DEPARTMENT OF CITY DEVELOPMENT

City of Racine, Wisconsin

build up RACINE

Application for Conditional Use Review

Applicant Name: David Kane c/o North Shore Bank FSB

Address: 15700 W. Bluemound Road City: Brookfield

State: WI Zip: 53005

Telephone: (262) 787-6816 Cell Phone: _____

Email: dkane@northshorebank.com

Agent Name: Ryan Schmitz c/o Plunkett-Raysich Architects LLP

Address: 209 South Water Street City: Milwaukee

State: WI Zip: 53204

Telephone: 414-410-2949 Cell Phone: _____

Email: rschmitz@prarch.com

Property Address (Es): 4923 Washington Ave.

Current Zoning: B-2 Community Shopping

Current/Most Recent Property Use: Bank (Financial Services Branch)

Proposed Use: Bank (No change from current use)

The application will be evaluated using the standards of Sec. 114-154 of the Municipal Code (below). Please use the space to justify and explain how your proposal addresses these conditions; use an additional sheet if necessary.

(1) The establishment, maintenance, or operation of the conditional use will not be detrimental to, or endanger, the public health, safety, morals, comfort, or general welfare;

North Shore Bank will continue to operate this branch location as it currently is. No changes are proposed to the services offered or hours of operation.

(2) The conditional use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood;

The purpose of this alteration is to employ corporate brand identity standards to this branch. The goal is provide a more consistent and refreshed architectural aesthetic. Secondary goal is to better conceal mechanical units and trash dumpsters in larger enclosure that matches the building architecture.

(3) The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district;

No impediments are noted.

(4) Adequate utilities, access roads, drainage and/or necessary facilities have been or are being provided;

No major changes to utilities, access or drainage are proposed.

(5) Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets;

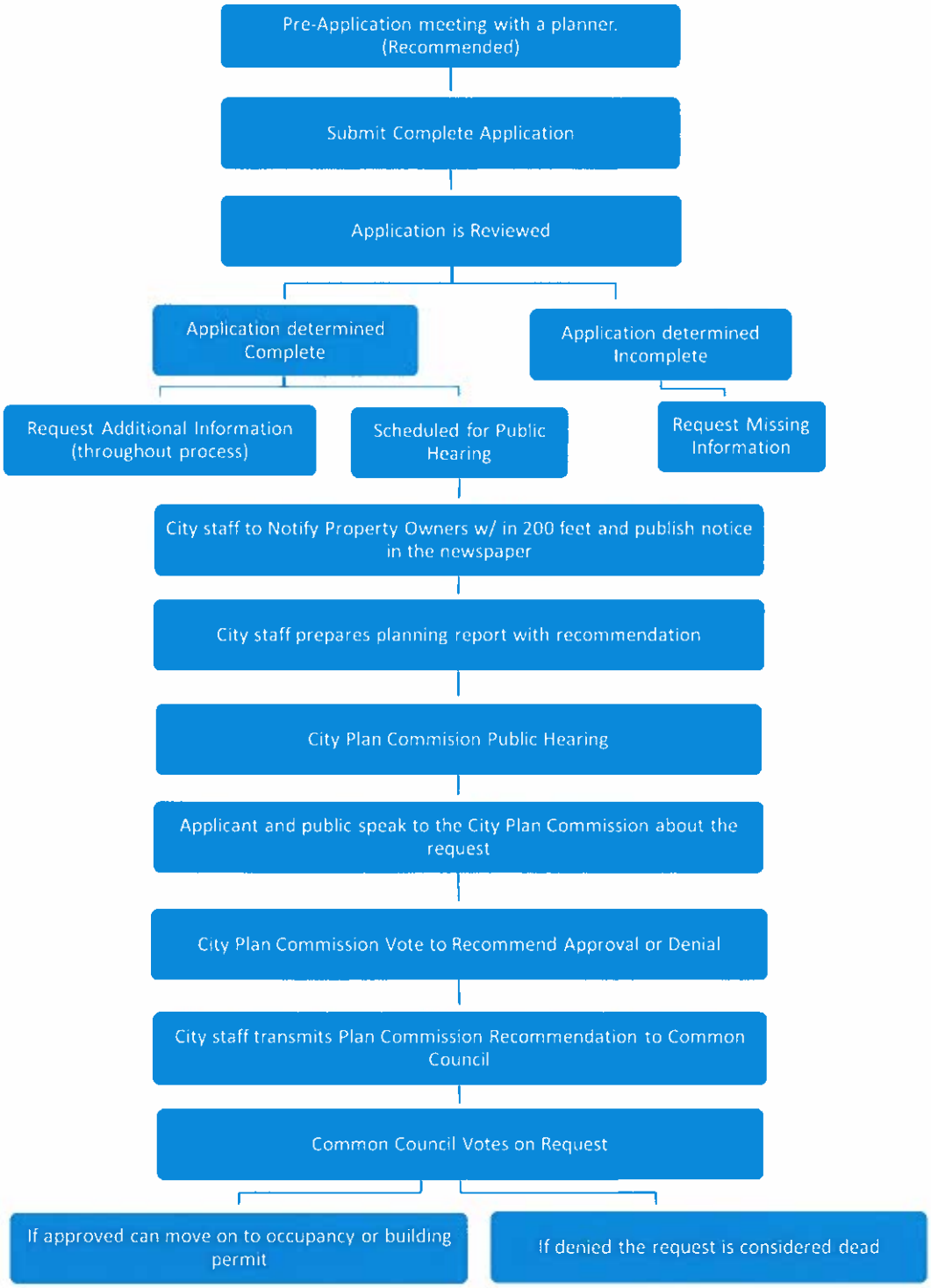
No major changes to site ingress or egress are proposed.

(6) The proposed conditional use is not contrary to the objectives of the current land use plan for the city; and

No contradictions are noted. Operations are to remain as they currently exist.

(7) The conditional use shall, in all other respects, conform to the applicable regulations of the district in which it is located, except as such regulations may, in each instance, be modified pursuant to the recommendations of the plan commission.

Application Review Process



If the required supplemental materials, which constitute a completed application, are not submitted, the application will not be processed.

Required Submittal Format

1. An electronic submission via email/USB drive/CD/Download link; and
2. One (1) paper copy, no larger than 11" x 17" size.

Required Submittal Item	Applicant Submitted	City Received
1. Conditional Use Review Application		
2. Written description of project, including: a. Hours of operation b. Anticipated delivery schedule c. Maintenance plan d. General use of the building and lot	✓	
3. Site Plan (drawn to scale), including: a. Fully dimensioned property boundary b. All buildings (existing and proposed) c. Setbacks from property lines d. Identification as to whether all elements are "Existing" or "Proposed" e. Dimensioned parking spaces and drive aisle layout f. Trash enclosure location and materials g. Loading spaces h. Fire hydrant locations i. Location of signage, with setbacks	✓	
4. Zoning Analysis Table a. Land area (in acres and square feet) b. Building area (in square feet) c. Setbacks (required yards in feet) d. Floor Area Ratio (building area divided by lot area) e. Lot Coverage (building footprint divided by lot area) f. Height of all buildings and structures g. Percentage of greenspace (landscaped areas divided by lot area) h. Parking spaces		
5. Landscape Plan a. Bufferyards b. Parking Areas c. Screening and fencing locations d. Plant lists including the following: Latin and Common Names, Number of each planting material, and Size at planting.		

Required Submittal Item	Applicant Submitted	City Received
6. Lighting Plan a. Location of light fixtures b. A cut sheet of light fixtures with indication of cut-offs or shielding c. Illumination diagram indicating intensity of lighting on the property.	✓	
7. Floor Plan a. Preliminary floor plan layout of all buildings/structures b. Labels for the type of use of the area c. Labels for square footage of the area	✓	
8. Engineering Plan a. Stormwater Plan (Drainage pattern, flow, detention) b. Existing and proposed roadway and access configurations c. Cross access		
9. Signage Plan a. dimensioned color elevations of signage b. A diagram showing the location of the proposed signage		
10. Building/site elevations (if new building or exterior changes planned) a. Building elevations showing all four sides of the buildings in color b. Elevation of trash enclosure area	✓	
11. Building Material Samples (if making exterior changes)	✓	
12. Review Fee	✓	

Acknowledgement and authorization signatures

A conditional use is not like a building permit; applying does not mean it will be approved.

The approval may contain conditions related to the improvement of the site which must be met prior to the issuance of a building occupancy permit. Conditions related to the operational aspect(s) of the business must be complied with at all times. That, in the event site improvement work required by ordinance cannot be completed prior to desired occupancy, a financial assurance, at 100% of the improvement estimate, guaranteeing completion of the required improvements must be placed on file with the City of Racine. Estimates and Assurance documents are subject to the review and final approval by the City. Improvements may include but are not limited to landscaping, fencing, lighting, pavement surfacing and sealing, dumpster enclosures, and exterior building improvements;

The signature(s) hereby certify that the statements made by myself and constituting part of this application are true and correct. I am fully aware that any misrepresentation of any information on this application may be grounds for denial of this application.

Owner Signature (acknowledgement and authorization): _____ Date: 3/29/21

Applicant Signature (acknowledgement): Ryan A. Schmitz Date: 3/29/2021

NORTH SHORE BANK
Corporate Office: 15700 W Bluemound Rd-Brookfield, WI 53005
262.785.1600 | northshorebank.com

March 22, 2021

Jeff Hintz, Associate Planner
City of Racine
730 Washington Avenue, Room 102
Racine, WI 53403

Subject: **Plan of Operation for North Shore Bank Branch at 4923 Washington Avenue, Racine, WI.**

Mr. Hintz,

Please share the outline of the following applicable items with the Plan Commissioners:

1. Name of business and address:
   North Shore Bank
   4923 Washington Ave
   Racine, WI 53403

2. Name of the owner and address:
   North Shore Bank
   15700 W. Bluemound Road
   Brookfield, WI. 53005

3. Name of applicant:(if different from owner)
   David Kane, Vice President

4. Specific use of the entire property and buildings:
   Building use is for conducting banking business
   Site use is for drive up teller service and parking

5. Minimum and maximum number of employees:
   Minimum; 4 persons
   Maximum; 15 persons

6. Days of operation:
   Sunday through Saturday

7. Hours of operation:
   ATM – 24/7; Video Tellers (ITM) 7 days/week M-F 8:00am to 7pm, Saturday 8:00am to 5:00pm, Sunday 10:00am to 4:00pm, Branch hours Monday to Thursday 9:00am to 5:00pm and Saturday, 9:00am to 2:00pm

8. Security fencing:
   None

9. What provisions are you making for fire protection and human safety:
   Fire extinguishers located within the building
   Smoke / heat / security detectors monitored off site with closed circuit video surveillance

10. What are you rules and regulations for the property?
    No unauthorized use of the site by others during or after-hours including parking.

