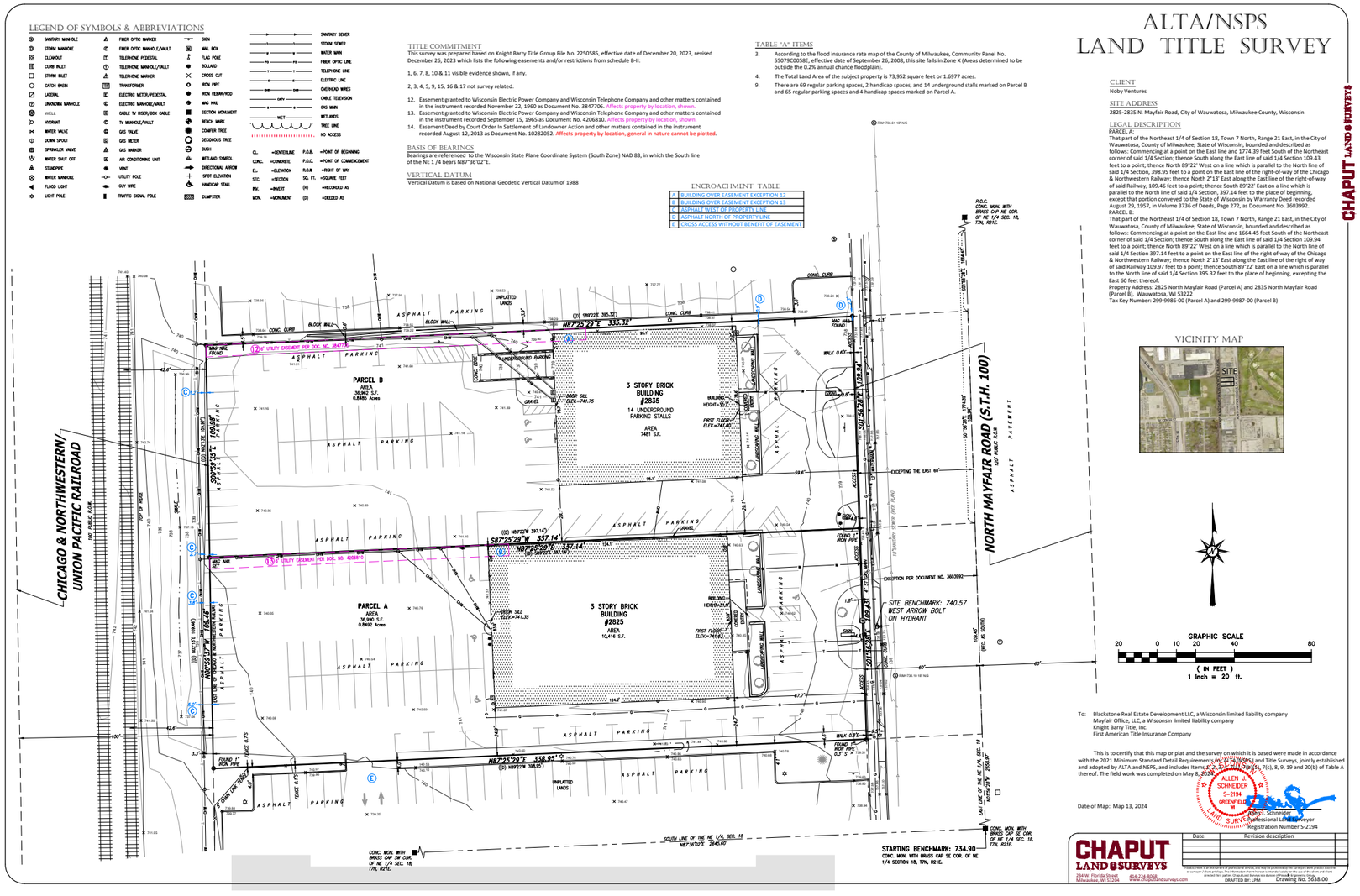
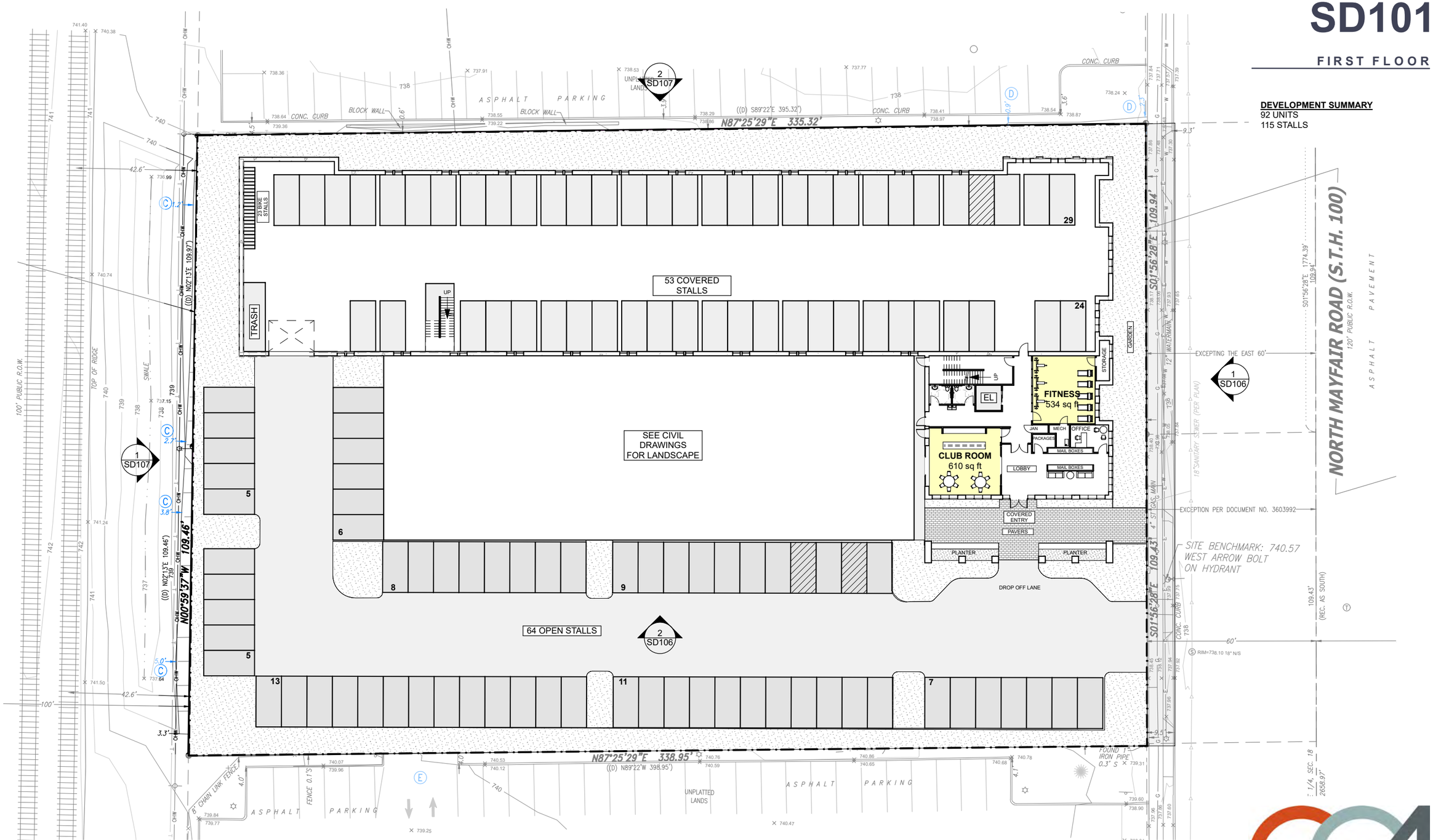


1 SD100 SITE SURVEY
SCALE: 1/32" = 1'-0"

SD101

FIRST FLOOR

DEVELOPMENT SUMMARY
92 UNITS
115 STALLS

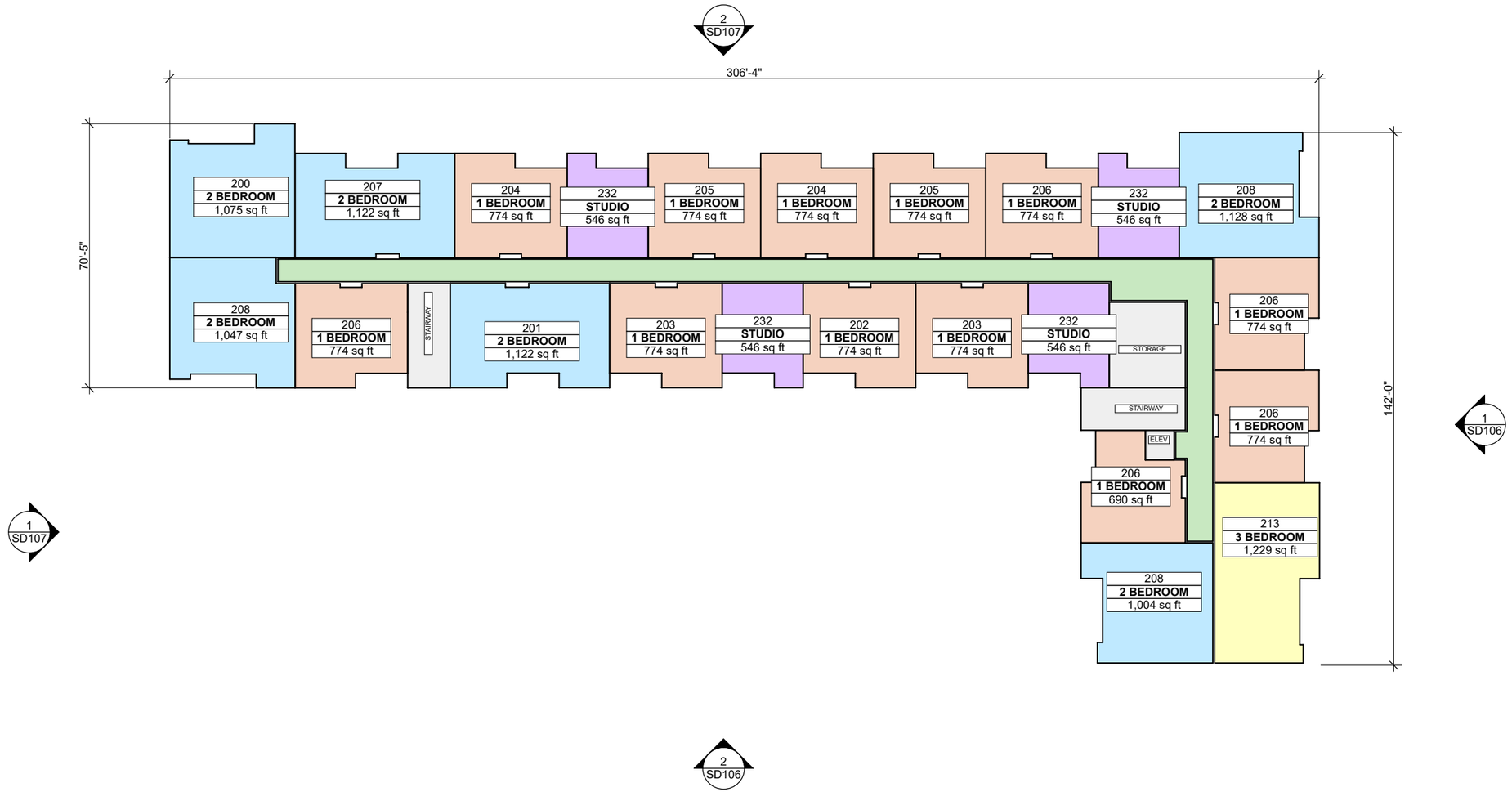


1 SD101 **FIRST FLOOR**
SCALE: 1/32" = 1'-0"

SD102

FLOORS 2 -5

DEVELOPMENT SUMMARY
ONE BEDROOM : 48
TWO BEDROOM : 36
THREE BEDROOM : 4
TOTAL : 92 UNITS



NORTH

1 SD102 FLOORS 2 - 5 CONCEPT PLAN
SCALE: 1/32" = 1'-0"

SD103

3D VIEWS

1
SD103 VIEW FROM MAYFAIR ROAD LOOKING NORTH

SD104

3D VIEWS

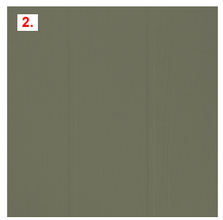
1
SD104 VIEW FROM MAYFAIR ROAD LOOKING SOUTH

1
SD105 VIEW ACROSS PARKING LOT LOOKING EAST

SD106

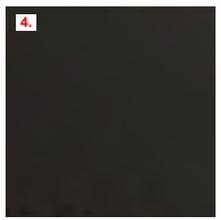
EXTERIOR ELEVATIONS

METAL PANEL SIDING
COLOR: COFFEE BROWN



FIBER CEMENT SIDING
COLOR: IRISH LOWLANDS

FIRED CLAY BRICK
COLOR: MEDIUM IRON SPOT



POLYMER WINDOWS
COLOR: DARK BRONZE

ALUMINUM BALCONY
COLOR: BLONDE OAK

BLOCK RETAINING WALL
COLOR: DUSK

ALUMINUM SOFFIT PLANKS
COLOR: BLOND OAK

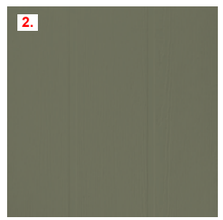
1 SD106 **EAST ELEVATION**
SCALE: 1/32" = 1'-0"

