

Architectural Review Board Staff Report

Meeting Date: February 8th, 2024

From: Alyssa Ahner, Planner

Location: 14550 Ladue Road

Description: Tpheris Israel Chevra Kadisha: An Amended Site Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a 5.45-acre tract of land located southwest of Ladue Road and north of Brayhill Court.

PROPOSAL SUMMARY

Tao+Lee Associates, on behalf of Tpheris Israel Chevra Kadisha (TICK), has submitted an Amended Site Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a proposed 9,000 sq ft addition to an existing synagogue and a new playground area.

HISTORY OF SUBJECT SITE

1972: Existing synagogue was constructed per St. Louis County records.

Pre-1988: Subject site zoned "NU" Non-Urban.

2008: Subject site rezoned from "NU" Non-Urban to "R2" Residence District.

2023: Boundary adjustment reviewed and approved to consolidate the two parcels owned by the synagogue.



Figure 1: Subject Site

STAFF ANALYSIS

The Unified Development Code's (UDC) Architectural Review Design Standards are broken down into two (2) areas of review: Site Design and Building Design.

General Requirements for Site Design are further broken down into the following categories:

- Site Relationship
- Circulation and Access
- Topography and Parking
- Retaining Walls

General Requirements for Building Design are further broken down into the following categories:

- Scale
- Design
- Materials and Color
- Landscape Design and Screening
- Signage
- Lighting

The UDC also includes the following language for existing structures: *"All additions and exterior renovations to existing structures shall advance such structures toward further compliance with the provisions of Section 405.04.010(D) of the Unified Development Code. Exterior additions shall be incorporated into one (1) cohesive design with the existing structure."*

A. Site Relationships

The subject site is surrounded by single-family residential subdivisions and a cemetery. *Figure 2* depicts what the adjacent properties are currently used for. The areas labeled as "Common Ground" are common ground for the Village of Green Trails subdivision.



Figure 2: Adjacent property land uses

B. Circulation and Access

Existing access is obtained from a private driveway on Ladue Road and there are no proposed changes to this. The site also has an existing walking path that connects to the adjacent Brayhill Court subdivision. This is only for foot traffic and there are existing barricades in place to prevent vehicular traffic. The walking path is to remain and sidewalk is required to be built along on the Brayhill Court lot frontage. *Figure 3* depicts the existing conditions of the connection to the subject site from adjacent subdivision.

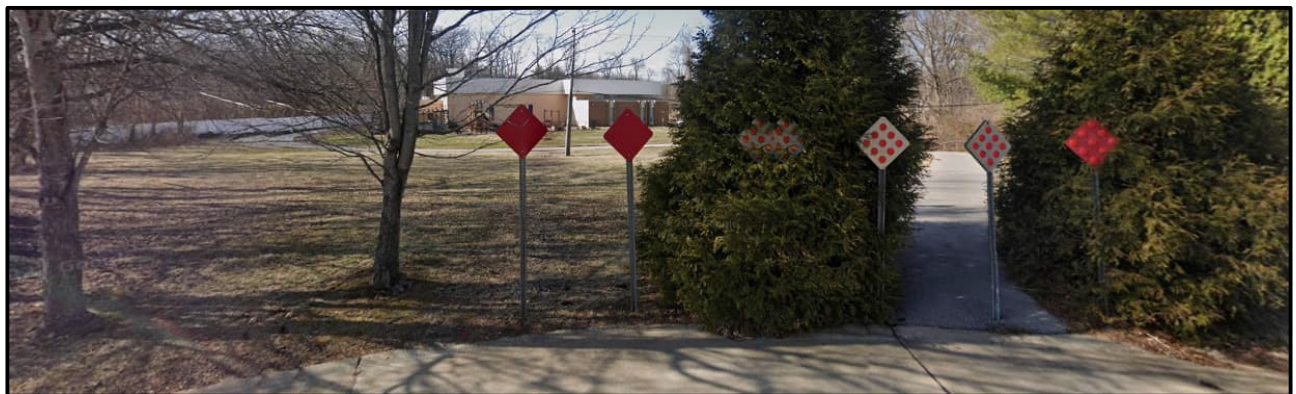


Figure 3: Existing condition of connection from adjacent subdivision

C. Topography

The site is generally flat. There is a minor increase in grade from Ladue Road to the synagogue with the highest point being where the subject site abuts the cemetery to the west.