11. Proposed on site security, measures:
    Smoke / heat / security detectors monitored off site with closed circuit video surveillance

12. Anticipated maximum number of facility users and viewers at one time (Including special events):
    30 Persons

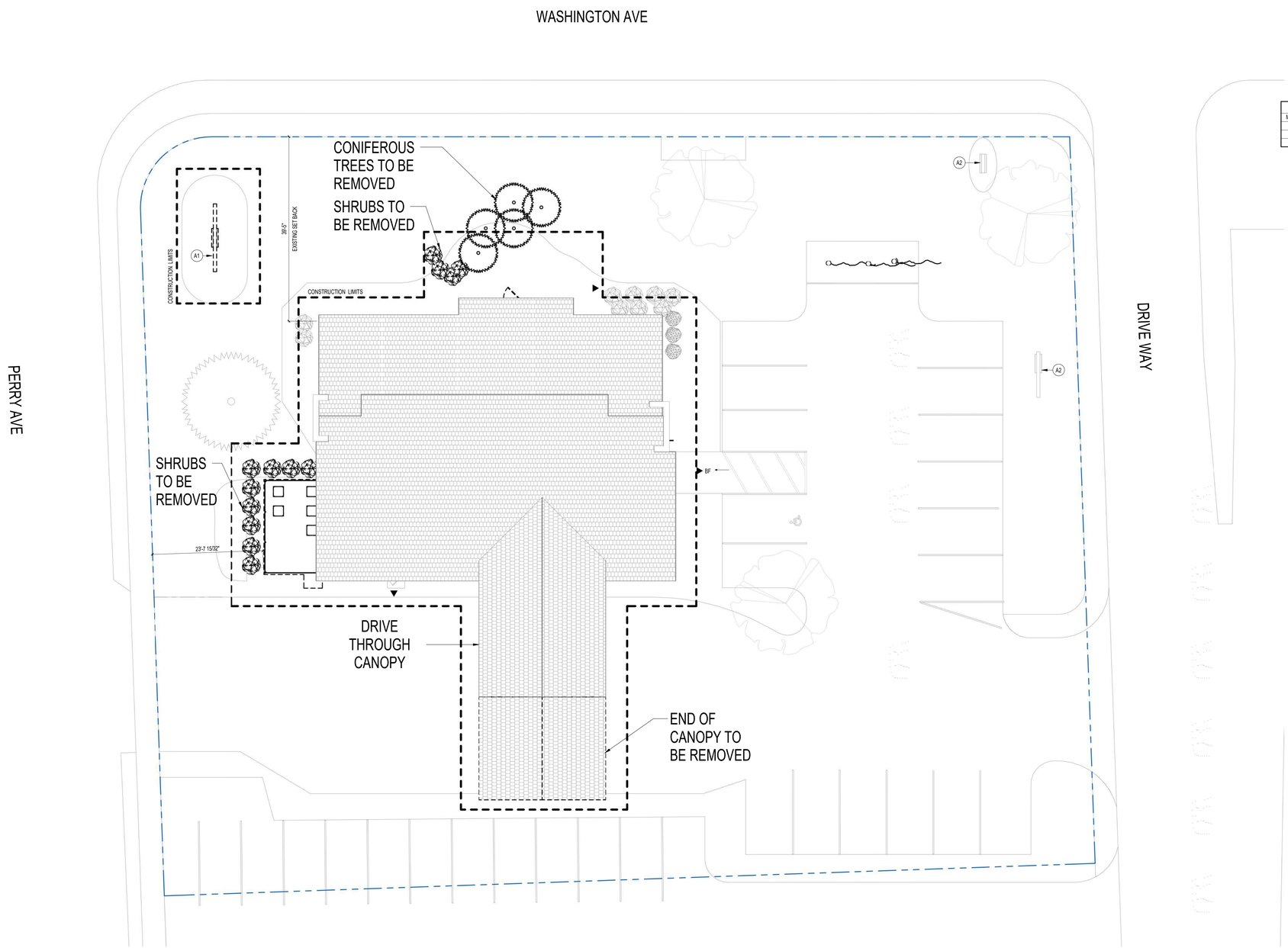
13. Any other information you or the Plan Commission feels is pertinent:
    Dumpster enclosure.

14. Business plan:
    Continue to provide North Shore Bank customers in the local Racine area with lobby, ITM and drive up banking services

15. Your name, Signature, and date on the Plan of Operation Document:

    By: _____
    Title: _____
    Date: _____

David Kane, V.P.
North Shore Bank
15700 W. Bluemound Rd.
Brookfield WI. 53005
262-787-6816
dkane@northshorebank.com



ARCHITECTURAL SITE PLAN - Existing
1" = 10'-0"

SITE PLAN SYMBOLS LEGEND

- (X) SITE PLAN NOTE
- ▲ EXIT
- ▲ BF ← BARRIER FREE ACCESS & ROUTE
- CONSTRUCTION LIMITS
- PROPERTY LINE

SITE PLAN GENERAL NOTES

A. FIELD VERIFY DIMENSIONS AND CONDITIONS AT JOB SITE.

B. REFER TO SITE SURVEY, GRADING PLAN, SITE UTILITIES PLAN, STORM WATER MANAGEMENT PLAN, EROSION CONTROL PLAN, LANDSCAPING PLAN, PLUMBING PLAN, HVAC PLAN AND ELECTRICAL PLAN FOR ADDITIONAL INFORMATION PERTAINING TO SITE PLANNING.

C. MARK ALL UTILITIES. ALL DAMAGED UTILITY OR SERVICES ARE TO BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

D. FIELD VERIFY EXISTING FLOOR ELEVATIONS.

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
WIS STATUTE 182.0175(1974)
REQUIRES MIN. 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE
MILW. AREA (414) 259-1181

ARCHITECTURAL SITE PLAN NOTES	
MARK	DESCRIPTION
A1	EXISTING SIGNAGE TO BE REMOVED
A2	EXISTING SIGNAGE TO REMAIN

INFORMATION SHOWN ON THIS DRAWING IS BASED ON AN ORIGINAL SURVEY DEVELOPED BY THE REGISTERED SURVEYOR IDENTIFIED HEREON AND UNDER A SEPARATE CONTRACT WITH THE OWNER. THE ARCHITECT MAKES NO WARRANTIES OR REPRESENTATIONS AS TO THE ACCURACY AND COMPLETENESS OF THE SURVEY AND PROVIDES THIS INFORMATION ONLY AS A CONVENIENCE TO THE CONTRACTOR.

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NORTH SHORE BANK
WESTGATE BRANCH RENOVATIONS
4923 WASHINGTON AVE. RACINE, WI 53406

REVISIONS:

ARCHITECTURAL SITE DEMOLITION PLAN

DESIGN DEVELOPMENT

DATE: 02-19-2021
JOB NO: 200098-02
SHEET NO: A070

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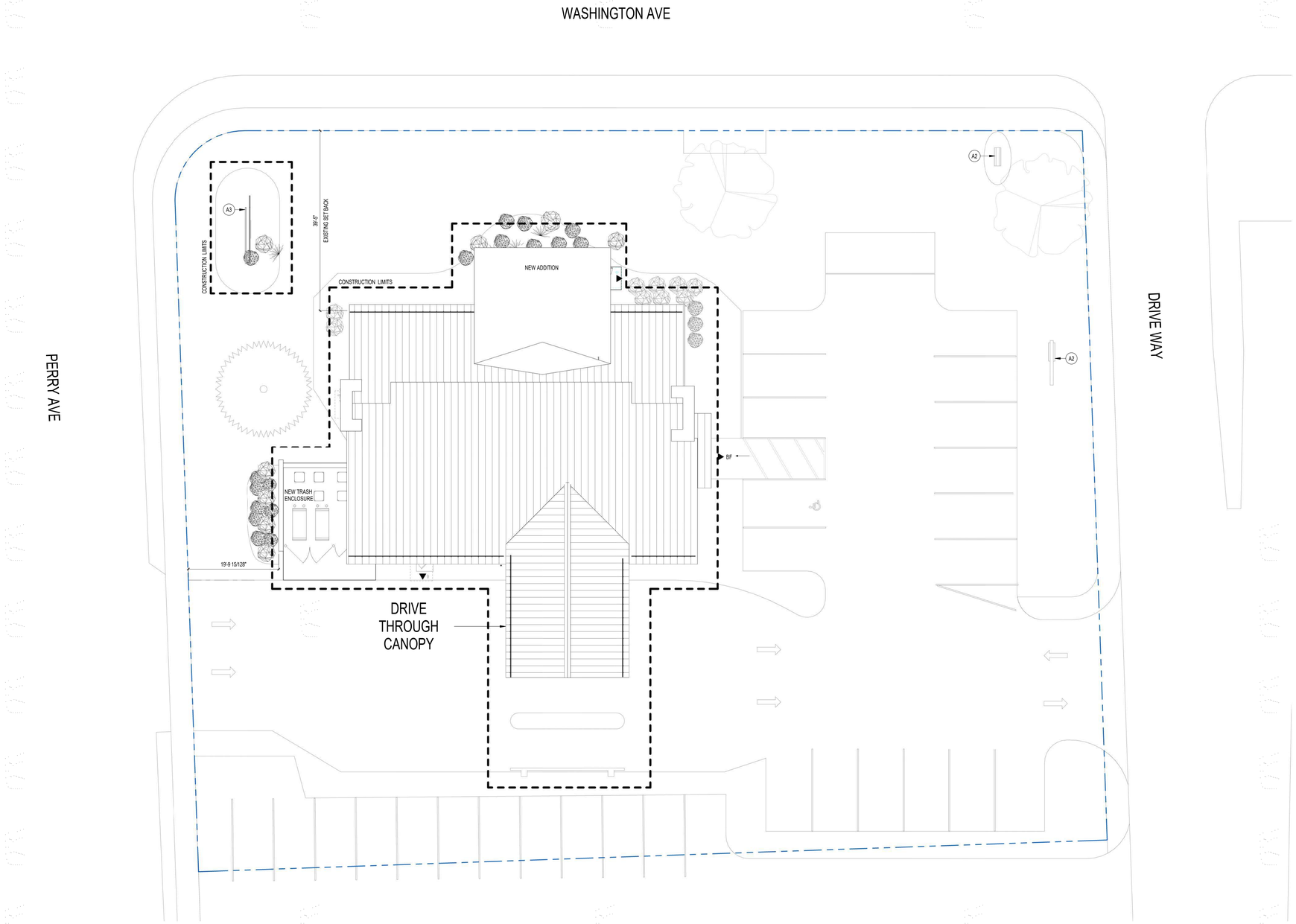

0 5 10 20

SCALE: 1" = 10'

NORTH

ARCHITECTURAL SITE PLAN
1" = 10'-0"

SITE PLAN SYMBOLS LEGEND

- (X) SITE PLAN NOTE
- ▲ EXIT
- ▲ BF ← BARRIER FREE ACCESS & ROUTE
- CONSTRUCTION LIMITS
- PROPERTY LINE

SITE PLAN GENERAL NOTES

A. FIELD VERIFY DIMENSIONS AND CONDITIONS AT JOB SITE.

B. REFER TO SITE SURVEY, GRADING PLAN, SITE UTILITIES PLAN, STORM WATER MANAGEMENT PLAN, EROSION CONTROL PLAN, LANDSCAPING PLAN, PLUMBING PLAN, HVAC PLAN AND ELECTRICAL PLAN FOR ADDITIONAL INFORMATION PERTAINING TO SITE PLANNING.