2 SD106 **SOUTH ELEVATION**
SCALE: 1/32" = 1'-0"

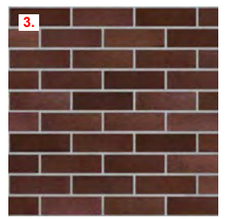
SD107

EXTERIOR ELEVATIONS

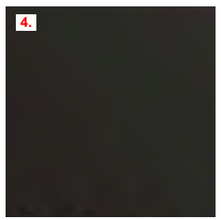
METAL PANEL SIDING
COLOR: COFFEE BROWN



FIBER CEMENT SIDING
COLOR: IRISH LOWLANDS



FIRED CLAY BRICK
COLOR: MEDIUM IRON SPOT

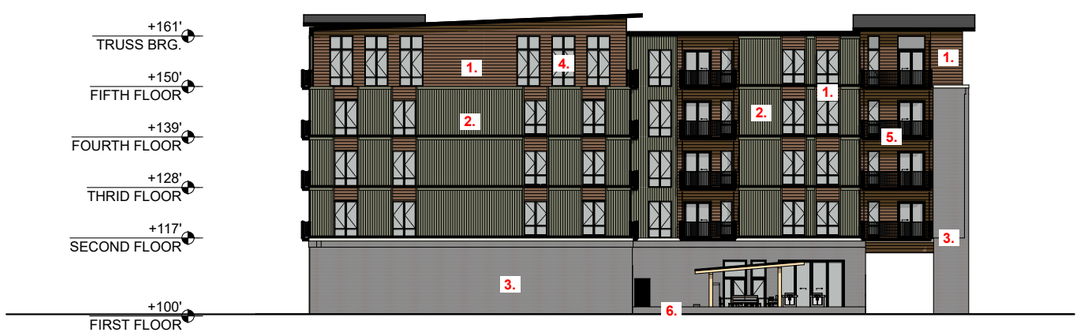


POLYMER WINDOWS
COLOR: DARK BRONZE

ALUMINUM BALCONY
COLOR: BLONDE OAK

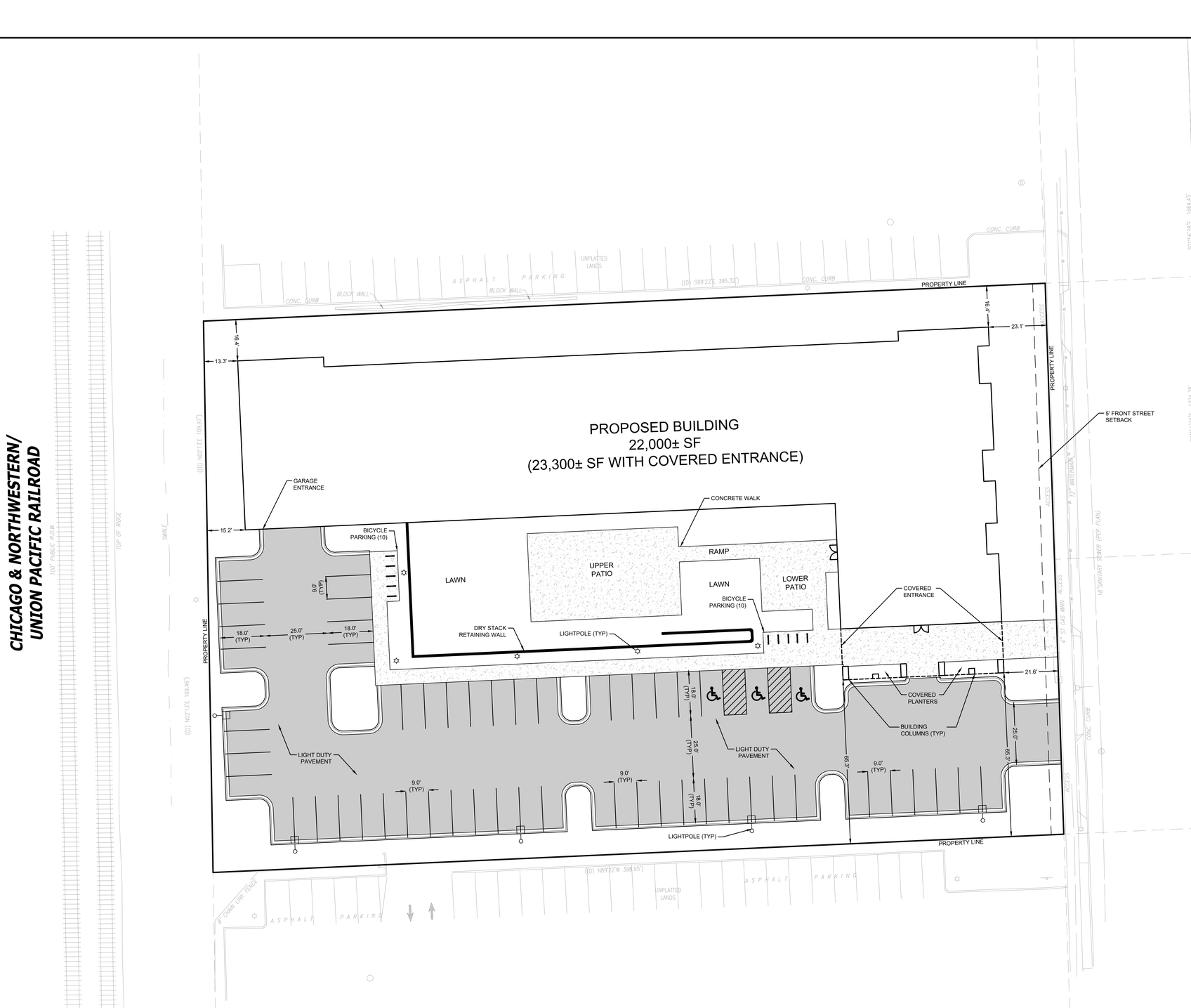
BLOCK RETAINING WALL
COLOR: DUSK

ALUMINUM SOFFIT PLANKS
COLOR: BLOND OAK



1 SD107 WEST ELEVATION
SCALE: 1/32" = 1'-0"

2 SD107 NORTH ELEVATION
SCALE: 1/32" = 1'-0"



SITE DATA TABLE

TOTAL PROPERTY AREA*:	**73,951 SF (1.69 AC)**
***TOTAL PROPERTY INCLUDES TAX KEYS #2999986000 & #2999987000**	
EXISTING PERVIOUS AREA:	**4,856 SF (0.11 AC)**
EXISTING IMPERVIOUS AREA:	**69,095 SF (1.58 AC)**
PROPOSED PERVIOUS AREA:	**23,984 SF (0.55 AC)**
PROPOSED IMPERVIOUS AREA:	**49,967 SF (1.14 AC)**
PROPOSED PARKING STALL COUNT:	
- SURFACE PARKING:	**60 STALLS**
REQUIRED:	**3 ADA STALLS**
PROVIDED:	**3 ADA STALLS (ALL VAN ACCESSIBLE)**
- INTERIOR PARKING:	**54 STALLS**
REQUIRED:	**3 ADA STALLS**
PROVIDED:	**4 ADA STALLS (ALL VAN ACCESSIBLE)**
- TOTAL:	**114 STALLS, 7 ADA**
ZONING BREAKDOWN:	
ZONING:	**C2, GENERAL COMMERICAL**
MINIMUM LOT AREA:	**NONE**
MINIMUM LOT WIDTH:	**NONE**
FRONT STREET SETBACK:	**5 FT**
SIDE SETBACK:	**NONE**
REAR SETBACK:	**NONE**

BUILDING UNIT BREAKDOWN:

APARTMENT:

- **STUDIO: 16 UNITS (17.4% UNIT TYPE)**
- **1 BEDROOM: 48 UNITS (52.2% UNIT TYPE)**
- **2 BEDROOM: 24 UNITS (26.1% UNIT TYPE)**
- **3 BEDROOM: 4 UNITS (4.3% UNIT TYPE)**
- **TOTAL: 92 UNITS**

SIDE SETBACKS ARE NOT REQUIRED DUE TO ABUTMENTS WITH OTHER C2 DISTRICTS. A REAR SETBACK IS NOT REQUIRED DUE TO ABUTMENT WITH RAILROAD ROW.

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

DRAFTED: DESIGNED: REVIEWED:

PLAN | DESIGN | DELIVER
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PINNACLE ENGINEERING GROUP
ENGINEERING | NATURAL RESOURCES | SURVEYING
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(262) 754-8888
CHICAGO | MILWAUKEE : NATIONWIDE

MAYFAIR APARTMENTS

2825 MAYFAIR RD
WAUWATOSA, MILWAUKEE

SITE PLAN

REVISIONS

PEG JOB No. 6675.00
PEG PM APM
START DATE 10/01/25
SCALE 1" = 20'

SHEET
EX-1
OF
EX-1

SITE PLAN

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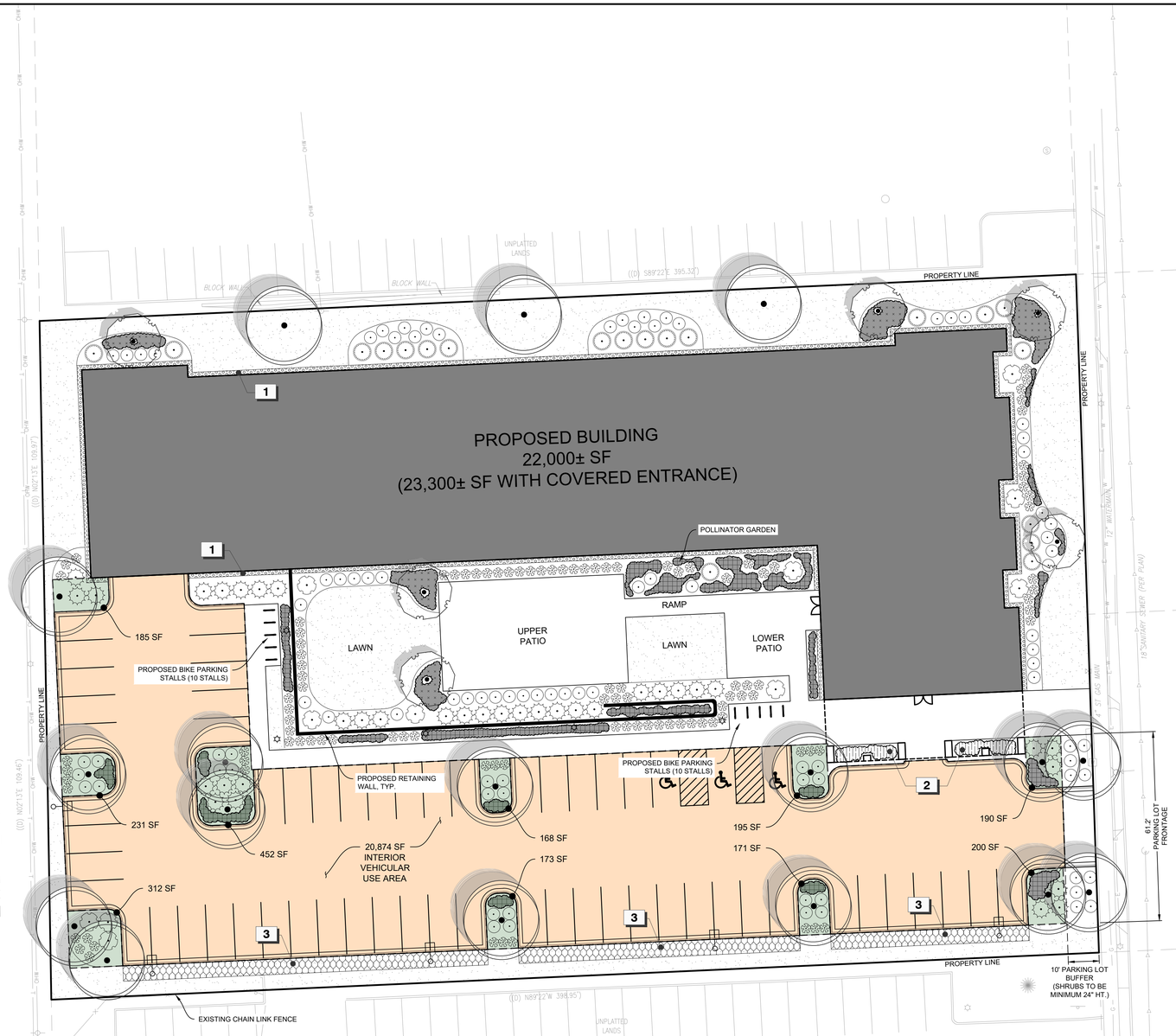
CHICAGO & NORTHWESTERN UNION PACIFIC RAILROAD



NORTH MAYFAIR ROAD

INTERIOR PARKING LOT AREA KEY	
	INTERIOR PARKING LOT PAVED AREA
	INTERIOR PARKING LOT LANDSCAPE AREA

	LANDSCAPE IMPROVEMENT TABLE	REQUIRED	PROVIDED
24.12.020(B)(1)	PERIMETER VEHICULAR USE AREA LANDSCAPING • 10 FT WIDE BUFFER • 1 TREE / 50 LF FRONTAGE • 8 SHRUBS / 50 LF FRONTAGE	YES 2 TREES 10 SHRUBS	YES 2 TREES 10 SHRUBS
24.12.030(B)(2)	INTERIOR PARKING LOT LANDSCAPE AREA • 10% OF THE INTERIOR VEHICULAR USE AREA	2,087 SF	2,277 SF
24.12.030(B)(3)(d)	PARKING INTERIOR TREES • 1 TREE / 180 SF REQ. INTERIOR LANDSCAPE AREA	12 TREES	12 TREES