D. Scale

The proposed addition is to match the existing building in regards to height. The area of the addition proposed as a multipurpose space will share the 24' tall roof line while areas proposed as accessory spaces will share the 12'8" roof line. The existing building is roughly 12,000 sq. ft thus the proposed 9,000 sq. ft addition is substantial to what is on site today.

E. Materials & Design

The materials and color scheme of the addition is proposed to match the existing building as closely as possible. The synagogue was built in 1972 therefore exact matches for materials/colors may not be available per the applicant.

The existing building features two different colors of brick for the portions of the building that reach 12'8" while the portions that extend up to 24' are comprised of concrete masonry units and EIFS. The proposed addition will utilize matching brick veneer for the lower roof portions. The higher roof portions will be clad in fiber cement panels. The color scheme shall remain a mixture of tan and beige. *Figure 4* below depicts some existing conditions of the north elevation or primary entrance while *Figure 5* depicts the proposed rendered north elevation. The full details of the elevations may be found in the attached packet.



Figure 4: Existing conditions of north elevation

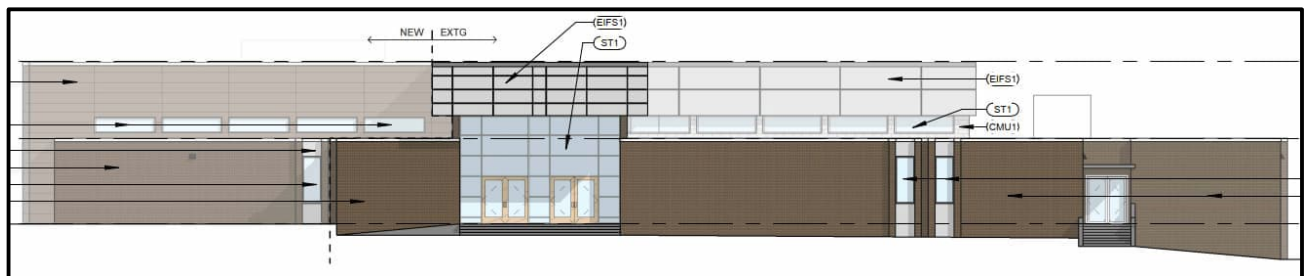


Figure 5: Proposed rendered north elevation

F. Landscape Design and Screening

A large portion of the lot is densely wooded (see *Figure 1* on the first page for reference). This is all to remain and be protected during construction. With the large wooded area, the proposed addition brings the site to an open space percentage of 73% which exceeds the 35% requirement.

A majority of the new landscaping added through this addition is on the east end of the site. The new fenced playground area will be surrounded by a mixture of shrubs and trees. Immediately north of the new

playground area will be the addition of parking spaces. The applicant is proposing landscaping, predominantly of the evergreen variety, to provide year-round screening of any car headlights onto the adjacent neighborhood. An additional layer of trees will be provided along the Brayhill Court, also of an evergreen variety, to add an extra layer of buffer from the adjacent neighborhood. *Figure 5* on the previous page helps depict some of the areas that were just referenced.