C. MARK ALL UTILITIES. ALL DAMAGED UTILITY OR SERVICES ARE TO BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

D. FIELD VERIFY EXISTING FLOOR ELEVATIONS.

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ARCHITECTURAL SITE PLAN NOTES

MARK	DESCRIPTION
A2	EXISTING SIGNAGE TO REMAIN
A3	NEW INTERNALLY LIT EXTERIOR SIGNAGE

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WESTGATE BRANCH RENOVATIONS

4923 WASHINGTON AVE. RACINE, WI 53406

REVISIONS:

ARCHITECTURAL SITE PLAN

DESIGN DEVELOPMENT

DATE: 02-19-2021

JOB NO: 200098-02

SHEET NO: A075

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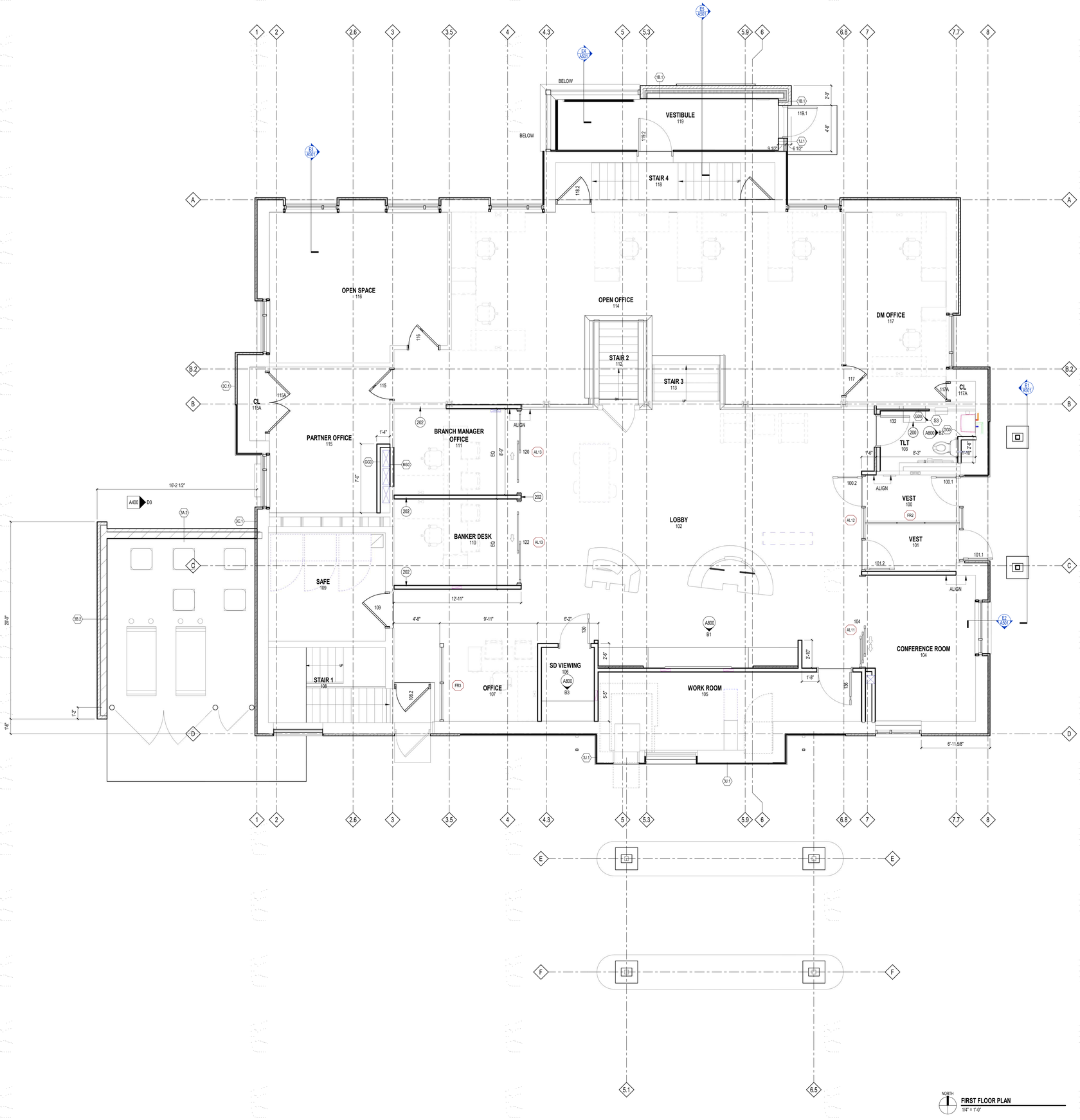


FIRST FLOOR PLAN
1/4" = 1'-0"

FLOOR PLAN SYMBOLS LEGEND

- EXISTING WALLS TO REMAIN
- EXISTING DOOR TO REMAIN
- SECTION REFERENCE
- EXTERIOR ELEVATION
- INTERIOR ELEVATION
- FLOOR PLAN NOTE
- ONE HOUR RATED FIRE PARTITION
- TWO HOUR RATED FIRE BARRIER
- NEW WALL/PARTITION
- NEW DOOR
- EXISTING DOOR RECEIVING NEW WORK - REFER TO DOOR SCHEDULE
- DETAIL REFERENCE
- WINDOW TYPE
- WALL/PARTITION TYPE
- FLOOR DRAIN - PITCH FLOOR TO DRAIN
- SEMI-RECESSED FIRE EXTINGUISHER

FLOOR PLAN GENERAL NOTES

A. DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED WALL TO FACE OF FINISHED WALL (NOMINAL).

B. VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. PORTIONS OF EXISTING CONSTRUCTION MAY HAVE BEEN REMOVED BY OWNER.

C. ***MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. COORDINATE WITH OWNER ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING PIPING, DUCTWORK OR ANY ASSOCIATED EQUIPMENT.***

D. CONTRACTOR TO VERIFY FLOOR TO FLOOR HEIGHTS

GYPSUM BOARD PARTITIONS GENERAL NOTES

A. ALL GYPSUM BOARD PARTITIONS SHALL BE BG0 UNLESS OTHERWISE NOTED ON FLOOR PLAN.

B. GYPSUM BOARD PARTITION DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED PARTITION TO FACE OF FINISHED PARTITION (NOMINAL).

C. REFER TO GYPSUM BOARD SPECIFICATION FOR LOCATION AND TYPE(S) OF GYPSUM BOARD MATERIAL REQUIRED.

D. ***SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL FIRE RATED PARTITIONS.***

E. EXTEND ALL GYPSUM BOARD PARTITIONS FULL HEIGHT TO UNDERSIDE OF WOOD DECK ABOVE UNLESS OTHERWISE NOTED. AT WOOD DECK CONSTRUCTION ABOVE PROVIDE SLIP JOINT BETWEEN TOP OF PARTITION AND UNDERSIDE OF DECK / STRUCTURAL MEMBER ABOVE. REFER TO DETAIL A3 / A810

EXTERIOR WALL TYPES

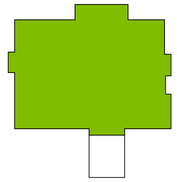
MARK	ASSEMBLY DESCRIPTION
1A.1	BRICK MASONRY CLAD WALL CONSISTING OF THIN BRICK, SETTING BED W/REINFORCING ON DRAINAGE MAT, 2" THERMAL AND AIR BARRIER SYSTEM, SPRAY APPLIED AIR AND VAPOR BARRIER SYSTEM ON 5/8" GYPSUM SHEATHING, 6" (16 GA) GALVANIZED COLD FORMED STEEL STUDS @ 16" OC, 2" CLOSED CELL SPRAY FOAM INSULATION (BETWEEN STUDS) AND ONE LAYER 5/8" GYPSUM BOARD AT INTERIOR FACE. PROVIDE WALL TIES @ 16" EW, FLASHING, MASONRY EXPANSION AND CONTROL JOINTS.
1B.1	MASONRY STONE VENEER STUD WALL CONSISTING OF 4" STONE, AIR SPACE, 3" THERMAL AND AIR BARRIER SYSTEM, 6" (16 GA) GALVANIZED COLD FORMED STEEL STUDS @ 16" OC, 2" SPRAY FOAM INSULATION (BETWEEN STUDS) AND ONE LAYER 5/8" GYPSUM BOARD AT INTERIOR FACE. PROVIDE ADJUSTABLE MASONRY VENEER ANCHORS @ 16" EW. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC. PROVIDE CAVITY DRAINAGE MATERIAL, FLASHING, MASONRY EXPANSION AND CONTROL JOINTS. PROVIDE CAVITY WEEPS/VENTS @ 24" OC. COMPARTMENTALIZE THE CAVITY AND PROVIDE CAVITY WEEPS/VENTS AT TOP/BOTTOM OF CAVITY. REFER TO DETAIL XX/AXXX.
1J.1	PANEL WALL SYSTEM CONSISTING OF: 1/2" METAL WALL TILES, 3/4" HORIZONTAL RAINSCREEN GIRTS @ EA PANEL JOINT, 2" THERMAL AND AIR BARRIER SYSTEM, ON 6" 16 GA GALVANIZED COLD FORMED STEEL STUDS @ 16" OC, 2" SPRAY FOAM INSULATION (BETWEEN STUDS) AND ONE LAYER 5/8" GYPSUM BOARD AT INTERIOR FACE.
2C.1	THIN BRICK CLAD WALL CONSISTING OF THIN BRICK, SETTING BED W/REINFORCING, 1" RIGID INSULATION, TWO LAYERS BUILDING WRAP ON 1/2" EXTERIOR GRADE SHEATHING, 2 X 6 WOOD STUDS @ 16" OC WITH FULL THICKNESS BATT INSULATION, VAPOR RETARDER AND ONE LAYER 5/8" GYPSUM BOARD AT INTERIOR FACE.
3A.1	BRICK MASONRY CLAD WALL CONSISTING OF THIN BRICK, SETTING BED W/REINFORCING ON DRAINAGE MAT ON EXISTING MASONRY WALL. PROVIDE WALL TIES @ 16" EW, FLASHING, MASONRY EXPANSION AND CONTROL JOINTS
3A.2	MULTI-WYTHE MASONRY WALL CONSISTING OF 4" BRICK WITH 7 5/8" CONCRETE MASONRY UNIT BACK-UP. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEPS @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS.
3B.2	MULTI-WYTHE MASONRY WALL CONSISTING OF 4" STONE WITH 7 5/8" CONCRETE MASONRY UNIT BACK-UP. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEPS @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS.
3C.1	CAST STONE CLAD WALL CONSISTING OF APPLIED STONE, SETTING BED W/REINFORCING ON DRAINAGE MAT ON EXISTING MASONRY WALL. PROVIDE WALL TIES @ 16" EW, FLASHING, MASONRY EXPANSION AND CONTROL JOINTS
3J.1	PANEL WALL SYSTEM CONSISTING OF: 1/2" METAL WALL TILES, 3/4" HORIZONTAL RAINSCREEN GIRTS @ EA PANEL JOINT ON EXISTING MASONRY WALL.