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY
	1	STONE MAINTENAINCE STRIP	1,151 sf
	2	ANNUAL PLANTINGS (BY OTHERS)	150 sf
	3	SNOW STORAGE AREAS	1,366 sf

CONCEPT PLANT SCHEDULE

	DECIDUOUS TREES	17	
	Celtis occidentalis 'Prairie Sentinel' / Prairie Sentinel Hackberry 45' T x 12' W		2" Cal.
	Gymnocladus dioicus 'Espresso' / Espresso Kentucky Coffeetree 50' T x 35' W		2" Cal.
	Ostrya virginiana / American Hophornbeam 35' T x 30' W		2" Cal.
	Quercus bicolor 'Bonnie and Mike' / Beacon® Oak 40' T x 15' W		2" Cal.
	ORNAMENTAL TREES	6	
	Acer griseum / Paperbark Maple 25' T x 20' W		1.5" Cal.
	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry 20' T x 20' W		1.5" Cal.
	Cercis canadensis 'NC2016-2' / Flame Thrower® Eastern Redbud 20' T x 15' W		6` Ht.
	Malus x 'Prairie Rose' / Prairie Rose Crabapple 20' T x 15' W		1.5" Cal.
	SMALL DECIDUOUS SHRUBS	91	
	Aronia melanocarpa 'SMNAMPEM' / Low Scape Snowfire™ Black Chokeberry 4' T x 3' W		2 gal.
	Cornus stolonifera `Arctic Fire` / Arctic Fire Dogwood 3` T x 3` W		2 gal.
	Diervilla lonicera / Dwarf Bush Honeysuckle 3' T x 4' W		2 gal.
	Hypericum kalmianum 'PIIHYP-I' / First Editions® Cobalt-n-Gold™ St. Johnswort 3' T x 5' W		2 gal.
	Itea virginica 'Merlot' / Merlot Sweetspire 3' T x 4' W		2 gal.
	Ribes alpinum / Alpine Currant 3' T x 5' W		2 gal.
	Spiraea betulifolia 'Tor Gold' / Glow Girl® Birchleaf Spirea 4' T x 4' W		2 gal.
	LARGE DECIDUOUS SHRUB	11	
	Magnolia stellata / Star Magnolia 15' T x 10' W		5 gal.
	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac 2' T x 7' W		5 gal.
	Rhus typhina `Dissecta` / Cutleaf Staghorn Sumac 10' T x 15' W		5 gal.
	Sambucus nigra `Black Lace` / Black Lace Elderberry 6' T x 6' W		5 gal.
	LOW EVERGREEN SHRUB	36	
	Juniperus procumbens 'Green Mound' / Green Mound Japanese Garden Juniper 10" T x 4' W		7 gal.
	Thuja occidentalis 'Hetz Midget' / Hetz Midget Arborvitae 3' T x 3' W		7 gal.
	Tsuga canadensis 'Jeddeloh' / Jeddeloh Eastern Hemlock 24" T x 4' W		7 gal.
	LARGE EVERGEEN SHRUB	25	
	Chamaecyparis pisifera 'Golden Mop' / Golden Mop Threadleaf Sawara Cypress 3' T x 4' W		24" W
	Juniperus scopulorum 'Blue Arrow' / Blue Arrow Juniper 12' T x 4' W		4` Ht.
	Pinus strobus 'Fastigiata' / Pyramidal White Pine 25' T x 12' W		4` Ht.
	Thuja occidentalis `Nigra` / Dark Green Arborvitae 20' T x 8' W		4` Ht.
	Tsuga canadensis `Gentsh White` / Gentsh White Hemlock 8' T x 6' W		4` Ht.
	ORNAMENTAL GRASSES	110	
	Andropogon gerardii 'Blackhawks' / Blackhawks Big Bluestem 4' T x 2' W		1 gal.
	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama 3' T x 3' W		1 gal.
	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass 3' T x 2' W		1 gal.
	Schizachyrium scoparium 'Carousel' / Carousel Little Bluestem 2' T x 2' W		1 gal.
	PERENNIALS	1,097 sf	
	Agastache x 'Blue Fortune' / Blue Fortune Anise Hyssop 2' T x 2' W		4.5" cont.
	Coreopsis x 'Jethro Tull' / Jethro Tull Tickseed 12" T x 2' W		4.5" cont.
	Echinacea purpurea / Coneflower 27" T x 2' W		4.5" cont.
	Echinacea purpurea 'Alba' / White Coneflower 27" T x 2' W		4.5" cont.
	Phlox subulata 'Snowflake' / Snowflake Creeping Phlox 6" T x 2' W		4.5" cont.
	Symphyotrichum ericoides 'Snow Flurry' / Snow Flurry Heath Aster 12" T x 2' W		4.5" cont.
	PERENNIAL GROUNDCOVER	591 sf	
	Amsonia x 'Blue Ice' / Blue Ice Bluestar 10" T x 2' W		2.5" cont.
	Asarum canadense / Wild Ginger 15" T x 2' W		2.5" cont.
	Waldsteinia ternata / Siberian Barren Strawberry 6" T x 2' W		2.5" cont.
	TURF	13,000 sf	

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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REVIEWED: DJB
DESIGNED: HLY
DRAFTED: HLY

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BROOKFIELD, WI 53186
(262) 754-8888
CHICAGO | MILWAUKEE : NATIONWIDE

MAYFAIR APARTMENTS

WAUWATOSA, WI

CONCEPT LANDSCAPE PLAN

REVISIONS

PEG JOB №6675.00-WI
PEG PM AJM
START DATE 10/7/25
SCALE 1" = 20'

SHEET
L-1
OF
L-2

CONCEPT LANDSCAPE PLAN

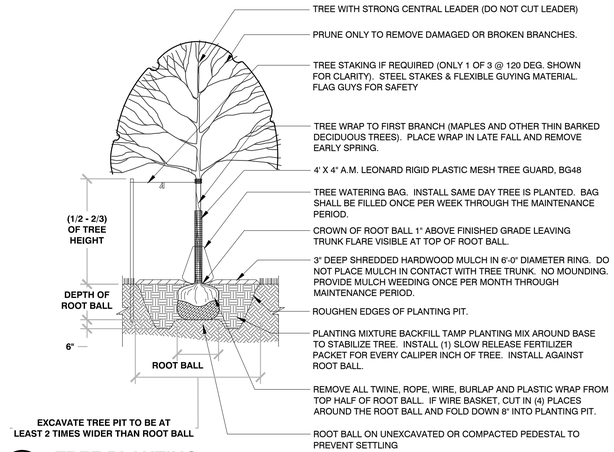
Z:\PROJECTS\2025\6675.00-WI\CAD\SHEETS\6675.00-WI LANDSCAPE PLAN.DWG

GENERAL PLANTING NOTES

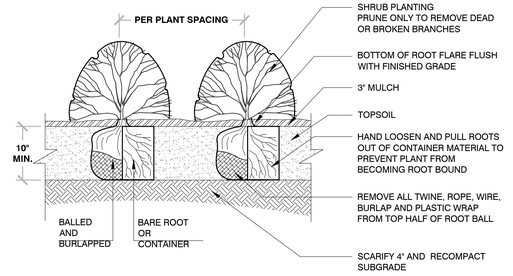
1. THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. AN APPROVED REPRESENTATIVE WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
3. NO PLANT MATERIAL OR PLANT SIZE SUBSTITUTIONS WILL BE ACCEPTED WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT. ANY CHANGES SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION.
4. ALL BNB STOCK SHALL BE NURSERY GROWN IN A CLAY LOAM SOIL FOR A MINIMUM OF THREE GROWING SEASONS WITHIN 200 MILES OF PROJECT LOCATION, IN A ZONE COMPATIBLE WITH USDA HARDINESS ZONE 5A. SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION. EXISTING SOIL SHALL BE AMENDED PER SOIL ANALYSIS REPORT TO ENSURE A PROPER GROWING MEDIUM IS ACHIEVED.
5. ALL PLANT MATERIAL SHALL COMPLY WITH STANDARDS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK - Z60.1 ANSI. LANDSCAPE ARCHITECT OR OWNERS AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND POTENTIALLY REJECT ANY PLANT MATERIAL DEEMED TO NOT MEET THE REQUIRED STANDARDS.
6. ALL STOCK SHALL BE FREE OF DISEASES AND HARMFUL INSECTS, DAMAGE, DISORDERS AND DEFORMITIES.
7. TREES SHALL HAVE SINGLE, STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. MUTLI-STEM TREES SHALL HAVE 3-4 STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. HEIGHT-TO-CALIPER RATIOS SHALL BE CONSISTENT WITH THE LATEST EDITION OF ANSI Z60.1.
8. ROOT SYSTEMS SHALL BE LARGE ENOUGH TO ALLOW FOR FULL RECOVERY OF THE TREE, AND SHALL CONFORM TO STANDARDS AS THEY APPEAR IN THE MOST CURRENT REVISION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S AMERICAN STANDARD OF NURSERY STOCK ANSI Z60.1.
9. BNB TREES SHALL BE DUG WITH A BALL OF SOIL, NOT SOFT BALLED OR POTTED AND SHALL BE FIRM IN THEIR ROOTBALL. ROOT BALL SHALL BE WRAPPED (WITH BIODEGRADABLE MATERIAL). THE TREE ROOT FLARE, OR COLLAR, SHALL BE AT OR WITHIN THE TOP THREE INCHES OF GRADE.
10. ALL SPRING TREES MUST BE FRESHLY DUG IN THE MOST RECENT SPRING.
11. ALL AUTUMN TREES MUST BE FRESHLY DUG IN THE MOST RECENT AUTUMN.
12. TREES SHALL BE ALIVE, HEALTHY AND APPROPRIATELY MOIST, AT TIME OF DELIVERY. TREES SHALL BE SUBJECT TO INSPECTION FOR CONFORMITY TO SPECIFICATION REQUIREMENTS AND APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY TREES THAT DO NOT MEET THE SPECIFICATIONS OR THAT HAVE BEEN DAMAGED DURING SHIPMENT. THE LANDSCAPE INSTALLER MUST RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY SUBSTITUTIONS OR ALTERATIONS.
13. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH PLANTING DETAILS.
14. ALL PLANTING BEDS SHALL HAVE A MINIMUM 10" DEPTH OF PREPARED SOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 10" OF SOIL. REFER TO SOIL PLACEMENT NOTES.
15. WHILE PLANTING TREES AND SHRUBS, BACKFILL $\frac{2}{3}$ OF PLANTING HOLE AND WATER TREE THOROUGHLY BEFORE INSTALLING THE REMAINDER OF SOIL MIXTURE. AFTER ALL SOIL HAS BEEN PLACED INTO THE PLANTING HOLE WATER THOROUGHLY AGAIN.
16. THE CONTRACTOR MUST LABEL ALL TREES WITH THE COMMON AND BOTANICAL NAMES PRIOR TO FINAL INSPECTION.
17. OAK TREES SHALL BE TREATED FOR TWO-LINE CHESTNUT BORER BOTH AT THE TIME OF INSTALLATION AND DURING THE SECOND GROWING SEASON.
18. ALL PLANTING BEDS SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH, AND ALL TREES PLANTED IN TURF AREAS SHALL RECEIVE A 3" DEEP SHREDDED HARDWOOD MULCHED RING AS SHOWN IN PLANTING DETAILS.
19. ALL PLANTING BEDS AND TREE RINGS SHALL HAVE A 4" DEEP TRENCHED BED EDGE CREATED BY EITHER A FLAT LANDSCAPE SPADE OR MECHANICAL EDGER. BED EDGES ARE TO BE CUT CLEAN AND SMOOTH AS SHOWN ON LANDSCAPE PLANS WITH A CLEAN DEFINITION BETWEEN TURF AND PLANTING AREAS.
20. ALL AREAS RECEIVING STONE MULCH TO RECEIVE STEEL BED EDGING. CONTRACTOR TO PROVIDE STEEL EDGING SPECIFICATION FOR APPROVAL PRIOR TO INSTALLATION. STEEL EDGING TO BE INSTALLED PER MANUFACTURERS RECOMMENDATION.
21. AREAS THAT CALL FOR STONE MULCH SHALL RECEIVE LANDSCAPE FABRIC WITH 3" DEEP ALPINE STONE MULCH. REFER TO STONE MULCH DETAILS . CONTRACTOR TO PROVIDE LANDSCAPE FABRIC AND MULCH SPECIFICATIONS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. LANDSCAPE FABRIC SHALL BE INSTALLED TO COVER THE ENTIRE AREA TO RECEIVE STONE MULCH WITH EACH SEAM OVERLAPPING A MINIMUM OF 6".
22. ALL TURF SEED AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 6" OF SOIL AS INDICATED IN THE SOIL PLACEMENT NOTES. REQUIRED AMENDMENTS SHALL BE DETERMINED BASED ON A SOIL ANALYSIS TO BE PERFORMED. ALL TOPSOIL AMENDMENT SHALL BE AGED WEED FREE MANURE OR CLASS 1 ORGANIC MATTER.
23. FOR LAWN SEEDING, APPLY A STARTER FERTILIZER AND SEED UNIFORMLY AT THE RATE RECOMMENDED BY MANUFACTURER, AND PROVIDE A MULCH COVERING THAT IS SUITABLE TO PROMOTE SEED GERMINATION AND TURF ESTABLISHMENT. CONTRACTOR TO PROVIDE FERTILIZER, SEED, AND MULCH SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. EROSION CONTROL MEASURES ARE TO BE INSTALLED IN THOSE AREAS REQUIRING STABILIZATION (SWALES, SLOPES EXCEEDING 1:3, AND THOSE LOCATIONS INDICATED IN CIVIL DRAWINGS).
24. THE CONTRACTOR TO ENSURE A SMOOTH, UNIFORM QUALITY TURF IS ACHIEVED WITH NO BARE SPOTS LARGER THAN 6" X 6". ANY BARE SPOTS LARGER THAN 6" X6" AT THE END OF ESTABLISHMENT PERIOD SHALL BE RESEEDED AT THE CONTRACTORS EXPENSE TO OBTAIN A DENSE, UNIFORM LAWN.
25. ALL FINISH GRADING AND LAWN AREAS TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
26. ALL DISTURBED AREAS WITHIN THE PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
27. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
28. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING ANY IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.
29. TREES SHALL BE INSTALLED NO CLOSER THAN:
    - -10 FEET FROM ANY FIRE HYDRANT
    - 7 FEET FROM STORM SEWER, SANITARY SEWER LATERALS, DRIVEWAYS, AND WATER SERVICE
30. THE CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS
31. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
32. THE CONTRACTOR IS TO REVIEW ALL SITE ENGINEERING DOCUMENTS PRIOR TO INSTALLATION. ANY CONFLICTS MUST BE REPORTED TO THE LANDSCAPE ARCHITECT. THESE LANDSCAPE DRAWINGS ARE FOR THE INSTALLATION OF PLANT MATERIALS ONLY UNLESS OTHERWISE STATED.
33. THE CONTRACTOR SHALL PROVIDE WATERING AND MAINTENANCE SERVICES FOR A PERIOD OF 60 DAYS TO ENSURE VEGETATIVE ESTABLISHMENT. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUPPLY THE OWNER IN WRITING WITH ONGOING WATERING AND MAINTENANCE INSTRUCTIONS.
34. PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM TIME OF OWNER ACCEPTANCE. ONLY ONE REPLACEMENT PER PLANT WILL BE REQUIRED DURING THE WARRANTY PERIOD EXCEPT IN THE EVENT OF FAILURE TO COMPLY WITH THE SPECIFIED REQUIREMENTS.
35. THE CONTRACTOR IS RESPONSIBLE TO CONDUCT A FINAL WALK THROUGH WITH THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE TO ANSWER QUESTIONS, PROVIDE INSTRUCTIONS, AND ENSURE THAT PROJECT REQUIREMENTS HAVE BEEN MET.

