry, light, conduit entry). Use when there is no junction box available.

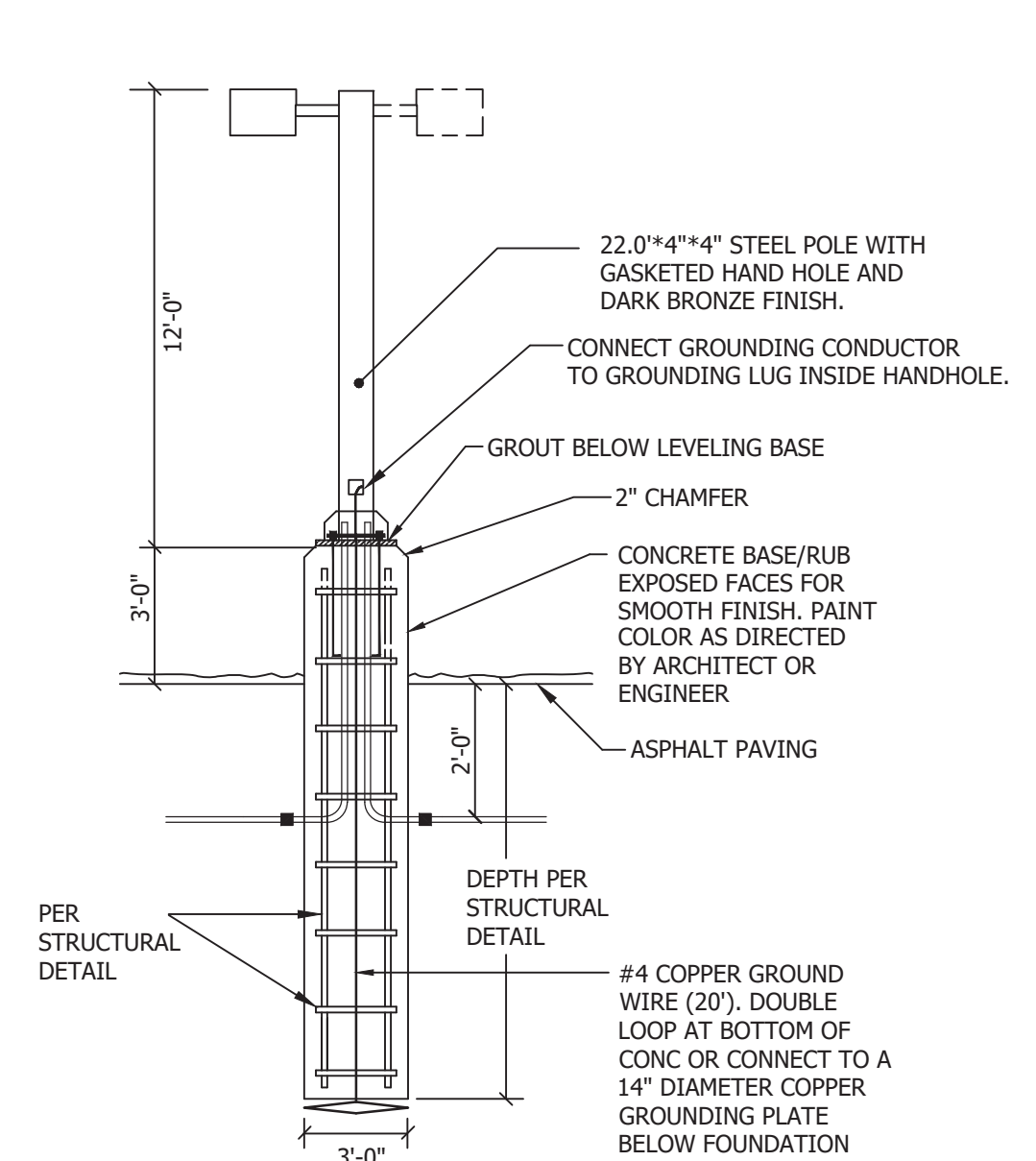
Options	Standalone Sensors/Controls	Finish
E15WH Emergency battery backup, Certified in CA Title 20 MARS (15W, 5°C min) E20WK Emergency battery backup, Certified in CA Title 20 MARS (20W, 5°C min) PE1 Photocell, Button Type DMG1 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. SP10KV 10KV Surge pack BAA Buy American/Act Compliant	PIR Bi-level (100/55%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk-to-dawn switching. PIRHN Bi-level (100/55%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk-to-dawn switching. PIRHTCIV Bi-level (100/55%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk-to-dawn operation. PIRHTCIV Bi-level (100/55%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk-to-dawn operation. Networked Sensors/Controls NLTAR2 PIRHN nLight® AIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. NLTAR2 PIRHN nLight® AIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 6 for act box functionality.	DDBXD Dark bronze BLXD Black DNAXD Natural aluminum DWHXD White DDBTDX Textured dark bronze DLBXD Textured black DNATDX Textured natural aluminum DWHGXD Textured white

Accessories

Ordered and shipped separately.
WDGE3 DDBXD WDGE3 Back Architectural Wall Spacer (dry/damp)
WDGE3 PIRHN DDBXD WDGE3 Surface-mounted back box (specify finish)

NOTES

1. 347V and 480V not available with E15WH and E20WK.
2. PE not available in 480V and with sensors/controls.
3. DMG option not available with sensors/controls.
4. Not qualified for DLC. Not available with emergency battery backup or sensors/controls.



TYPICAL POLE DETAIL

NO SCALE

1

FIXTURE TYPES 'P1', 'P2', 'P3' & 'W1'

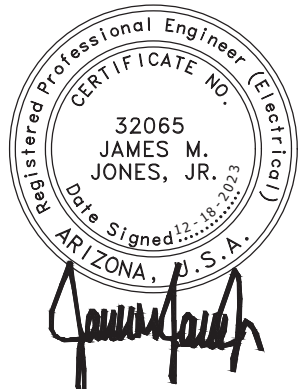
FIXTURE TYPE 'W4'

FIXTURE TYPES 'W2' & 'W3'



NWC THOMAS AND VAL VISTA

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