INTERIOR PARTITION TYPES

NAME	ASSEMBLY DESCRIPTION	FIRE RATING	UL	INSULATION
BG0	3-5/8" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSUM BOARD @ EACH FACE.	--	--	3-1/2" SOUND
GC0	7/8" STEEL FURRING CHANNELS @ 16" OC ONE LAYER 5/8" GYPSUM BOARD.	--	--	--
GD0	1-5/8" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSUM BOARD.	--	--	--
GG0	3-5/8" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSUM BOARD.	--	--	--

FLOOR PLAN NOTES

MARK	DESCRIPTION
200	INFILL FLOOR
202	PARTITIONS TO BE 10'-0" TALL ABOVE LOBBY FLOOR



KEY PLAN

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WESTGATE BRANCH RENOVATIONS

4923 WASHINGTON AVE. RACINE, WI 53406

REVISIONS:

FIRST FLOOR PLAN

DESIGN DEVELOPMENT

DATE: 02-19-2021

JOB NO: 200098-02

SHEET NO: A201

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EXTERIOR ELEVATIONS SYMBOLS LEGEND

- SECTION REFERENCE (1 / A101)
- ELEVATION NOTE (X)
- DETAIL REFERENCE (1 / A101)
- WINDOW TYPE (AL01)
- CONSTRUCTION KEYNOTE (X)

EXTERIOR FINISH PATTERNS

- STANDING SEAM METAL ROOF
- STONE
- BRICK
- METAL WALL PANEL

EXTERIOR ELEVATIONS GENERAL NOTES

A. PAINT ALL EXPOSED STEEL LINTELS TO MATCH ADJACENT MASONRY COLOR

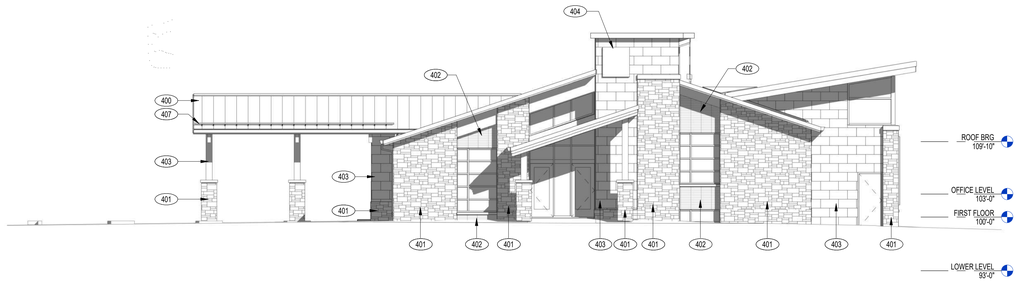
B. TRIM ALL EXTERIOR LIGHTING FIXTURES, OUTLETS, HOSE BIBBS AND ALL OTHER SIDING PENETRATIONS **WITH 1X4 FIBER CEMENT TRIM (TYP.)**

C. REFER TO SHEET A891 FOR WINDOW FRAME ELEVATIONS

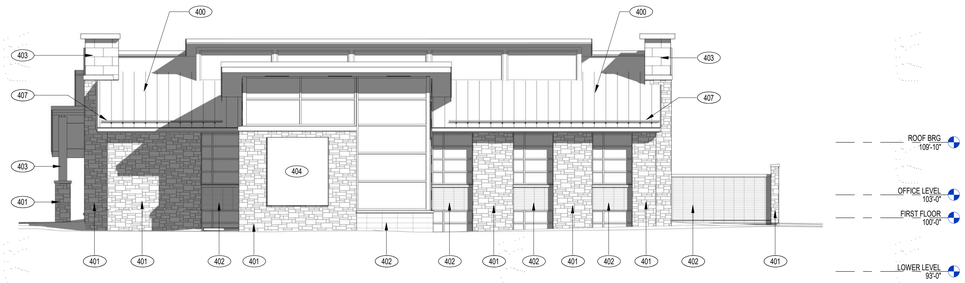
D. SEALANT COLORS TO MATCH ADJACENT FINISHED SURFACES.

EXTERIOR ELEVATION NOTES

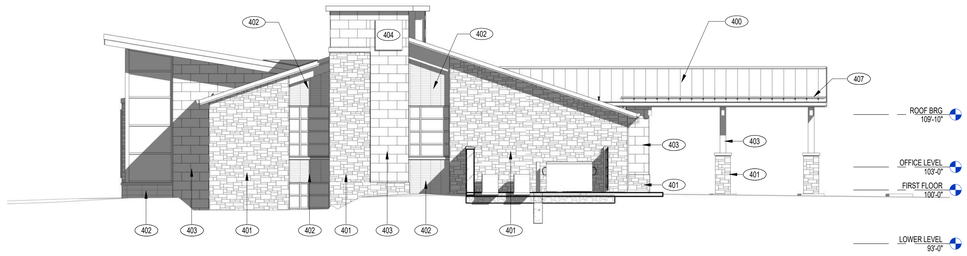
MARK	DESCRIPTION
400	STANDING SEAM METAL ROOF
401	STONE
402	BRICK
403	METAL WALL PANEL
404	INTERNALLY LIT EXTERIOR SIGNAGE
405	TRASH ENCLOSURE GATE
406	TRASH ENCLOSURE GATE MAN DOOR
407	SNOW GUARD



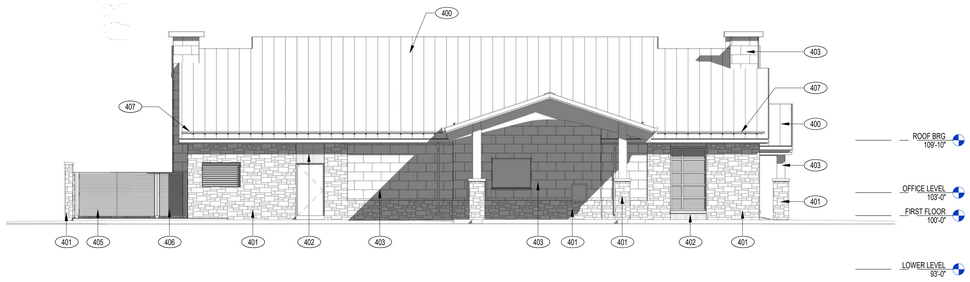
A3 **EAST ELEVATION**
1/8" = 1'-0"



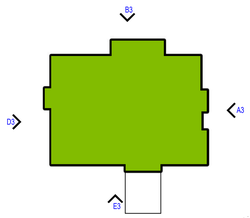
B3 **NORTH ELEVATION**
1/8" = 1'-0"



D3 **WEST ELEVATION**
1/8" = 1'-0"



E3 **SOUTH ELEVATION**
1/8" = 1'-0"



KEY PLAN

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WESTGATE BRANCH RENOVATIONS
4923 WASHINGTON AVE. RACINE, WI 53406

REVISIONS:

EXTERIOR ELEVATIONS

DESIGN DEVELOPMENT

DATE: 02-19-2021
JOB NO: 200098-02
SHEET NO: A400

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VIEW FROM NORTHWEST

VIEW FROM NORTHEAST

VIEW FROM SOUTHEAST

VIEW FROM SOUTHWEST

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NORTH SHORE BANK
WESTGATE BRANCH RENOVATIONS

4923 WASHINGTON AVE. RACINE, WI 53406

REVISIONS:

RENDERINGS

DESIGN DEVELOPMENT

DATE: 02-19-2021

JOB NO: 200098-02

SHEET NO: A450

NOT FOR CONSTRUCTION

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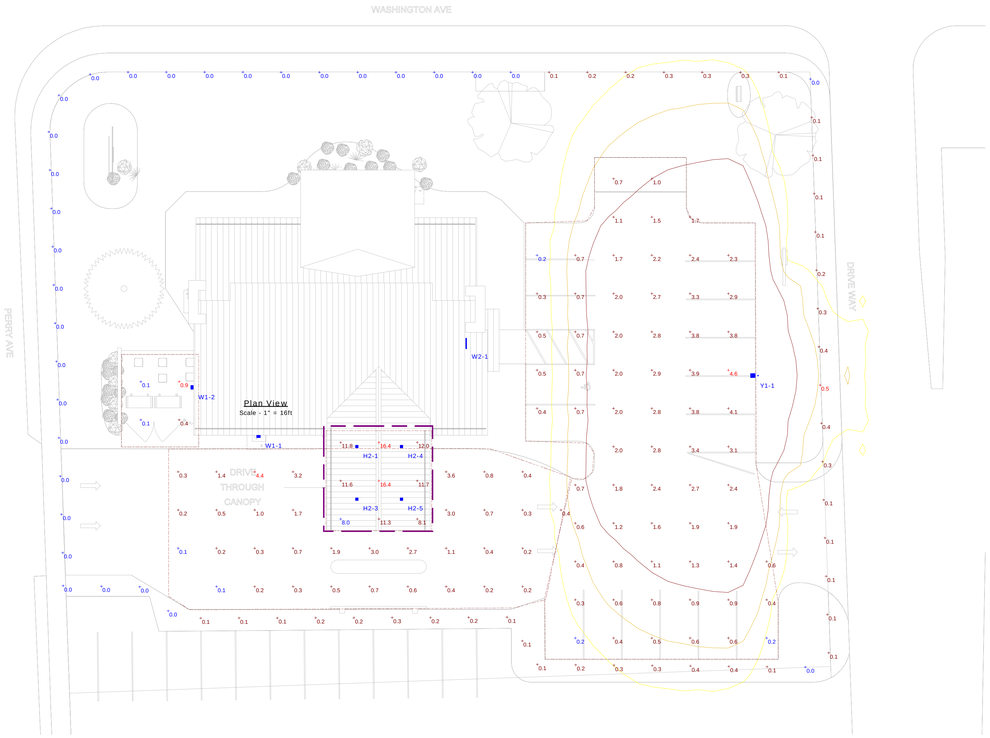


Schedule

Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplier	LLF	Wattage	Distribution	Notes
	H2		4	BARRON LIGHTING GROUP	SCP-R-36-LG-VS-4K	12"L. X 12"W. X 2.75"H. LED Low Glare Canopy		1	SCP-R-36-LG-VS-4K.IES	4227	1	0.95	36.16		Mounted to Canopy
	W1		2	Lithonia Lighting	WST LED P1 40K VF MVOLT	WST LED, Performance package 1, 4000 K, visual comfort forward throw, MVOLT	LED	1	WST_LED_P1_40K_VF_MVOLT.ies	1639	1	0.95	12	TYPE III, VERY SHORT, BUG RATING: B0 - U0 - G0	Mounted above door approx. @ 8'-0" AFG
	W2		1	Luminaire LED	AEL 36IN 30W 40K	Catalog Number: AEL36-30W 4000K Wall mounted, extruded aluminum housing, formed white enamel aluminum reflector/LED tray, clear lightly frosted plastic enclosure. 108 white LEDs, three Luminaire LED MP-LED-MOD Rev3.0 LED boards with 36 LEDs each. One Universal Lighting Technologies Everline D10CC30UNVTW-C LED driver programmed to 940mA 120.0Vac, 60.00Hz, 0.2497A, 29.66W, 0.990PF, 7.3%THD(i)		1	AEL_36IN_30W_40K.ies	3141	1	0.95	29.7	DIRECT, SC-0=1.75, SC-90=1.25	Mounted to mullion approx @ 7'-3" AFF
	Y1		1	Lithonia Lighting	DSX1 LED P7 40K T3M MVOLT HS	DSX1 LED P7 40K T3M MVOLT with houseside shield	LED	1	DSX1_LED_P7_40K_T3M_MVOLT_HS.ies	16320	1	0.95	183	TYPE III, SHORT, BUG RATING: B2 - U0 - G3	Mounted to pole @ 23'-0" AFG

Statistics

Description	Symbol	Avg	Max	Max/Min	Avg/Min	Min
CANOPY	+	11.9 fc	16.4 fc	2.1:1	1.5:1	8.0 fc
DRIVELANE	+	1.1 fc	4.4 fc	44.0:1	11.0:1	0.1 fc
Mechanical and Trash enclosure	+	0.4 fc	0.9 fc	9.0:1	4.0:1	0.1 fc
Parking Lot	+	1.6 fc	4.6 fc	23.0:1	8.0:1	0.2 fc
PROPERTY LINE	+	0.1 fc	0.5 fc	N/A	N/A	0.0 fc

ENGINEERING DESIGN BY
MSA
(800) 362-6335 | www.msa-ps.com

Northshore Bank Westgate Branch 4923 Washington Ave. Racine WI 53406
Exterior Lighting Calculation

Designer

Date
3/26/2021
Scale
Not to Scale
Drawing No.