SOIL PLACEMENT NOTES

1. LOOSEN SUBGRADE TO A MINIMUM DEPTH INDICATED IN PLANTING NOTES USING A CULTI-MULCHER OR SIMILAR EQUIPMENT, AND REMOVE STONES MEASURING OVER 1-1/2 INCHES IN ANY DIMENSION, STICKS, RUBBISH AND OTHER EXTRANEOUS MATTER. AREAS ADJACENT TO WALKS AND PAVEMENT SHALL BE FREE OF EXCESS STONE AND PAVING MATERIALS SO AS TO PROVIDE AN UNINTERRUPTED CROSS SECTION OF SOIL. INTERNAL PARKING ISLANDS SHALL BE LOOSENED TO A DEPTH OF 30".
2. THOROUGHLY BLEND PLANTING SOIL MIX FOR PLANTING BED AREAS. (1 PART EXISTING SOIL, 1 PART TOPSOIL, 1 PART ORGANIC SOIL AMENDMENT, 2.9 POUNDS PER CUBIC YARD OF 4-4-4 ANALYSIS SLOW-RELEASE FERTILIZER)
3. TREE AND SHRUB HOLES SHALL BE FILLED WITH A PREPARED PLANTING MIXTURE OF 1 PART TOPSOIL, 2 PARTS PLANTING SOIL MIX.
4. SPREAD SOIL AND SOIL AMENDMENTS TO DEPTH INDICATED ON DRAWINGS, BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. (FINISH GRADE OF PLANTING BEDS SHALL BE 3" BELOW ALL ADJACENT SURFACES. FINISH GRADE OF TURF SEEDING AREAS SHALL BE 1" BELOW ALL ADJACENT HARD SURFACES, WALKS, AND CURBS.)
5. PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF SOIL REQUIRED. WORK INTO TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER, THEN PLACE REMAINDER OF THE SOIL. SOIL TRANSITION LAYER SHALL BE TILLED TO A MINIMUM DEPTH OF 6" BELOW THE DEPTH OF NEWLY PLACED SOIL. PARKING LOT ISLANDS SHALL BE CROWNED TO A HEIGHT OF 6" TO PROVIDE PROPER DRAINAGE UNLESS OTHERWISE NOTED.
6. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
7. FINISH GRADING: GRADE SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
8. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
9. RESTORE PLANTING BEDS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.

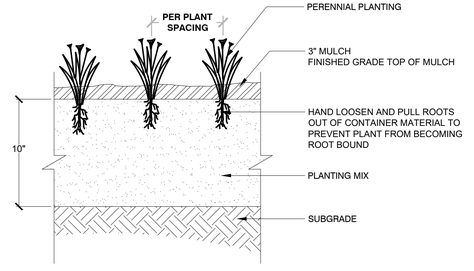


1 TREE PLANTING
1/4" = 1'-0" 329343-01

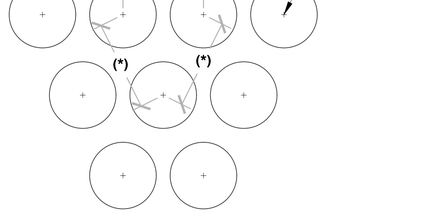


2 SHRUB PLANTING
1/2" = 1'-0" 329333-02

BAREROOT PLANTING NOTES:
1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2. SCARIFY SIDES AND BOTTOMS OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND BOTTOM ROOTS.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS APPROXIMATELY AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL MIX.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACKFILL VOIDS AND WATER SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

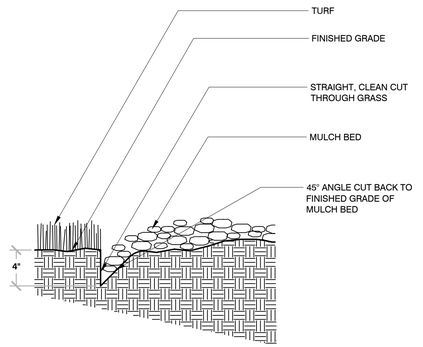


3 PERENNIAL PLANTING
1" = 1'-0" 3293-01

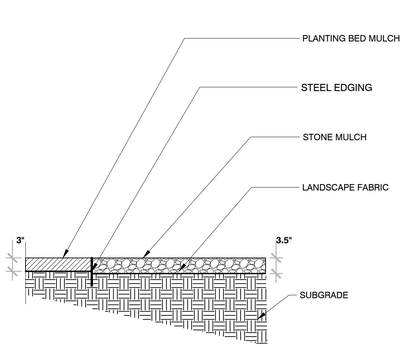


(*) = SPECIFIED PLANT SPACING PER PLANTING LIST

4 PLANT SPACING
3/4" = 1'-0" 3293-02



5 TRENCHED BED EDGE
3/4" = 1'-0" 3293-03



6 STONE MAINTENANCE STRIP
3/4" = 1'-0" 329413-01

DRAFTED: HLY
DESIGNED: HLY
REVIEWED: DJB

PLAN | DESIGN | DELIVER
www.pinnacle-engr.com

PINNACLE ENGINEERING GROUP
ENGINEERING | NATURAL RESOURCES | SURVEYING

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CHICAGO | MILWAUKEE : NATIONWIDE

MAYFAIR APARTMENTS

WAUWATOSA, WI

LANDSCAPE GENERAL NOTES & DETAILS

REVISIONS

PEG JOB No. 6675.00-WI
PEG PM AJM
START DATE 10/7/25
SCALE VARIES

SHEET L-2 OF L-2

LANDSCAPE GENERAL NOTES & DETAILS

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LABEL- OA

Project		Catalog #		Type	
Prepared by		Notes		Date	

Lumark

Prevail Petite Discrete Wall

Wall Mount Luminaire

Product Features

BAA FADC

Interactive Menu

Product Certifications

ISTM CERTIFIED, UL CERTIFIED, DLC LISTED [1], DLC LISTED PREMIUM [1], FC CLASS A CAN ICES-005, RoHS COMPLIANT, IP66, IDA DARK SKY APPROVED [2], 5 YEAR LIMITED WARRANTY

Quick Facts

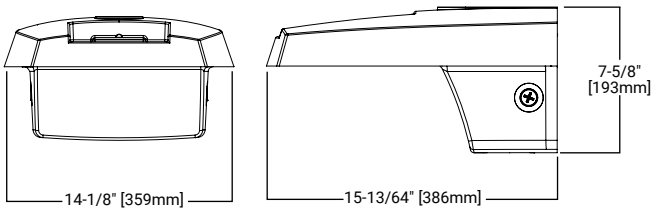
- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 11,300 lumens (30W - 90W)
- Replaces 70W up to 250W HID equivalents
- Efficacies up to 147 lumens per watt
- Surface mount configuration with standard conduit entry

Connected Systems

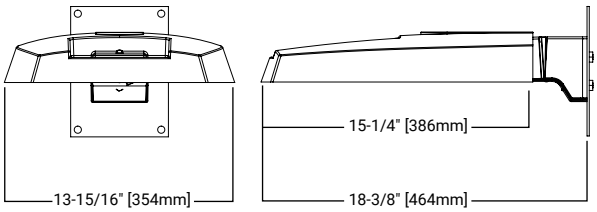
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details

Surface Mount (SM)



Wall Mount (WM)



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

LABEL- OA

SAMPLE NUMBER: **PRV-P-PA1B-740-U-T4W-SM-BZ**

Product Family [1]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [2]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Compliant [22] **TAA-PRV-P**=Prevail Petite TAA Compliant [22]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K	**U**= Universal, 120-277V **H**= High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [3, 23] **9**=347V **DV**=Duravolt, 277-480V	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SM**=Surface Wall Mount **WM**=Wall Mount Arm	**BZ**=Bronze **AP**=Grey **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
2L=Two-Circuit Light Engine [19]
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
EBP=Emergency Battery Pack (Ambient Temp, 0° to 40°C) [4, 5]
CBP=Cold Weather Emergency Battery Pack (Ambient Temp, -20° to 40°C) [4, 5]
CBP-CEC=Cold Weather Emergency Battery Pack, CEC Compliant (Ambient Temp, -20° to 40°C) [4, 5]
HSS=House Side Shield (Factory Installed) [6]
HA=50°C High Ambient Temperature [7]
CC=Coastal Construction [8]
BPC=Button Photocontrol [9]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [9, 10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [9, 10]
FADC=Field Adjustable Dimming Controller [24]
MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting [9, 11, 12]
MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting [9, 11, 12]
MS/DIM-L40W=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [9, 11, 12]
SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [9, 11, 13]
SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [9, 11, 13]
SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting [9, 11, 13]
WPS2XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [9, 11, 14, 15, 16]
WPS4XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [9, 11, 14, 15, 16]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [9, 11, 14, 15, 16]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [9, 11, 14, 15, 16]

Accessories (Order Separately) [17, 18]

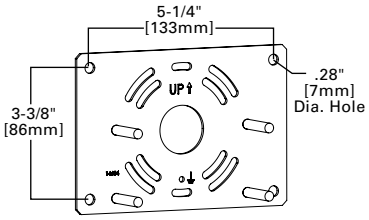
HSS-HP=House Side Shield, Horizontal Panel [7]
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [20]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [21]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
3. 480V not to be used with ungrounded or impedance grounded systems.
4. Only available on Surface Wall Mount (SM) mounting.
5. Must use with Univeral (U) voltage only. Not available with other voltage options. Not available with PA1D light engine.
6. House Side Shield not for use with 5WQ distribution.
7. Not available with EBP, CBP, or CBP-CEC options. Not available with PA1D light engine.
8. Salt spray tested to over 5,000-hours per ASTM B117 with a scribe rating of 9 per ASTM D1654. Also achieves 7,000-hour rating per ASTM B117 with a scribe rating of 4 per ASTM D1654. Extended lead times may apply.
9. Option is not available with other controls: photocontrols (BPC), photocontrol receptacles (PR or PR7), or controls systems (MS).
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Option not available with High Voltage (H). Must specify Universal (U), 347V (9), or 480V (8) voltage.
12. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
13. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
14. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
15. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
16. Replace XX with sensor color (WH, BZ or BK).
17. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
18. Replace XX with paint color.
19. Controls and/or emergency battery packs operate only one of the two circuits when 2L is specified.
20. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
21. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS). Only for use at 120-347V.
22. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
23. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
24. Cannot be used with PR7 or other motion response control options.