Summary

TRACE LITE
commercial & industrial lighting

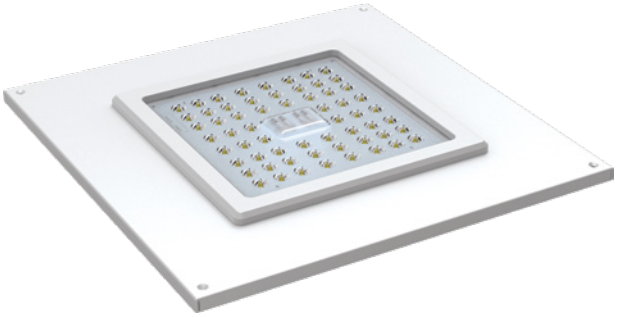
SCP-R Series

Recessed Mount LED Performance Canopy

Model: H2 Date: _____

Accessories: _____

Job Name: _____ Type: _____



DESCRIPTION

The SCP-R recessed canopy is a low-profile 16" square canopy with a variety of precision engineered optics for application flexibility. This canopy optimizes optical performance and long-life with superior thermal management in an attractive and durable die-formed aluminum enclosure with premium PMMA optical lenses that do not yellow over time. This product can be easily recess mounted to ceilings or overhead canopies with only 1.2" thickness below the ceiling plane. The SCP-R is the ideal energy-saving solution for applications including, but not limited to, parking garages, schools, office complexes, light commercial development, apartments, walkways, entryways and stairwells.

SPECIFICATIONS

Construction:

- Precision die-formed aluminum enclosure with stainless steel hardware
- White powder coat finish, custom colors available upon request
- IP65 rated light engine compartment

Optics/LEDs:

- UV-stabilized polymethyl methacrylate (PMMA) optics that will not yellow over time
- Garage optics provides a type V short symmetric square distribution with light focused in the 60° to 80° zones to optimize spacing with even light distribution
- Performance optic provides a type VS (square) very short distribution and offers more light in the 30° to 60° zones, ideal for higher mounting heights over 12'
- Low glare optic provides excellent Type VS (square) short distribution with exceptional glare control
- From 20W to 67W with up to 9016 lumens for maximum project flexibility
- Efficacies up to 134 LPW maximize energy savings and utility rebates
- 4000K CCT and 5000K CCT
- L70 of 190,000 hours
- CRI ≥71

Electrical:

- 120-277VAC, 50/60Hz
- 0-10V Dimming driver

Installation:

- Fixture attaches to canopy surface and can cover up to 12" holes
- A safety cable and a wireway cover are provided for ease of wiring

Testing & Compliance:

- cETLus Listed to UL1598 for Wet Locations for covered canopy applications
- DesignLights Consortium® (DLC) and DLC PREMIUM Qualified (See performance data on page 2 for specific models)
- Operating temperatures: -40°C to 40°C (-40°F to 104°F)

Warranty:

- Five Year Warranty (Terms and Conditions Apply)

Specs at a Glance			** Nominal Wattage (Tested at 4000K CCT)*	
Wattage (W)*	20	36	50	67
Lumens (lm)	2670	4815	6586	8940
Efficacy (LPW)	130	133	131	133
Equivalency (HID)	70W	100W	150W	250W
Distribution	Garage (G) - Type VS Square Short Low Glare (LG) - Type VS Square Short Performance (P) - Type VS Square Very Short			
CCT (K)	4000K, 5000K			
CRI	≥71			
Input Voltage	120-277VAC, 50/60Hz, 0-10V Dimmable			
Operating Temp	-40°C to 40°C (-40°F to 104°F)			
Certifications	cETLus Listed, Wet Locations Covered Canopy, DLC or DLC PREMIUM			
Warranty	5 Years			
Weight	7.0 lbs			

Note: Environment and application will affect performance. Typical values and 25°C used for testing. Specifications subject to change without notice.

ORDERING INFORMATION

Example: SCP-R-20-P-VS-4K-WH

Series	Wattage	Optics	Input Voltage	CCT	Finish
SCP-R	20 = 20 Watts	G[1] = Garage	VS = 120-277V	4K = 4000K	WH = White
	36 = 36 Watts	LG = Low Glare		5K[1] = 5000K	CC[2] = Custom Color
	50[1] = 50 Watts	P = Performance			
	67[1] = 67 Watts				

Notes

[1] Non-stocked item, longer lead times apply, consult factory for details

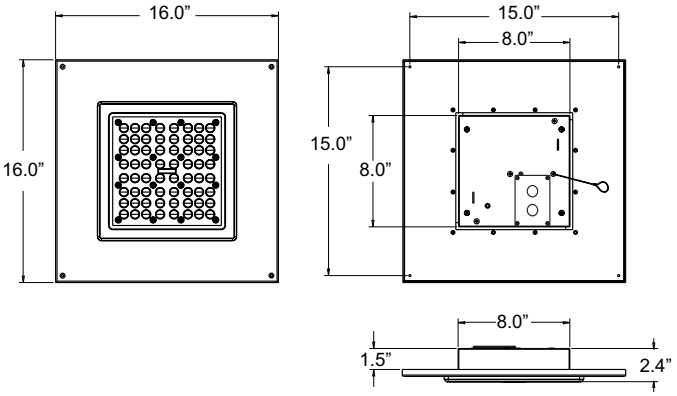
[2] Consult factory for details

PERFORMANCE DATA

MODEL	STOCK/MTO*	WATTAGE (W)	CCT	LUMENS	EFFICACY	CRI	DLC
SCP-R-20-LG-VS-4K	STOCK	20	4000K	2352	115	72	DLC
SCP-R-20-G-VS-4K	MTO	20	4000K	2543	124	72	DLC PREMIUM
SCP-R-20-P-VS-4K	STOCK	20	4000K	2670	130	72	DLC PREMIUM
SCP-R-20-LG-VS-5K	MTO	20	5000K	2350	114	73	DLC
SCP-R-20-G-VS-5K	MTO	20	5000K	2533	123	72	DLC PREMIUM
SCP-R-20-P-VS-5K	MTO	20	5000K	2670	129	72	DLC PREMIUM
SCP-R-36-LG-VS-4K	STOCK	36	4000K	4227	117	72	DLC
SCP-R-36-G-VS-4K	MTO	36	4000K	4582	126	72	DLC PREMIUM
SCP-R-36-P-VS-4K	STOCK	36	4000K	4815	133	72	DLC PREMIUM
SCP-R-36-LG-VS-5K	MTO	36	5000K	4282	118	73	DLC PREMIUM
SCP-R-36-G-VS-5K	MTO	36	5000K	4601	126	73	DLC PREMIUM
SCP-R-36-P-VS-5K	MTO	36	5000K	4839	133	73	DLC PREMIUM
SCP-R-50-LG-VS-4K	MTO	50	4000K	5702	114	72	DLC
SCP-R-50-G-VS-4K	MTO	50	4000K	6306	125	72	DLC PREMIUM
SCP-R-50-P-VS-4K	MTO	50	4000K	6586	131	72	DLC PREMIUM
SCP-R-50-LG-VS-5K	MTO	50	5000K	5590	112	72	DLC
SCP-R-50-G-VS-5K	MTO	50	5000K	6168	123	72	DLC PREMIUM
SCP-R-50-P-VS-5K	MTO	50	5000K	6472	130	72	DLC
SCP-R-67-LG-VS-4K	MTO	67	4000K	7829	117	72	DLC PREMIUM
SCP-R-67-G-VS-4K	MTO	67	4000K	8466	126	72	DLC PREMIUM
SCP-R-67-P-VS-4K	MTO	67	4000K	8940	133	72	DLC PREMIUM
SCP-R-67-LG-VS-5K	MTO	67	5000K	7887	118	72	DLC PREMIUM
SCP-R-67-G-VS-5K	MTO	67	5000K	8589	128	71	DLC PREMIUM
SCP-R-67-P-VS-5K	MTO	67	5000K	9016	134	72	DLC PREMIUM

*MTO = Made to order (subject to change, consult factory for lead times)

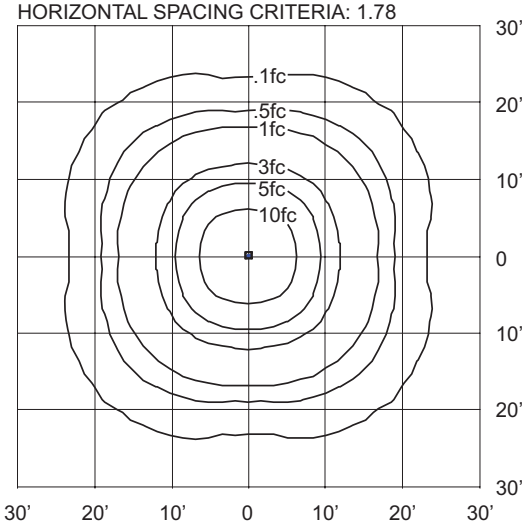
DIMENSIONS



SAMPLE PHOTOMETRICS

SCP-R-36-P-VS-4K

IES: Type VS Square Very Short
MOUNTING HEIGHT: 10’
HORIZONTAL SPACING CRITERIA: 1.78



WST LED
Architectural Wall Sconce

Buy American

Catalog Number

Notes

Type W1

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

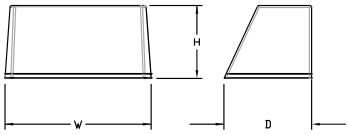
Luminaire

Height: 8-1/2″ *(21.59 cm)*

Width: 17″ *(43.18 cm)*

Depth: 10-3/16″ *(25.9 cm)*

Weight: 20 lbs *(9.1 kg)*

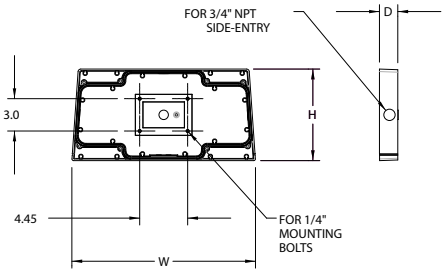


Optional Back Box (PBBW)

Height: 8.49″ *(21.56 cm)*

Width: 17.01″ *(43.21 cm)*

Depth: 1.70″ *(4.32 cm)*

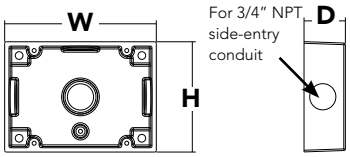


Optional Back Box (BBW)

Height: 4″ *(10.2 cm)*

Width: 5-1/2″ *(14.0 cm)*

Depth: 1-1/2″ *(3.8 cm)*



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

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A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED

Series	Performance Package	Color temperature	Distribution	Voltage		Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT[1] 120[2] 208[2] 240[2]	277[2] 347[2] 480[2]	**Shipped included** (blank) Surface mounting bracket **Shipped separately** BBW Surface-mounted back box[3] PBBW Premium surface-mounted back box[3,4]

Options

NLTAIR2 PIR	nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights[5,6,7]
NLTAIR2 PIRH	nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights[5,6,7]
PE	Photoelectric cell, button type[8]
PER	NEMA twist-lock receptacle only (controls ordered separate)[9]
PER5	Five-wire receptacle only (controls ordered separate)[9]
PER7	Seven-wire receptacle only (controls ordered separate)[9]
PIR	Motion/Ambient Light Sensor, 8-15' mounting height[5,6]
PIR1FC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[5,6]
PIRH	180° motion/ambient light sensor, 15-30' mounting height[5,6]
PIRH1FC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[5,6]
SF	Single fuse (120, 277, 347V)[2]
DF	Double fuse (208, 240, 480V)[2]
DS	Dual switching[10]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate)[11]
E7WH	Emergency battery backup, Non CEC compliant (7W)[7]
E7WC	Emergency battery backup, CA Title 20 Noncompliant (cold, 7W)[7,12]
E7WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W)[7,13]
E20WH	Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS[7]
E20WC	Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS[7,12]
E23WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W)[7,12,14]
LCE	Left side conduit entry[15]
RCE	Right side conduit entry[15]

Shipped separately

RBPW	Retrofit back plate[3]
VG	Vandal guard[15]
WG	Wire guard[15]

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V)[17]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V)[17]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V)[17]

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
3. Also available as a separate accessory; see accessories information.
4. Top conduit entry standard.
5. Not available with VG or WG. See PER Table.
6. Reference Motion Sensor table.
7. Not available with 347/480V.
8. Need to specify 120, 208, 240 or 277 voltage.
9. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
10. Not available with Emergency options, PE or PER options.
11. DMG option not available with standalone or networked sensors/controls.
12. Battery pack rated for -20° to 40°C.
13. Comes with PBBW.
14. Warranty period is 3-years.
15. Not available with BBW.
16. Must order with fixture; not an accessory.
17. Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

Emergency Battery Operation

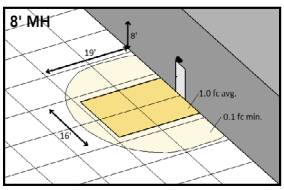
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

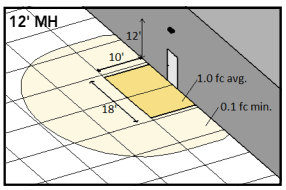
All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

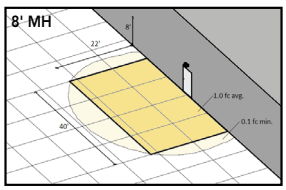
The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

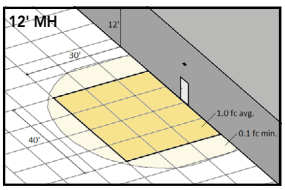
10' x 10' Gridlines
8' and 12' Mounting Height





WST LED P1 27K VF MVOLT E7WH





WST LED P2 40K VF MVOLT E20WH

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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
P2	25	0.21	0.13	0.11	0.1	---	---
	30	---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
P3	50	0.42	0.24	0.21	0.19	---	---
	56	---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min

*for use with site wide Dusk to Dawn control

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended

⊘ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Performance Package	System Watts (MVOLT[1])	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,163	1	0	1	127	3,237	1	0	1	129	3,469	1	0	1	139	3,468	1	0	1	139
		VW	3,201	1	0	0	128	3,276	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
		VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1	134

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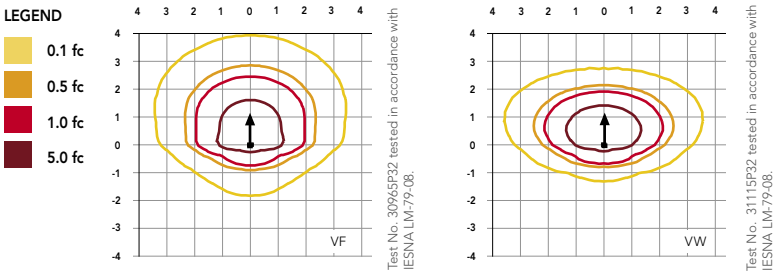
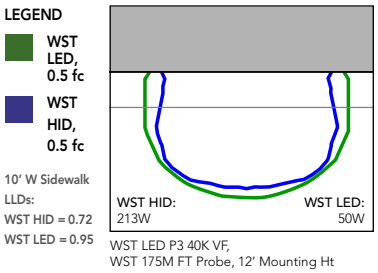
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WST LED homepage.

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



WST LED P3 40K VF, WST 175M FT Probe, 12' Mounting Ht

FEATURES & SPECIFICATIONS

INTENDED USE
The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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ARCHITECTUAL EGRESS

Vandal Resistant

AEL Full Cut-Off LED

Fixture Type W2	Date
Job Name	Approved By
Catalog Number	

SPECIFICATIONS

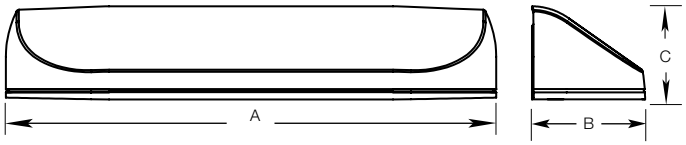
UL Listing

Buy American

Description	The Architectural Egress Luminaire combines a unique, patented design shaped with high performance, full cut-off optics to achieve completely unobtrusive illumination of a space or path of egress. When mounted over a doorway, the fixture is perceived as an element of the building structure and, additionally, provides water protection in the form of a drip cap over the doorway. Multiple lengths are available to match a given door opening and our unique quick mount system facilitates installation and maintenance.
Housing	Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat.
Wall Mount	Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat. Designed to provide quick mounting to housing and secured with (2) captive stainless steel TORX® head screws.
Lens Frame	Marine grade heat treated extruded aluminum, clear anodized. Secured to fixture via integral concealed hinge and (3) captive stainless steel TORX® head screws.
Lens	UV stabilized diffused extruded polycarbonate.
End Caps	Die cast marine grade aluminum continuously welded to housing. All welds ground smooth.
Reflector	Electrostatically brightened anodized aluminum PVD coated and absolutely color-free of iridescence. Shaped to provide full cutoff, LED point dispersion and maximum efficiency.
Drivers	Dimming to 1%, 10% or Programmable Lumen Output driver options. Non-Dimming Driver is also available.
Gaskets	Closed cell self-adhesive neoprene to provide watertight seal between fixture and wall and between fixture and lens frame.
LED	Samsung LM561B+ series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L_{70} projected life of over 130,000 hours at 50ºC.
UL Listing	U.L., C.UL. Wet Location Listing standard.
Buy American	Luminaire LED, LLC products are assembled in the USA. Our products meet the Buy America(n) government procurement requirements under FAR, DFARS, and DOT.
Warranty	Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80.
Note	Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

	A	B	C
AEL 12IN	20.79	5.40	3.60
AEL 24IN	32.04	5.40	3.60
AEL 36IN	43.29	5.40	3.60
AEL 48IN	54.75	5.40	3.60
AEL 72IN	78.75	5.40	3.60



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ORDERING INFORMATION

Example: AEL 12IN NODIM 30W 27K 120 DP BKH

Series*	Size (Nominal)* [1]	Drivers*	Dual Drivers (Optional)	Wattage (Nominal) [1]	Lumens (For PRD Only)
AEL Vandal Resistant Architectural Full Cut-off Path of Egress Luminaire	12IN [2,3] 24IN 36IN [4] 48IN 72IN	MIN1 [5] Dimming to 1% MIN10 Dimming to 10% NODIM Non-Dimming Driver PRD Driver Programmed to Specific Lumen Output. *To specify lumens, see size and lumen chart, Consult Factory* *PRD not available with Wattage.* *PRD standard 0-10V dimming to 1%*	2DRV [6,7,8] Two LED drivers for independent LED board operations	10W 30W 15W 35W 20W 55W *Required for all drivers except PRD driver* *To specify wattage, see size and wattage chart*	300LM - 6400LM - Lumens available in 100LM increments *Lumens required if PRD driver chosen*

CCT*	Voltage*	Lens*	Finish*
27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	120 120 Volt 277 277 Volt MVOLT 120-277 Volt 347 [9] 347 Volt	DP Diffused Polycarbonate	BKH Black Hammertone WOP White Orange Peel/Textured White BZH Bronze Hammertone SVH Silver Hammertone CUST Custom Color, Consult Factory RALTBD Ral Paint finishes RALTBD for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options

*Required

OPTIONS

Emergency [10]

EMB310 [11]	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). 1000 lumens
EMB310ST [11]	Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F) Meets CA Title 20 Standards. 1000 lumens
EMB10ST [11]	Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 Standards. 1000 lumens
EMB310T20 [11]	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 standards. 1000 lumens
EMBDA [12]	Two drivers and two emergency battery packs self-contained within fixture for independent light engine operation. Each battery pack will operate each light engine for a minimum of 90 minutes. 0°C to +55°C (32°F to 131°F)
EMB20R [13,15]	Remote mounted micro inverter that will operate a 25W maximum load for 90 minutes. 0°C (32°F) to 45°C (113°F)
EMB125R [14]	Remote inverter that will operate a maximum 125W load for 90 minutes. 20°C (68°F) to 30°C (86°F)
EMB250R [14]	Remote inverter that will operate a 250W maximum load for 90 minutes. 20°C (68°F) to 30°C (86°F)

Back Box	Fusing	Photocell	Sensors	Hardware
AB Aluminum surface back box	GLR [15] Fuse and Fuse Holder	PC [15] Photoelectric Switch	PIR [16] Occupancy sensor. Maximum coverage of 10' radius from 8' height PIR50 [16,17,18] Passive infrared sensor mounted in machine hole in end cap. 50% of LED's constantly on and 50% sensored on/off	PHSC Phillips Head screws instead of TORX® head

Ordering Notes

1. See Size and Wattage Chart.
2. 12IN with 347; Not available with MIN1.
3. Not available with EMB10ST, EMB310, EMB310ST, EMB310T20.
4. 36IN with 2DRV; Not available with PRD.
5. Not available in 36IN with 2DRV and EMB10ST, EMB310, EMB310ST, and EMB310T20.
6. Not available with 12IN.
7. 24IN with 2DRV option; EMB10ST, EMB310, EMB310ST, or EMB310T20 cannot be used.
8. 24IN with 2DRV; Only available with NODIM or MIN10.
9. Not available with MIN10 in 24IN, 24IN, 36IN, or 72IN.
10. Not available with 347.
11. 24IN with EMB10ST, EMB310, EMB310ST, or EMB310T20; Not available with MIN1 or PRD.
12. Only available in 72IN.
13. Not available with wattage over 25W or PRD.
14. Not available with MVOLT.
15. Not available with MVOLT or 347.
16. Not available with EMB20R, EMB125R, EMB250R.
17. Not available with 12IN.
18. PIR50 must include 2DRV.

Accessories: *Order as separate catalog number*

TXSD	TORX® Screwdriver Bit

Initial shipment includes one (1) TXSD per fixture.

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SIZE & WATTAGE CHART

Size	Wattage
12IN	10W
24IN	10W | 20W
36IN	15W | 30W
48IN	20W | 35W
72IN	30W | 55W

SIZE & LUMEN CHART (For PRD)

Size	Lumen Range
12IN	300LM - 800LM
24IN	300LM - 1700LM
36IN	500LM - 3200LM
48IN	800LM - 3900LM
72IN	1200LM - 6400LM

PHOTOMETRIC DATA

Model	Watts	Input Watts	Delivered Lumens				
			2700K	3000K	3500K	4000K	5000K
AEL 12IN	10W	10.8W	736	747	760	784	807
AEL 24IN	10W	9.4W	820	832	847	873	899
AEL 24IN	20W	17.6W	1535	1557	1585	1634	1682
AEL 36IN	15W	14.9W	1231	1248	1271	1310	1348
AEL 36IN	30W	26.3W	2954	2995	3049	3143	3237
AEL 48IN	20W	18.8W	1908	1935	1969	2030	2090
AEL 48IN	35W	35.2W	3568	3616	3682	3796	3909
AEL 72IN	30W	27.9W	3117	3162	3217	3317	3417
AEL 72IN	55W	52.2W	5830	5911	6017	6203	6389
AEL xx	PRD		Programmable Driver. Specify Lumens in Ordering Information, see Chart above.				