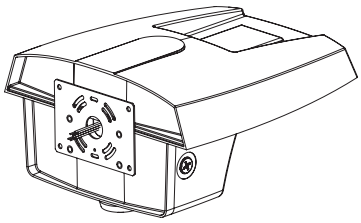
Mounting Details

LABEL- OA

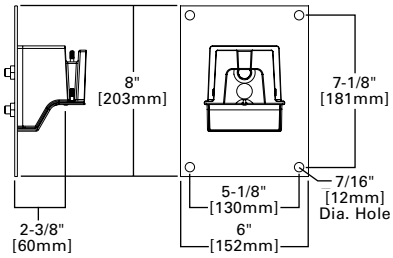
Surface Mount Plate (SM)



Surface Mount Assembly (SM)



Wall Mount (WM)



Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door
- Surface Mount (SM) offers two 1/2" NPT conduit entry plugs
- Not suitable for inverted mount installation

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected.

Typical Applications

Outdoor, Pedestrian Pathways, Building Entrances, Loading Docks, Perimeter Parking Lots

Finish

Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness

Shipping Data

Prevail Petite (with CBP): 21 lbs. (9.53 kgs.)

Warranty

Five year limited warranty, consult website for details. www.cooperlighting.com/legal

LABEL- OA

Energy and Performance Data

Power and Lumens

Light Engine		PA1A	PA1B	PA1C	PA1D
Power (Watts)		31	53	72	93
Drive Current (mA)		375	670	930	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78
Input Current @ 277V (A)		0.12	0.20	0.28	0.35
Input Current @ 347V (A)		0.10	0.17	0.23	0.29
Input Current @ 480V (A)		0.07	0.13	0.17	0.22
Distribution					
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	147	139	132	121
	3000K Lumens [1]	4,103	6,705	8,647	10,291
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2
	Lumens per Watt	121	115	109	100
	3000K Lumens [1]	3,394	5,547	7,154	8,514
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
	Lumens per Watt	146	139	131	121
	3000K Lumens [1]	4,095	6,691	8,630	10,271
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	Lumens per Watt	106	101	95	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	145	138	130	119
	3000K Lumens [1]	4,046	6,612	8,528	10,150
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	111	105	100	91
	3000K Lumens [1]	3,102	5,069	6,538	7,781
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	142	135	127	117
	3000K Lumens [1]	3,960	6,471	8,346	9,932
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	108	103	97	89
	3000K Lumens [1]	3,022	4,938	6,369	7,580
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	146	139	131	121
	3000K Lumens [1]	4,095	6,693	8,632	10,273

NOTES:
1. For 3000K or HSS BUG Ratings, refer to published IES files.

Power and Lumens: Emergency Configurations

Light Engine		PA1A	PA1B	PA1C
Power (Watts) [1]		37	59	78
Input Current @ 120V (A)		0.33	0.52	0.68
Input Current @ 277V (A)		0.16	0.24	0.31
Distribution [2]				
Type II Roadway	4000K/5000K Lumens	2,035		
	3000K Lumens	1,853		
Type II Urban	4000K/5000K Lumens	2,030		
	3000K Lumens	1,849		
Type III	4000K/5000K Lumens	2,007		
	3000K Lumens	1,827		
Type IV Wide	4000K/5000K Lumens	1,964		
	3000K Lumens	1,788		
Type V Square Wide	4000K/5000K Lumens	2,031		
	3000K Lumens	1,849		

NOTES:
1. Power and current based on full power consumption while EBP or CBP is charging.
2. Estimated lumen outputs while luminaire is operating in emergency mode only at full charge.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 663,000

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Control Options

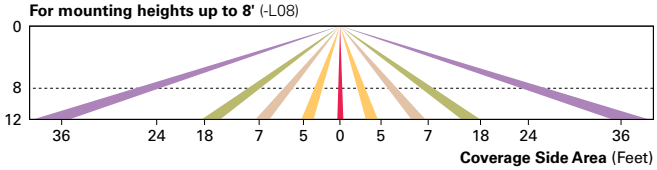
LABEL- OA

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

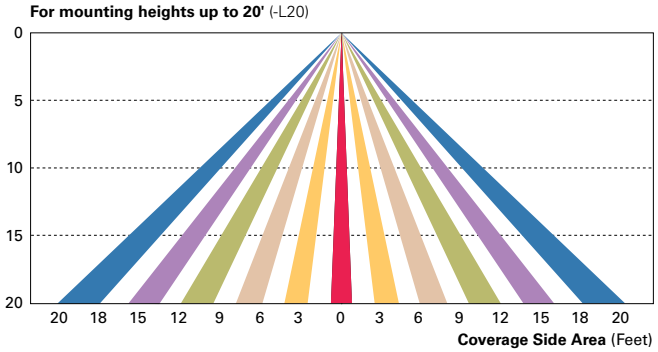
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

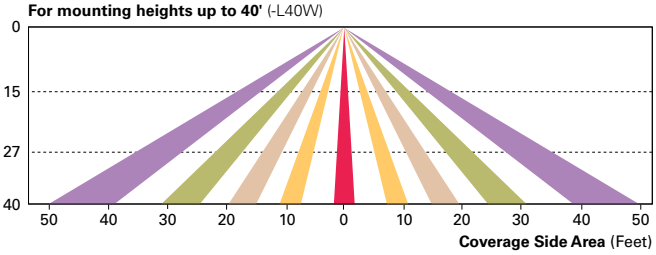
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

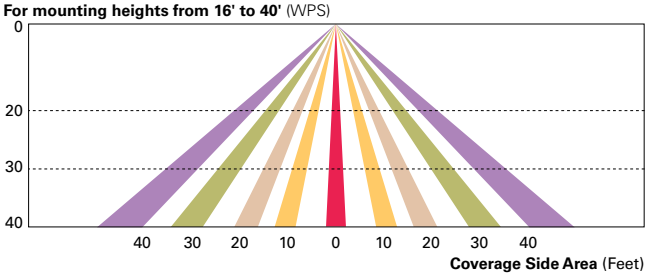


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (WPS)



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

LABEL- SP1

Project		Catalog #		Type	
Prepared by		Notes		Date	

Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

Interactive Menu

Product Certifications

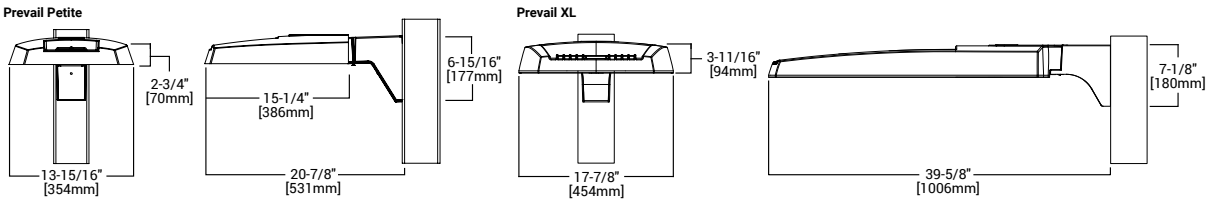
Quick Facts

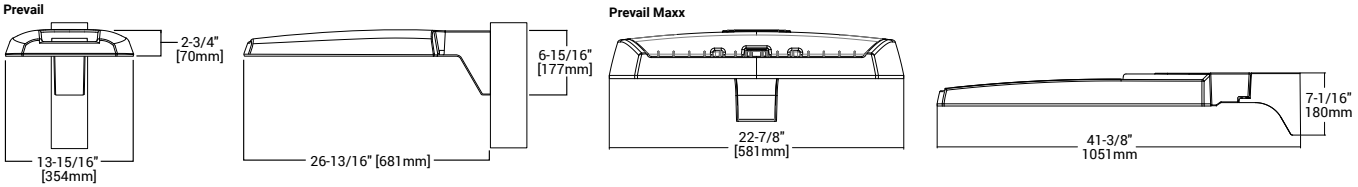
- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details





NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

LABEL- SP1

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3] **BABA-PRV-P**=Prevail Petite BABA Build America Buy America Act Compliant [31]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [26] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [28] **ADJA**=Adjustable Arm – Pole Mount [28] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [28] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [26, 28]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3] **BABA-PRV**=Prevail BABA Build America Buy America Act Compliant [31]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3] **BABA-PRV-XL**=Prevail XL BABA Build America Buy America Act Compliant [31]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3] **BABA-PRV-M**=Prevail Maxx BABA Build America Buy America Act Compliant [30]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [29]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 26, 27]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 27]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16]

Accessories (Order Separately) [20, 21]

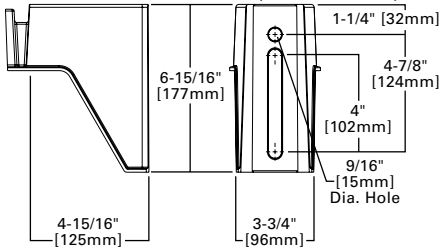
PRVSA-XX=Standard Arm Mounting Kit [21]
PRVMA-XX=Mast Arm Mounting Kit [21]
PRVWM-XX=Wall Mount Kit [21]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [21]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [21]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [21]
PRVXLSA-XX=Standard Arm Mounting Kit [27]
PRVXLMA-XX=Mast Arm Mounting Kit [27]
PRVXLWM-XX=Wall Mount Kit [27]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [27]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [26]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [26]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [26]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [22]
PRVXL/DIS-FDV=Full Drop Visor [17]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 23]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 23]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [24]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [25]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. Replace XX with sensor color (WH, BZ or BK).
17. Only available in PRV-XL configurations.
18. Not available with High Voltage (H, DV, 8 or 9) or HA options.
19. Replace XX with paint color.
20. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
21. Not for use with PRV-XL or PRV-M configurations.
22. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
23. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
24. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
25. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
26.Only available for PRV-M configurations.
27. Only for use with PRV-XL.
28. Fixed for PRV-M
29. Cannot be used with PR7 or other motion response control options.
30. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

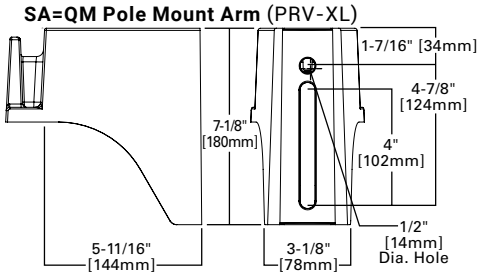
LABEL- SP1

Mounting Details

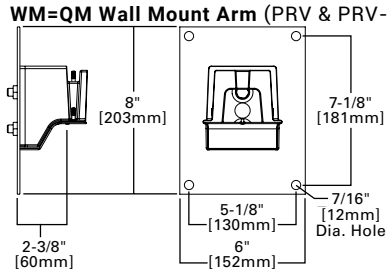
SA=QM Pole Mount Arm (PRV & PRV-P)



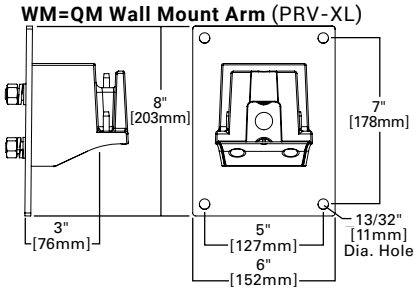
SA=QM Pole Mount Arm (PRV-XL)



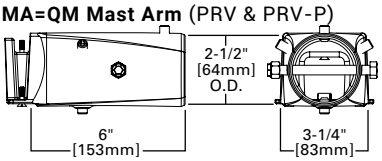
WM=QM Wall Mount Arm (PRV & PRV-P)



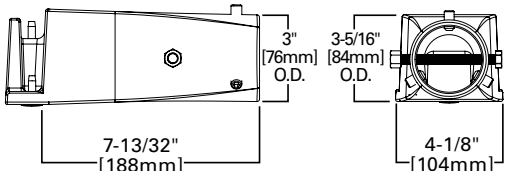
WM=QM Wall Mount Arm (PRV-XL)



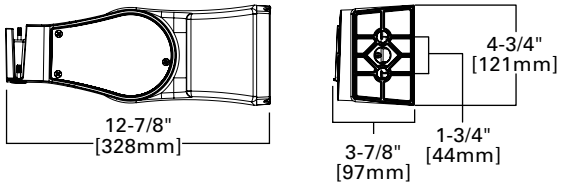
MA=QM Mast Arm (PRV & PRV-P)



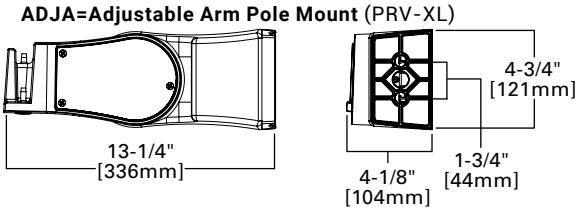
MA=QM Mast Arm (PRV-XL)



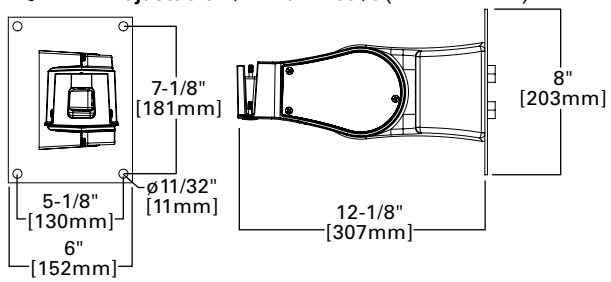
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



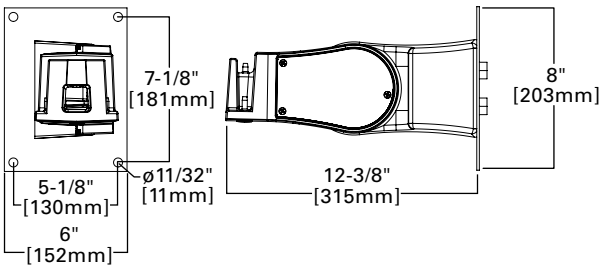
ADJA=Adjustable Arm Pole Mount (PRV-XL)