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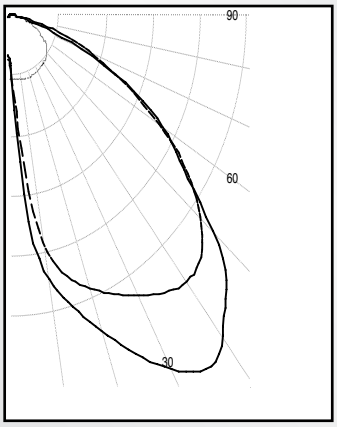
PHOTOMETRIC DATA

MODEL AEL 12IN 10W 40K DP
Delivered Lumens: 726 Lumens

Total Power: 10.8W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B0U0G0

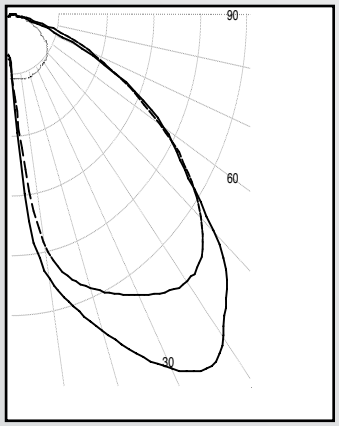


Zone	Lumens	% Lamps
0 - 30	153	21.1
0 - 40	287	39.5
0 - 60	585	80.6
60 - 90	726	100.0
0 - 90	439	60.5
90 -180	0	0.0
0 - 180	726	100.0

MODEL AEL 36IN 15W 40K DP
Delivered Lumens: 1652 Lumens

Total Power: 15.01W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B1U0G0



Zone	Lumens	% Lamps
0 - 30	427	25.8
0 - 40	724	43.9
0 - 60	1350	81.7
60 - 90	302	18.3
0 - 90	1652	100.0
90 -180	0	0.0
0 - 180	1652	100.0

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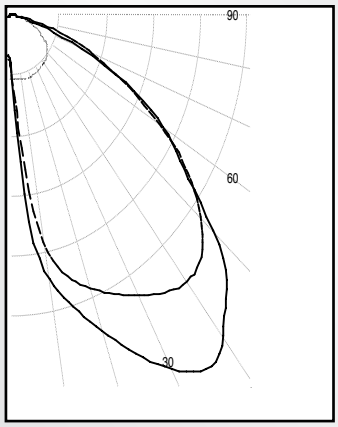
PHOTOMETRIC DATA

MODEL AEL 36IN 30W 40K DP
Delivered Lumens: 3141 Lumens

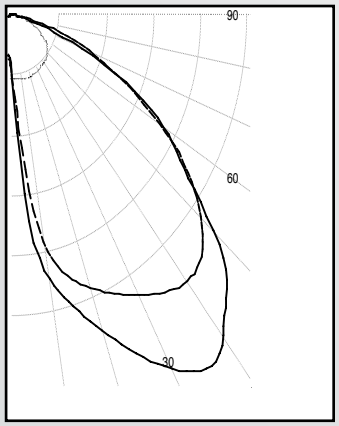


Total Power: 29.7W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B1U0G1

Zone	Lumens	% Lamps
0 - 30	821	26.1
0 - 40	1388	44.2
0 - 60	2575	88.0
60 - 90	566	18.0
0 - 90	3141	100.0
90 -180	0	0.0
0 - 180	3141	100.0

MODEL AEL 72IN 30W 40K DP
Delivered Lumens: 3072 Lumens



Total Power: 27.09W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B1U0G1

Zone	Lumens	% Lamps
0 - 30	771	25.1
0 - 40	1353	44.1
0 - 60	2529	82.3
60 - 90	3072	100.0
0 - 90	1718	17.7
90 -180	542	0.0
0 - 180	3072	100.0

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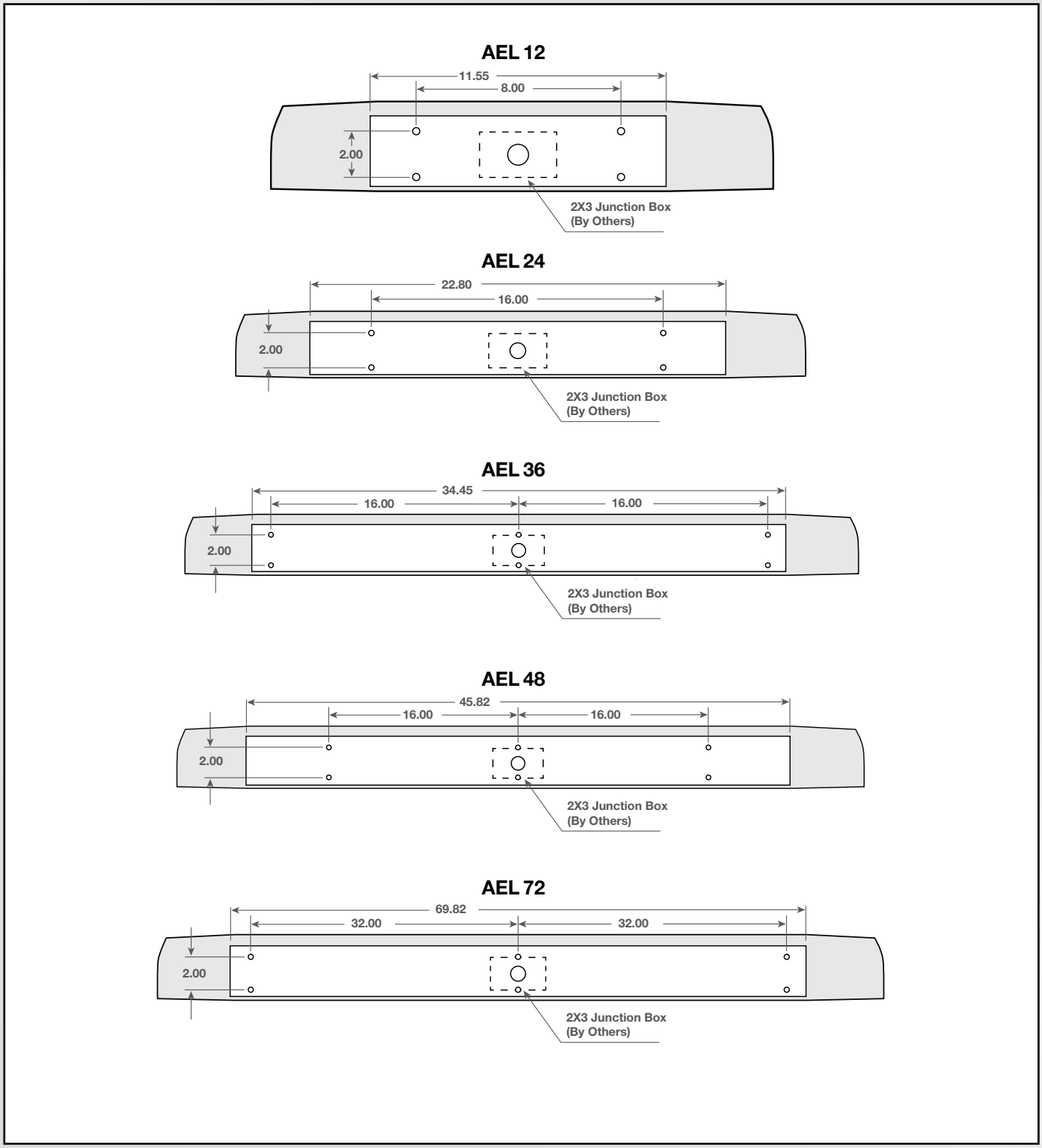
MOUNTING PLATE DETAILS



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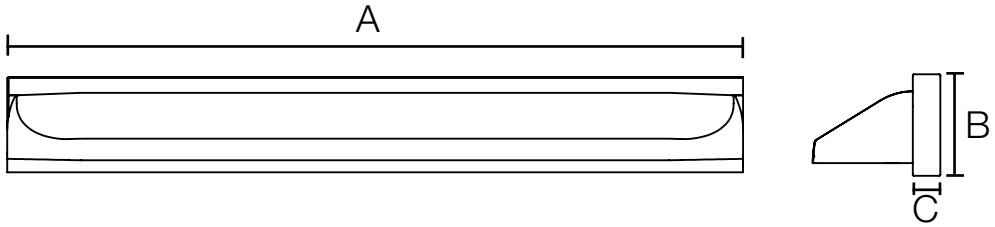
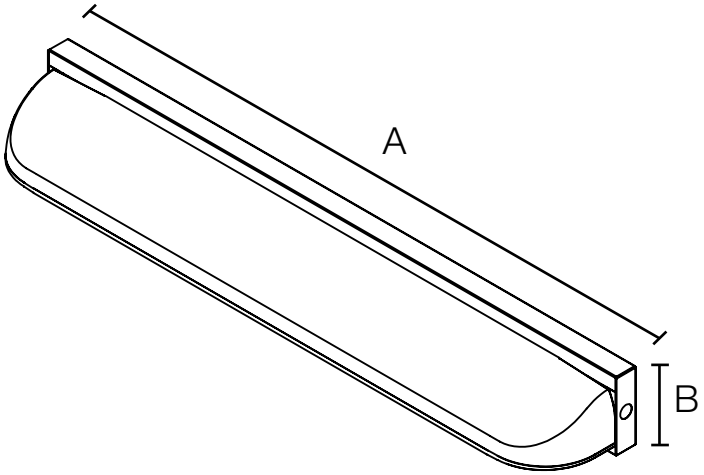
MOUNTING PLATE DETAILS

A/B Detail

	A	B	C
AEL 12 Back Box	20.80	5.20	1.50
AEL 24 Back Box	31.48	5.20	1.50
AEL 36 Back Box	43.30	5.20	1.50
AEL 48 Back Box	54.75	5.20	1.50
AEL 72 Back Box	78.75	5.20	1.50





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D-Series Size 1

LED Area Luminaire

Catalog Number

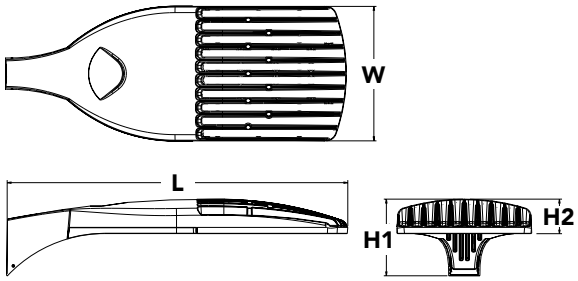
Notes

Type Y1

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33″ (83.8 cm)
Width:	13″ (33.0 cm)
Height H1:	7-1/2″ (19.0 cm)
Height H2:	3-1/2″
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series

DSX1 LED

LEDs

Forward optics

P1	P4 [1]	P7 [1]
P2	P5 [1]	P8
P3	P6 [1]	P9 [1]

Rotated optics

P10 [2]	P12 [2]
P11 [2]	P13 [1,2]

Color temperature

30K	3000 K
40K	4000 K
50K	5000 K

Distribution

T1S	Type I short (Automotive)
T2S	Type II short
T2M	Type II medium
T3S	Type III short
T3M	Type III medium
T4M	Type IV medium
TFTM	Forward throw medium
T5VS	Type V very short [3]
T5S	Type V short [3]
T5M	Type V medium [3]
T5W	Type V wide [3]
BLC	Backlight control [4]
LCCO	Left corner cutoff [4]
RCCO	Right corner cutoff [4]

Voltage

MVOLT [5]
XVOLT (277V-480V) [6,7,8]
120 [9]
208 [9]
240 [9]
277 [9]
347 [9]
480 [9]

Mounting

Shipped included

SPA	Square pole mounting
RPA	Round pole mounting [10]
WBA	Wall bracket [3]
SPUMBA	Square pole universal mounting adaptor [11]
RPUMBA	Round pole universal mounting adaptor [9]

Shipped separately

KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]

Control options

Shipped installed

NLTAIR2	nLight AIR generation 2 enabled [13]
PIRHN	Network, high/low motion/ambient sensor [14]
PER	NEMA twist-lock receptacle only (controls ordered separate) [15]
PER5	Five-pin receptacle only (controls ordered separate) [15,16]
PER7	Seven-pin receptacle only (controls ordered separate) [15,16]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]
DS	Dual switching [18,19,20]
PIR	High/low, motion/ambient sensor, 8-15′ mounting height, ambient sensor enabled at 5fc [20,21]
PIRH	High/low, motion/ambient sensor, 15-30′ mounting height, ambient sensor enabled at 5fc [20,21]
PIR1FC3V	High/low, motion/ambient sensor, 8-15′ mounting height, ambient sensor enabled at 1fc [20,21]
PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30′ mounting height, ambient sensor enabled at 1fc [20,21]
FAO	Field adjustable output [20,21]

Other options

Shipped installed

HS	House-side shield [23]
SF	Single fuse (120, 277, 347V) [9]
DF	Double fuse (208, 240, 480V) [9]
L90	Left rotated optics [2]
R90	Right rotated optics [2]
HA	50°C ambient operations [1]

Shipped separately

BS	Bird spikes [24]
EGS	External glare shield

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

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Ordering Information

Accessories

Ordered and shipped separately.

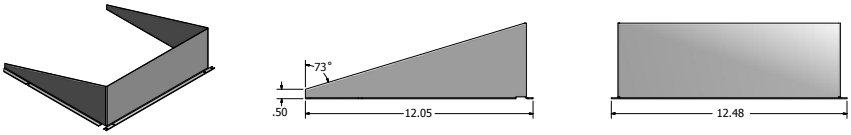
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSHORT SBK U	Shorting cap [25]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 [23]
DSX1HS 40C U	House-side shield for P6 and P7 [23]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 [23]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [26]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]
DSX1EGS (FINISH) U	External glare shield

For more control options, visit DTL and ROAM online.

NOTES
1 HA not available with P4, P5, P6, P7, P9 and P13.
2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
3 Any Type 5 distribution with photocell, is not available with WBA.
4 Not available with HS.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
7 XVOLT works with any voltage between 277V and 480V.
8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF.
10 Suitable for mounting to round poles between 3.5" and 12" diameter.
11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8
12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
18 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
19 Requires (2) separately switched circuits with isolated neutrol.
20 Reference Controls Option Default settings table on page 4.
21 Reference Motion Sensor table on page 4 to see functionality.
22 Not available with other dimming controls options.
23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
24 Must be ordered with fixture for factory pre-drilling.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

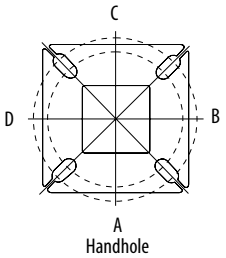
Options

EGS - External Glare Shield

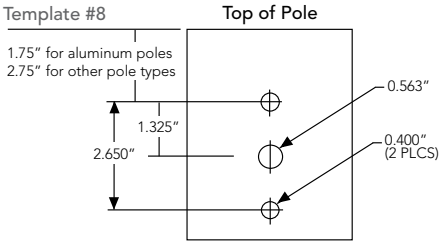


Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

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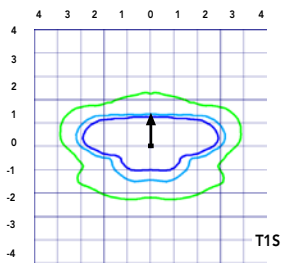
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

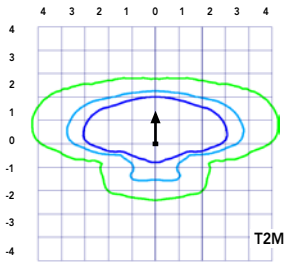
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

LEGEND

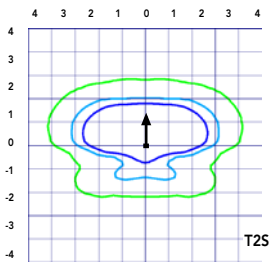
- 0.1 fc
- 0.5 fc
- 1.0 fc



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.



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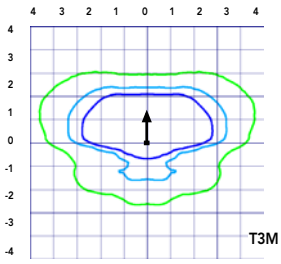

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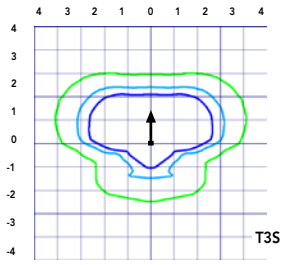

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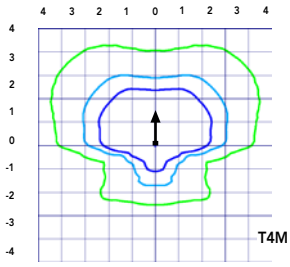

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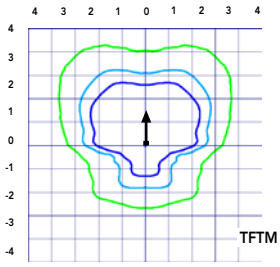

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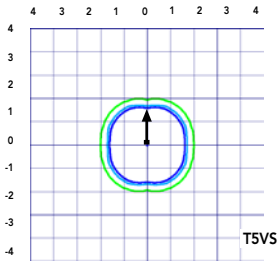

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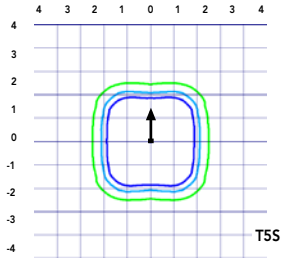

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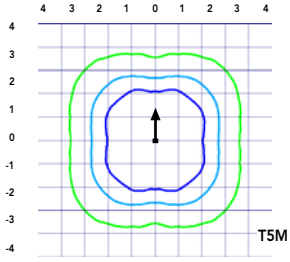

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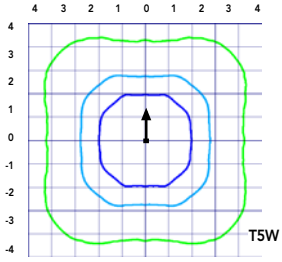

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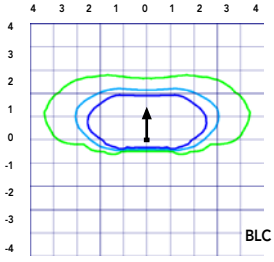

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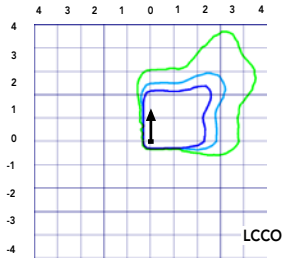

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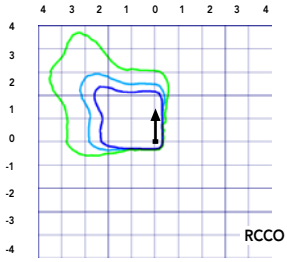

Test No. LTL23164B tested in accordance with IESNA LM-79-08.

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Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Phototcell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use when motion sensor is used as dusk to dawn control.						

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options				
Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell recepticle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	**P1**	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	**P2**	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	**P3**	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	**P4**	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	**P5**	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	**P6**	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				T5VS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	**P7**	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				T5VS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	**P8**	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	**P9**	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				T5VS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

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Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	**P10**	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	**P11**	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	**P12**	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	**P13**	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

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FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40ºC minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	Y1

SSS QS

SQUARE STRAIGHT STEEL – QUICK SHIP

FEATURES & SPECIFICATIONS

INTENDED USE — Only customers in USA are eligible for this program.

Square Straight Steel is a general purpose light pole for up to 25-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .12"), or 50 KSI (7-gauge, .18"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4" and 5".

Pole Top: A flush non-metallic black top cap is provided for all poles ordered without a tenon.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A color matched durable ABS plastic two-piece full base cover, is provided with each pole assembly.

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE – All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH – Exterior parts are protected by a TGIC or Urethane polyester powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. Extra durable standard powder-coat finishes include Dark Bronze, Black and Natural Aluminum colors.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

ORDERING INFORMATION

Example: SSS QS 20 4C DM19AS DDBXD

SSS	QS					
Series	**Quick Ship**	**Pole Length (FT)**	**Nominal shaft size/ wall thickness[1]**	**Mounting**	**Finish**	**Options**
SSS	QS	10 10' 12 12' 14 14' 16 16' 18 18' 20 20' 25 25'	4C 4" / 11 Gauge 4G 4" / 7 Gauge 5C 5" / 11 Gauge 5G 5" / 7 Gauge	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) DSX/RSX Drill mounting[2] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° ESX Drill mounting[2] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum	L/AB Less anchor bolts (Include when anchor bolts are not provided)

PROGRAM RULES:

1. Only options listed in the ordering tree are valid for the Quick Ship program.
2. Nomenclature must include "QS" after "SSS" to be qualified for Quick Ship. Example: SSS QS 20 4C DM19AS DDBXD
3. Total order quantity cannot exceed 10 poles.
4. Anchor bolts will be shipped separately.
5. Quick Ship orders cannot have "Not Before Date" or "Ship Date".
6. Quick ship orders cannot have standard pole lines.
7. All pole orders must include "Call Before Number" to avoid delays.

NOTES:

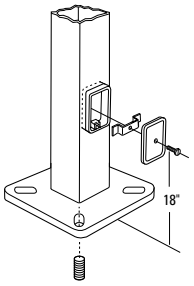
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.12" | "G" - 0.18".
2. Refer to the luminaire spec sheet for the correct drilling template pattern and orientation compatibility.

TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust														
Catalog Number	Nominal Shaft Length (ft.)	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS QS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS QS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS QS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS QS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS QS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS QS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS QS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS QS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS QS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS QS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS QS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS QS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS QS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360

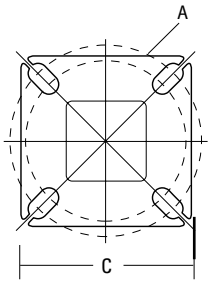
* EPA values are based on ASCE 7-93 wind map.

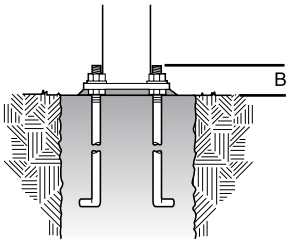
Plugs Nomenclature	Description
PL DT20	ESX Drillings
PL DT8	DSX/RSX Drillings

BASE DETAIL

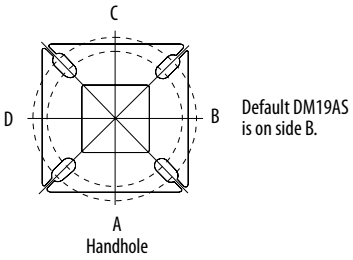


POLE DATA						
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Anchor bolt and template number	Anchor bolt description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABSSS-4C	3/4"x18"x3"
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABSSS-4G	3/4"x30"x3"
5"	10" – 12"	3.5"- 4"	11"	1"	ABSSS-5	1"x36"x4"





HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

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LG