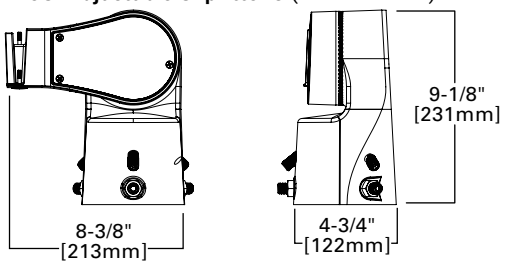
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



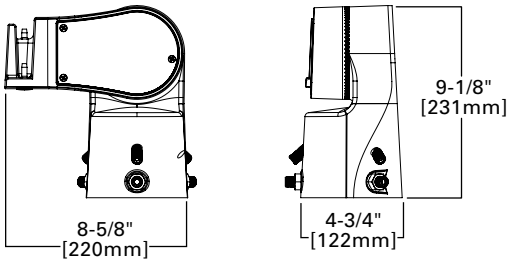
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)



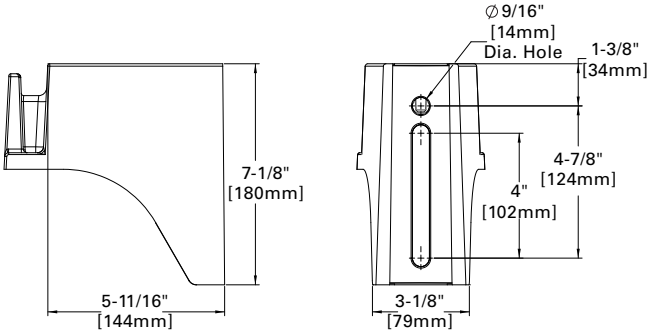
ADJS=Adjustable Slipfitter 3 (PRV-XL)



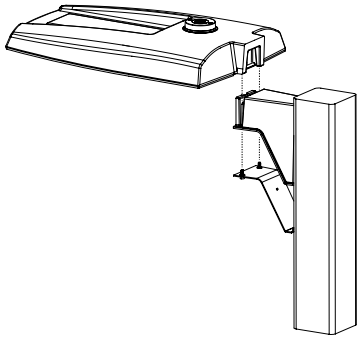
LABEL- SP1

Mounting Details

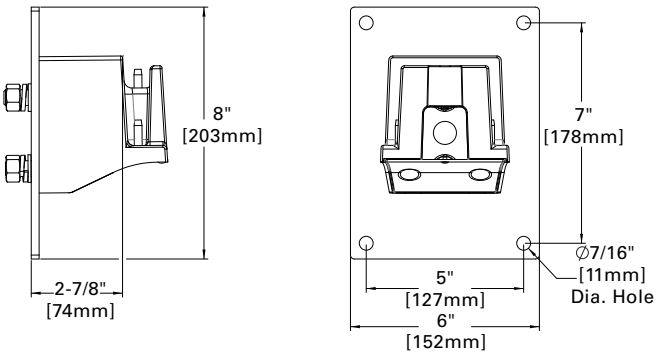
SA=QM Pole Mount Arm (PRV-M)



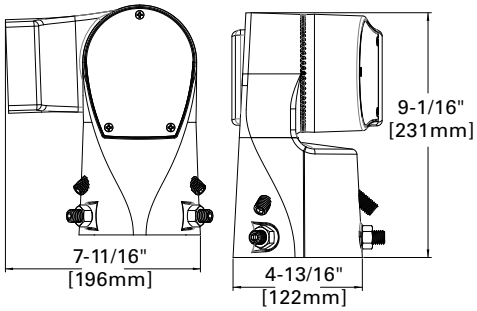
Versatile Mount System



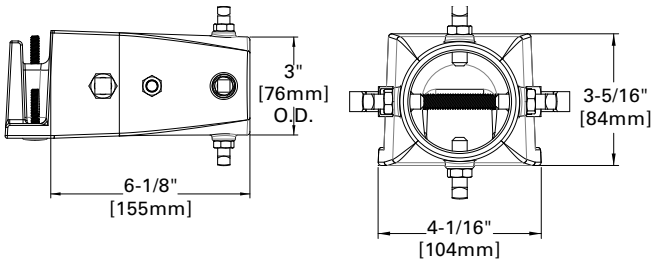
WM=QM Wall Mount Arm (PRV-M)



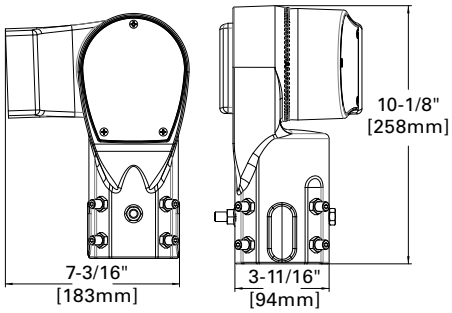
ADJS=Adjustable Slipfitter (PRV-M)



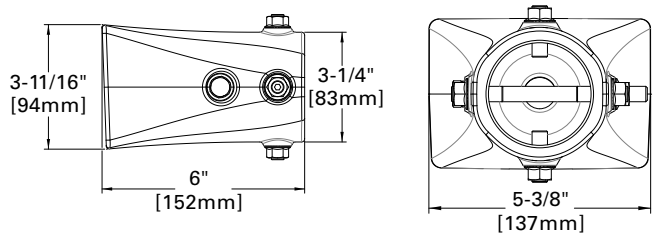
MA=QM Mast Arm (PRV-M)



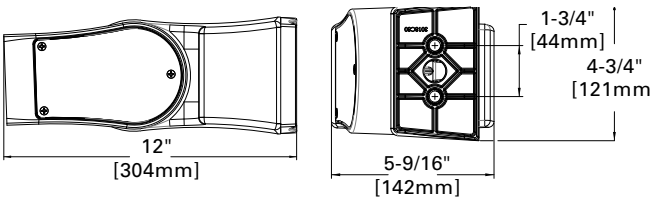
SP2=Adjustable Slipfitter 2-3/8" (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



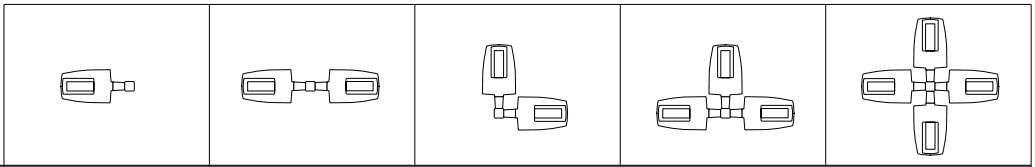
ADJA=Adjustable Pole Mount Arm (PRV-M)



LABEL- SP1

Mounting Details

Mounting Configurations and EPAs

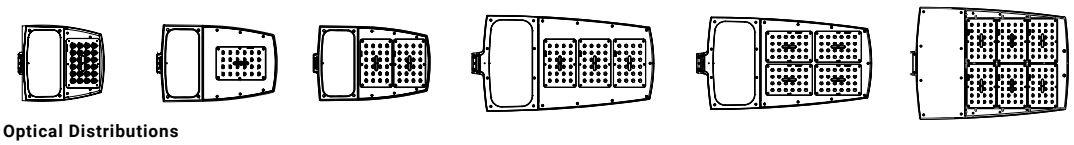


Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications

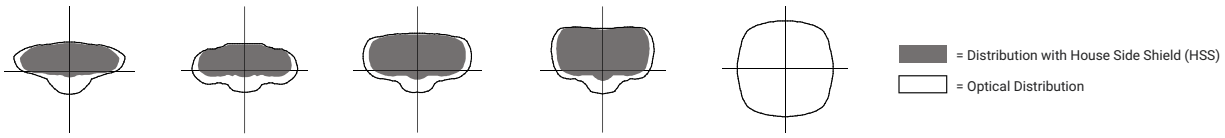
Optical Configurations

PRV-P-PA1X **PRV-PA1X** **PRV-PA2X** **PRV-XL-PA3X** **PRV-XL-PA4X** **PRV-M-PA6X**



Optical Distributions

T2R (Type II Roadway) **T2U** (Type II Urban) **T3** (Type III) **T4W** (Type IV Wide) **5WQ** (Type V Square Wide)



Product Specifications

Optics
- Precision molded polycarbonate optics

Electrical
- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

Physical Characteristics
- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door
- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)
- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only

Controls
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels; Comes pre-set to the highest position at the lumen output selected

Compliance
- DarkSky approved for 3000K CCT and warmer, with mounting options less than 10° of tilt.
- DLC and DLC Premium listed – visit designlights.org to confirm listed variations
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated
- BAA domestic preference option meets BAA requirements. See DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Typical Applications
- Parking lots
- Walkways
- Roadways
- Building Areas

Shipping Data
- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

LABEL- SP1

Energy and Performance Data

Power and Lumens

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Product Family		Prevail Petite				Prevail				Prevail XL				Prevail Maxx			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54
Input Current @ 277V (A)		0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94
Input Current @ 347V (A)		0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60
Input Current @ 480V (A)		0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens [1]	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens [1]	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens [1]	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens [1]	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens [1]	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27466	34717	40872	44818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens [1]	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens [1]	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens [1]	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:

1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

LABEL- SP1

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

Control Options

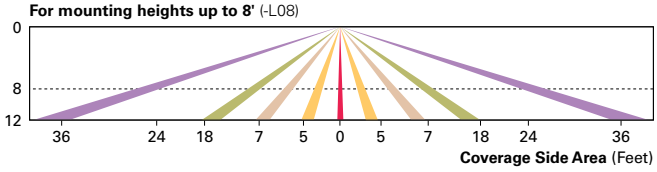
LABEL- SP1

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

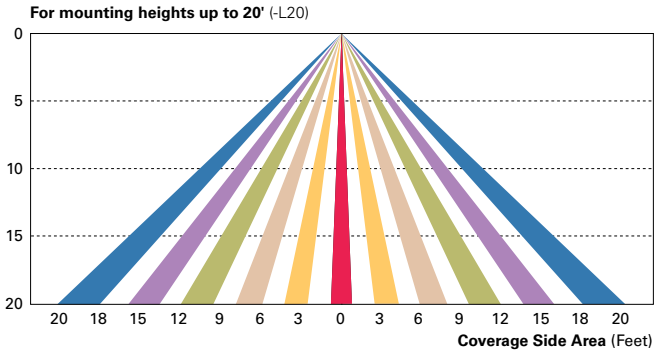
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

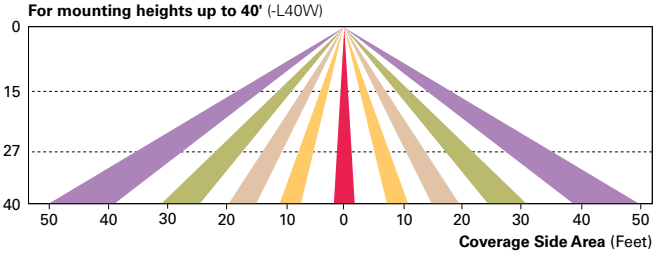
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

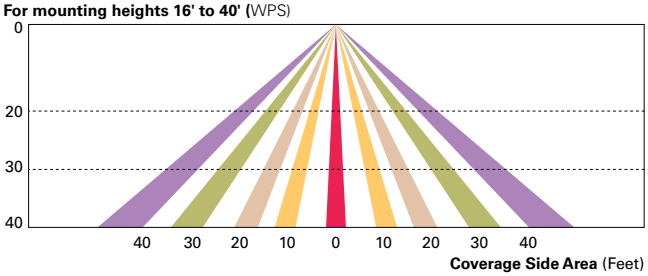


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx PRO Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights 16' to 40' (WPS)



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

LABEL- SP2

Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

Invue

ARB Arbor Post Top

Decorative Luminaire

Product Features

BAA · BABA · WaveLinx Digital Lighting Control Solutions

Interactive Menu

Product Certifications

ISO Certified · IP66 · DarkSky Approved · UL Certified · 3G VIB · 1.5G VIB

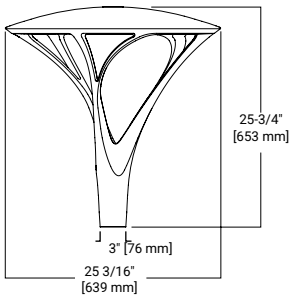
Quick Facts

- Low copper content two piece aluminum housing
- Type II, III and IV asymmetric and type V symmetric NEMA distributions
- Up to 110 LPW
- 4000K @ 70 CRI standard, other options are available
- 3G vibration rated (post top) and 1.5G (single/twin pole accessories)
- Wall mount accessories available

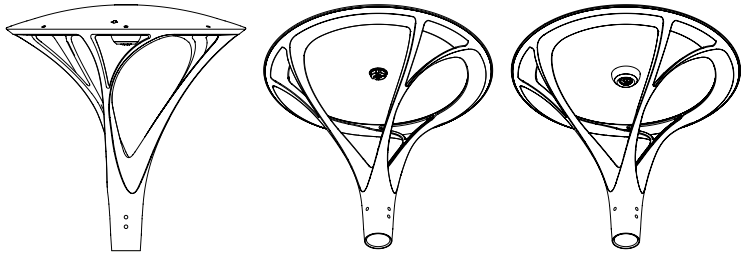
Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional and Mounting Details



Pole Mount



Pole Mount with WaveLinx

Weight: 37 lbs. [16.8 kgs.]
EPA: 0.9 Sq. Ft.

Ordering Information

LABEL- SP2

SAMPLE NUMBER: **ARB-B2-LED-D1-T2-GM**

Product Family [1, 2]	Lumens [3]	Lamp Type	Voltage	Distribution	Color [7]
ARB=Arbor Post Top **BAA-ARB**=Arbor Post Top Buy American Act Compliant [23] **BABA-ARB**=Build America Buy America Act [29]	**B1**=Nominal 2,300 Lumens **B2**=Nominal 4,500 Lumens **B3**=Nominal 8,500 Lumens **B4**=Nominal 9,500 Lumens [4]	**LED**=Solid State Light Emitting Diodes	**D1**=Dimming Driver (120-277V) **347**=347V [5] **480**=480V [5, 6]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)	Accessories (Order Separately) [8]
7030=70 CRI / 3000K CCT [8] **7035**=70 CRI / 3500K CCT [8] **8030**=80 CRI / 3000K CCT [8] **8035**=80 CRI / 3500K CCT [8] **AMB**=Amber 590nm [11, 25] **20MSP**=Parallel 20kV MOV Surge Protection Device **20K**=Series 20kV UL 1449 Surge Protection Device **PC**=Button Type Photocontrol **PER**=NEMA 3-PIN Twistlock Photocontrol Receptacle **PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle **HA**=50°C High Ambient Temperature [9] **SPB1**=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [21] **SPB2**=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [21] **SPB4**=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [21] **MS-L08**=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [10, 11] **MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [10, 11] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [10, 11] **MS/DIM-L08**=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [10, 11] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [10, 11] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [10, 11] **WLS2XX=**WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting **WLS4XX=**WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting **WPS2XX=**WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [10, 12, 13, 18, 27] **WPS4XX=W**aveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [10, 12, 13, 18, 27] **5LTD**=Fifth Light Dali Driver [10, 16] **DIM**=0-10V External Dimming Leads [10, 17] **VS**=Tempered Glass Vandal Shield **CC**=Coastal Construction [22] **SPBL2**=FDP-301-L2 (Wattstopper DALI sensor) **SPBL4**=FDP-301-L7 (Wattstopper DALI sensor) **TH**=Toolless hardware **F**=Single Fuse [26]	**ARSA-XX**=Single Pole Mount Arm [18] **ARWM-XX**=Wall Mount Arm **ARTA15-XX**=Twin Mount Bracket [19] **ARPA4-XX**=Pole Adapter 4" O.D. Pole **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [19] **WOLC-7P-10A**=Wavelinx Outdoor Control Module (7-PIN) [10, 20]

NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional information.
2. Fixture slipfits over standard 2-3/8" tenon. 3" O.D. tenon when used with a ARPA4-XX 4" O.D. pole adapter.
3. Standard 4000K CCT, nominal 70CRI.
4. B4 only available with Type V distribution.
5. Requires the use of a step down transformer.
6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
7. Custom and RAL color matching available upon request. Consult your lighting representative for more information.
8. Extended lead times apply. Use dedicated IES files when performing layouts.
9. Not available with B3 lumen package in Type II, III, or IV distributions.
10. Controls system is not available with photocontrol (PC), photocontrol receptacle (PER or PER7), or controls systems MS, LWR, DIM or SPBx.
11. Not available with HA option.
12. Sensor passive infrared (PIR) may be overly sensitive below -20°C (-4°F).
13. For device to be field-configurable, requires WAC Gateway components WAC-POE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more WaveLinx application information.
14. Not available on B1 or B4 lumen packages.
15. Not available in B4 lumen package.
16. Low voltage control leads brought 18" outside fixture.
17. Replace XX with paint color.
18. Fits on 3" O.D. x 4" long tenon for nominal 4-1/2" O.D. pole top.
19. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
20. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Operates on 120-347V input voltages.
21. Smart device with mobile application required to change system defaults. See controls section for details.
22. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
23. Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
24. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
25. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Lumen Package B1. See IES files for photometric performance.
26. Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg.
27. Not available with 5LTD option.
28. IDA Certified for 3000K CCT and warmer only
29. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

ARP ORDERING INFORMATION (ALUMINUM DECORATIVE POLE)

LABEL- SP2

SAMPLE NUMBER: **ARP5L310ABZ2**

Product Family	Shaft Size (Inches) [1]	Wall Thickness (Inches)	Pole Top Diameter (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Options (Add as Suffix)
ARP= Aluminum Round Tapered Decorative **BAA-ARP=** Aluminum Round Tapered Decorative Buy American Act Compliant [36]	**5=** 5"	**L=** 0.156" **M=** 0.188"	**3=** 3" O.D. [2] **6=** 4" O.D. [3]	**10=** 10' **12=** 12' **14=** 14' **16=** 16' **18=** 18' [4] **22=** 22' [4]	**A=** Aluminum (Round 4-Bolt Pole)	**AP=** Grey **BA=** Anodized Bronze **BK=** Black **BZ=** Bronze **CA=** Anodized Clear **DA=** Anodized Black **DP=** Dark Platinum **GM=** Graphite Metallic **GN=** Hartford Green **WH=** White	**2=** 2-3/8" O.D. Tenon (4" Long) **5=** 3" O.D. Tenon (4" Long)	**X=** None	**C=** Convenience Outlet [5] **E=** GFCI Convenience Outlet [5] **G=** Ground Lug **V=** Vibration Dampener [4]

NOTES:
1. All shaft sizes nominal.
2. Provides 3" O.D. pole top suited for Arbor Post Top.
3. Provides 4" O.D. pole top suited for LuxeScape post tops.
4. Vibration damper recommended over 18 feet add suffix "V" to catalog number.
5. Specify outlet location. Receptacle not included, provision only.

Product Specifications

Construction
- Two-piece housing is cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance
- ANSI C136.31 testing compliance prevents damage from installation generated vibration
- External hardware and casting seams are minimized to enhance appearance

Optics
- Specifically designed for pedestrian applications, WaveStream LED optical waveguide technology produces both symmetric NEMA type V and asymmetric NEMA II, III, IV distributions
- The waveguide is manufactured from precision injection molded acrylic resulting in a pixelation free optical image for improved glare control and visual comfort
- Luminaire efficacy's measure up to 110 lumens per watt for 4000K (+/- 275K) CCT at 70 CRI (min), other CCT and CRI options are available
- Turtle-safe 590nm amber option available

Electrical
- LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance
- 0-10V dimming compatibility is standard
- 10kV surge protection is standard
- Drivers operate at 120-277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional

Controls
- The Arbor LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions
- The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol
- See control options page for more details

Mounting
- Fixture is designed to slip-fit over a 2-3/8" tenon and is secured via six concealed stainless steel set screws
- Fixture seamlessly matches a 3" O.D. round pole top
- Utilize the pole mount adapter accessory "ARPA4-XX" to mount to a 3" diameter x 4" long tenon on 4" to 5" O.D. pole tops

Finish
- Premium TGIC based polyester powder coatings are specifically formulated to withstand years of outdoor service
- Finishes are compliant with ASTM B117 3000 hour salt spray standard
- RAL and custom colors are available. Additional charges and lead times apply

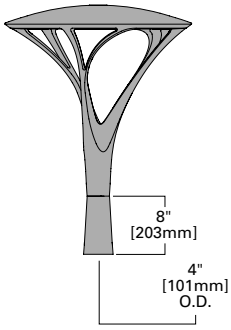
Compliance
- cULus certified for -40° to 40°C ambient environments, with high ambient options suitable up to 50°C
- IP66 rated
- Domestic preference option available to meet BAA requirements
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams
- Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- DarkSky approved for 3000K CCT and warmer

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

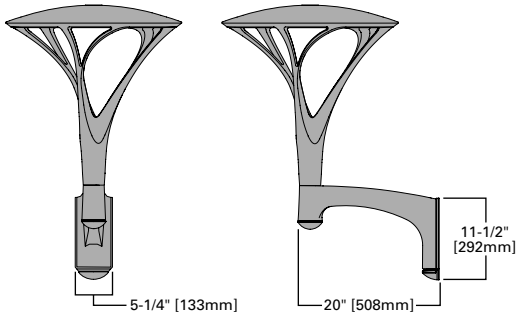
Mounting Configurations (Weight and EPAS includes fixture)

LABEL- SP2

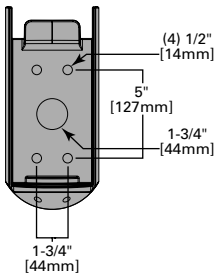
Post Top Adapter (ARPA4-XX)
Weight: 41 lbs. [18.63 Kgs.]
EPA: 1.2 Sq. Ft.



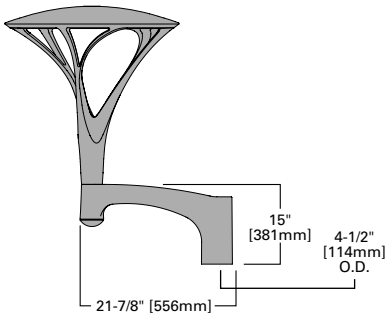
Wall Mount Arm (ARWM-XX)
Weight: 57 lbs. [25.91 Kgs.]
EPA: 1.8 Sq. Ft.



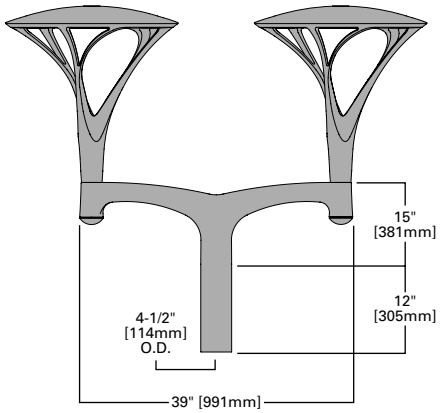
Wall Mount Arm Drill Pattern



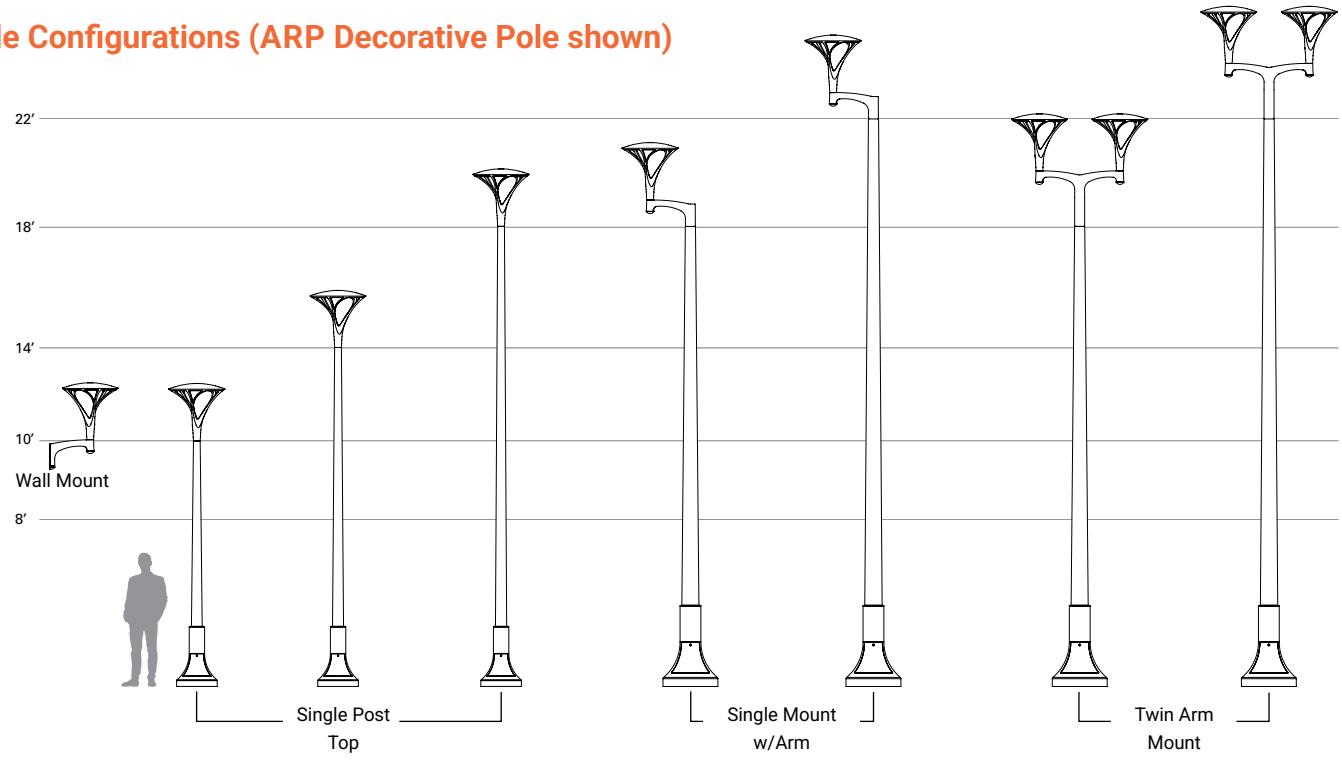
Single Arm Mount (ARSA-XX)
Weight: 56 Lbs. [25.45 Kgs.]
EPA: 1.7 Sq. Ft.



Twin Arm Mount (ARTA15-XX)
Weight: 114 lbs. [51.81 Kgs.]
EPA: 3.45 Sq. Ft.



Pole Configurations (ARP Decorative Pole shown)



Optical Distributions

LABEL- SP2

View IES files

Power and Lumens

Lumen/Distribution		B1	B2	B3	B4
Power Wattage (Watts)		24W	48W	96W	99W
Input Current (mA) @ 120V		200	400	800	830
Input Current (mA) @ 208V		120	240	470	480
Input Current (mA) @ 240V		100	200	400	420
Input Current (mA) @ 277V		90	180	350	360
Power Wattage (Watts)		26W	53W	107W	108W
Input Current (mA) @ 347V		79	161	325	328
Input Current (mA) @ 480V		58	117	235	237
Optics					
Type II	Lumens	2,045	3,994	7,362	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type III	Lumens	2,324	4,534	8,451	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type IV	Lumens	2,408	4,691	8,740	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type V	Lumens	2,311	4,529	8,511	9,464
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	B3-U0-G3

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Calculated L70 (HOURS)
25°C	>94%	>230,000
40°C	>88%	>172,000
50°C	>86%	>142,000

Note: Maintenance data applies to the highest drive current and represents the worst case at the highest wattage.

Color Temperature

Color Temperature (CCT)	CRI (Nominal)	Multiplier
4000	70	1.00
3000	80	0.91

Lumen Multiplier

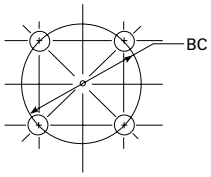
Lumen Package	Temperature
B1	-40°C
B2	-35°C
B3	-35°C
B4	-40°C
All DALI powered lumen packages	-20°C

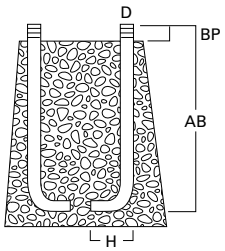
Power and Lumens

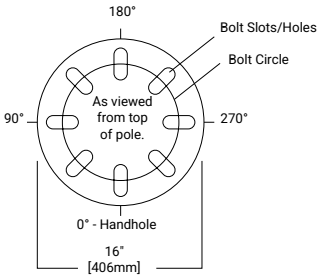
Lumen Package			B1	B2	B3	B4
CRI/CCT (Nominal)	**Distribution**					
7030: 70CRI / 3000K	Type II	Lumens	1893	3994	6815	-
		Lumens Per Watt	78.9	83.2	68.8	-
		BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	-
	Type III	Lumens	2324	4534	7823	-
		Lumens Per Watt	96.8	94.5	79.0	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type IV	Lumens	2408	4691	8090	-
		Lumens Per Watt	100.3	97.7	81.7	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type V	Lumens	2311	4529	7878	8761
		Lumens Per Watt	110.0	110.5	91.6	91.3
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3
8030: 80CRI / 3000K	Type II	Lumens	1708	3336	6149	-
		Lumens Per Watt	71.2	69.5	62.1	-
		BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	-
	Type III	Lumens	1941	3787	7058	-
		Lumens Per Watt	80.9	78.9	71.3	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type IV	Lumens	2011	3918	7300	-
		Lumens Per Watt	83.8	81.6	73.7	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type V	Lumens	1930	3783	7108	7904
		Lumens Per Watt	91.9	92.3	82.7	82.3
		BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3

LABEL- SP2

Anchorage Data

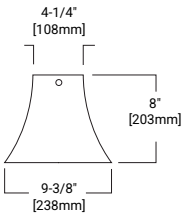






Anchor Base Detail

Access Door



Tenon O.D. (Inches)	Anchor Bolt and Template Package	Shaft Diameter (inches)	Bolt Circle (inches)	Number of Bolts	Bolt Size (inches)	Template Only
Aluminum Round Decorative Pole (ARP)	317AVE30	4 x 5	9	4	3/4 x 17	407040D

Effective Projected Area (At Pole Top)

Mounting Height (Feet)	Catalog Number	Wall Thickness (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection (Inches)	Shaft Taper (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) (1.3 gust factor)			Max. Load (Pounds)
MH			BC	BP	B	AB[1]		80 mph	90 mph	100 mph	
10	ARP5L310A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	57	20.0	17.5	14.1	120
10	ARP5L610A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	57	17.0	13.3	10.7	120
12	ARP5L312A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	62	18.2	14.1	11.2	120
12	ARP5L612A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	62	14.1	10.9	8.7	120
14	ARP5L314A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	67	14.8	11.4	9.0	120
14	ARP5L614A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	67	11.7	9.0	7.1	120
16	ARP5L316A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	72	12.0	9.1	7.0	120
16	ARP5L616A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	72	9.4	7.1	5.6	120
18	ARP5L318A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	77	9.5	7.1	5.4	120
18	ARP5L618A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	77	7.6	5.6	4.3	120
18	ARP5M618A	0.188	9.0	3.5	5 X 4	3/4 X 17 X 3	83	9.5	7.1	5.6	120

Effective Projected Area (18" Above Pole Top)

Mounting Height (Feet)	Catalog Number	Wall Thickness (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection (Inches)	Shaft Taper (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) (1.3 gust factor)			Max. Load (Pounds)
MH			BC	BP	B	AB[1]		80 mph	90 mph	100 mph	
10	ARP5L310A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	57	19.6	15.3	12.3	120
10	ARP5L610A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	57	17.0	13.3	10.7	120
12	ARP5L312A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	62	16.1	12.5	9.9	120
12	ARP5L612A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	62	14.1	10.9	8.7	120
14	ARP5L314A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	67	13.2	10.1	8.0	120
14	ARP5L614A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	67	11.7	9.0	7.1	120
16	ARP5L316A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	72	10.6	8.0	6.2	120
16	ARP5L616A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	72	9.4	7.1	5.6	120
18	ARP5L318A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	77	8.5	6.4	4.8	120
18	ARP5L618A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	77	7.6	5.6	4.3	120
18	ARP-5M618A	0.188	9.0	3.5	5 X 4	3/4 X 17 X 3	83	9.5	7.1	5.6	120

LABEL- SP2

Control Options

0-10V (D)

The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

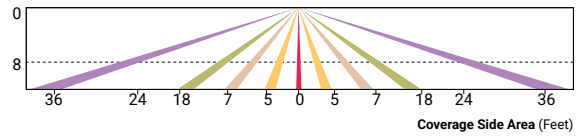
Photocontrol (PER and PER7)

Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

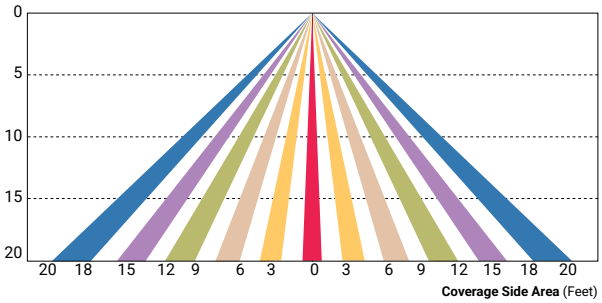
Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

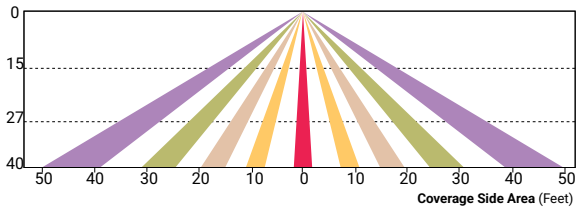
For mounting heights up to 8' (SPB1, -L08)



For mounting heights up to 20' (SPB2, -L20)



For mounting heights up to 40' (SPB4, -L40W)



WaveLinx Wireless Control and Monitoring System

Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

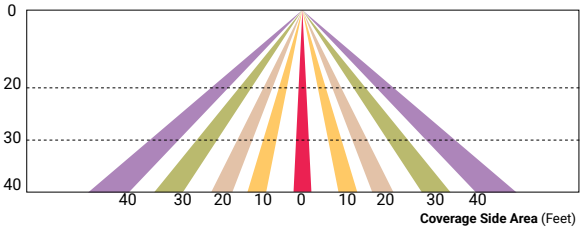
WaveLinx Outdoor Control Module (WOLC-7P-10A)

A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

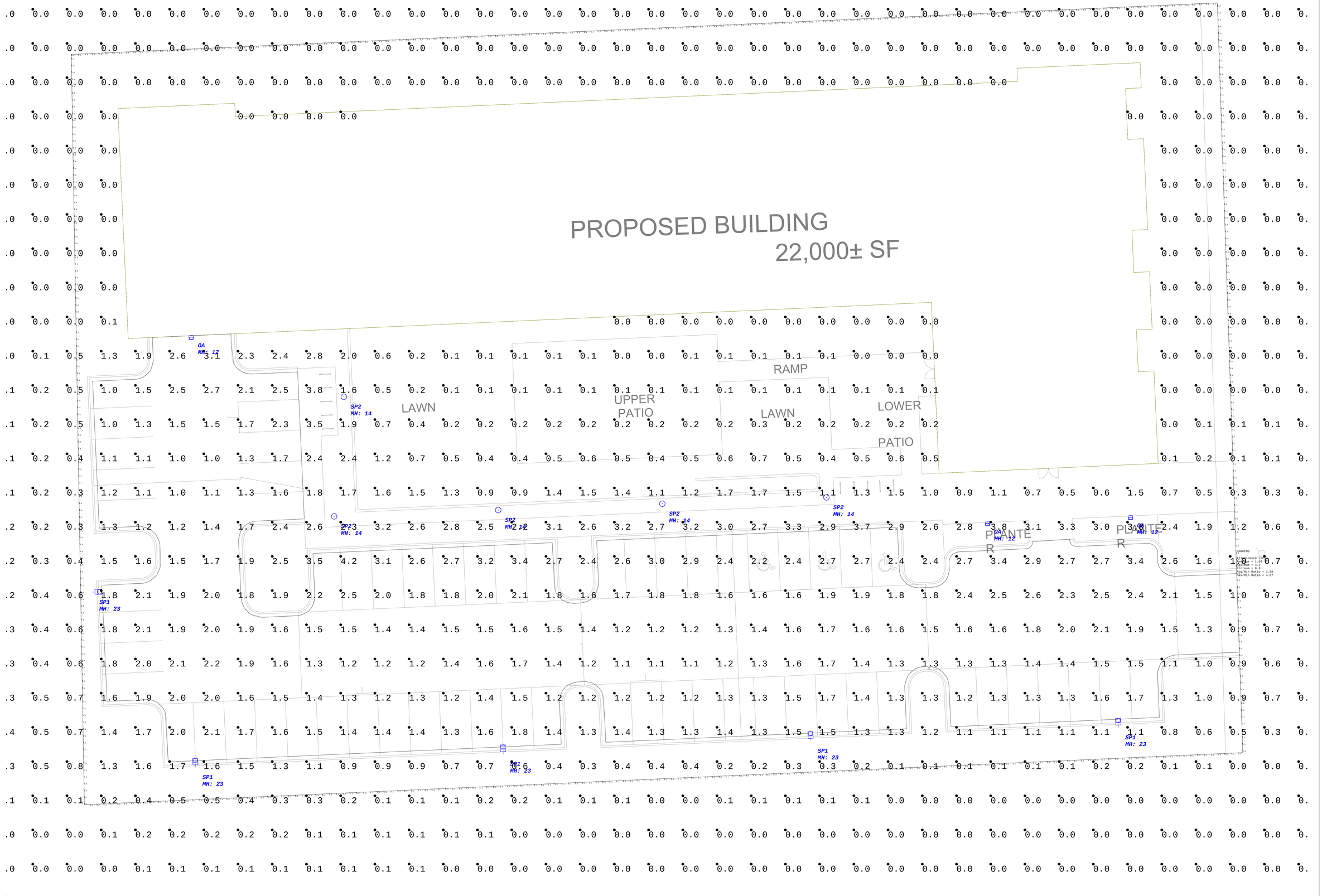
WaveLinx Wireless Sensor (WPS2 and WPS4)

These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights up to 16' to 40' (WPS)



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com



1. Standard Reflectance of 80/50/20 unless noted otherwise
2. Not a Construction Document, for Design purposes only
3. Standard indoor calc points @ 30" A.F.F. unless noted otherwise
4. Standard outdoor calc points @ Grade unless noted otherwise
5. Egress calc points @ 0" A.F.F.
6. Mlazgar Associates assumes no responsibility for installed light levels due to field conditions, etc.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
OVERALL	Illuminance	Fc	0.30	4.2	0.0	N.A.	N.A.
PROPERTY LINE	Illuminance	Fc	0.20	1.1	0.0	N.A.	N.A.
PARKING	Illuminance	Fc	1.69	4.2	0.9	1.88	4.67

Luminaire Schedule								
Symbol	Qty	Label	Manufacturer	Description	Arrangement	Lum. Lumens	Lum. Watts	LLF
	3	OA		PRV-P-PA1A-740-U-T4W	Single	4348	30.7	0.900
	5	SP1		PRV-PA1B-740-U-T4W-HSS	Single	7053	74	0.900
	5	SP2		ARB-B2-LED-D1-T4	Single	4691	48	0.900

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MLAZGAR ASSOCIATES

#	Date	Comments

Revisions

RLMA Project #: 178706
Drawn By: BS
Date: 10/6/2025

Scale: 1" = 10'

PHOTOMETRIC

MAYFAIR APARTMENTS