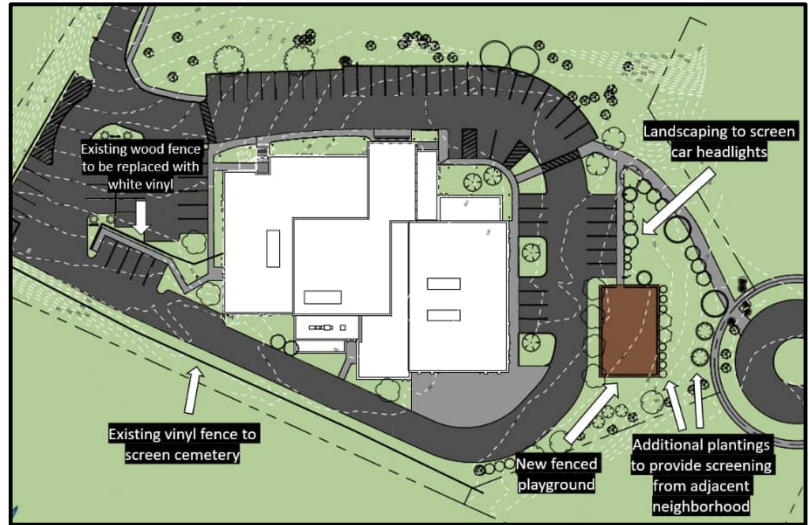


Figure 6: Landscaped areas to provide screening

There is an existing white vinyl fence on site that runs along the western and southern property lines. This fence is to remain and will be utilized in new areas of the site. A new trash enclosure is to be built in the southwest corner of the site and will be constructed of a matching white vinyl fence. Additionally, an existing wood fence will be replaced with new white vinyl fence along five (5) parking spaces on the southern property boundary to provide privacy to those entering the Mikvah.

G. Lighting

The applicant is proposing new lighting throughout the entirety of the development with this addition. This would include twelve (12) new light poles. Ten (10) light poles would be a single fixture and two (2) light poles would have twin heads. The single fixture poles are spread evenly around the perimeter of the site while the twin fixture poles are located in parking lot islands. In regards to wall mounted lighting, a mixture of sconces and wall packs incorporated around the building. Lastly, illuminated bollards will be added around walking areas. This includes the path around the building and the new path that will lead to the proposed playground. *Figure 7* below depicts three of the proposed lighting elements for the site. The full details and fixture cutsheets may be found in the attached packet. Staff continues to review lighting levels to ensure compliance with the Unified Development Code.



Figure 7: Proposed lighting elements

AERIAL OF EXISTING CONDITION



PROPOSED RENDERING



DEPARTMENT INPUT

Be advised, this project is still going through development review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the Architectural Review Board will be included in Staff's report to the Planning Commission.

Staff requests review on the Amended Site Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Tpheris Israel Chevra Kadisha.

MOTION

The following options are provided to the Architectural Review Board for consideration relative to this application:

"I move to forward the Amended Site Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Tpheris Israel Chevra Kadisha as presented, with a recommendation for approval (or denial) to the Planning Commission."

"I move to forward the Amended Site Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Tpheris Israel Chevra Kadisha to the Planning Commission with a recommendation for approval with the following recommendations..."

Attachments:

1. Architectural Review Packet Submittal

TAO + LEE ASSOCIATES

January 16, 2024

City of Chesterfield
Planning Department
690 Chesterfield Parkway W
Chesterfield, MO 63017

Re: Tpheris Israel Chevra Kadish (TICK) – Event Center
Architect’s Statement of Design

To whom it may concern,

As required by Chesterfield’s Unified Development Code, the following is our Architect’s Statement of Design to address the Architectural Review Design Standards and the intent of the project.

General Requirements for Site Design

Site Relationships:

TICK’s site is a land-locked site located off of Ladue Road. This project includes an addition (Event Center / Multipurpose Space) to their existing Synagogue building. To the Northwest and Northeast are undeveloped properties owned by Village of Green Trails Trustees (per STL County GIS). To the Southwest is Chesed Shel Emeth Cemetery. To the Southeast is Brayhill Court Subdivision.

Circulation System and Access:

By car, TICK’s site is accessed via an easement from Ladue Road. Additionally, the site can be accessed by a pedestrian trail from Brayhill Court subdivision. The existing parking lot will be reconfigured and expanded to account for additional parking required for the new addition. A new fire lane (reviewed and modified to meet Monarch Fire Department’s comments) is being proposed along the rear of the building. Existing and new sidewalks are provided throughout the site to allow visitors to reach their desired entrance.

Topography:

The proposed topography will generally remain consistent with the existing topography. Some areas will be slightly reshaped in order to appropriately collect and distribute stormwater per MSD guidelines and standards. Additionally, the topography at the new playground area will be reworked to achieve a relatively flat slope, while still being allowed to drain properly.

A preliminary review of the site plan has been conducted by MSD. The submitted site plan has been modified to meet their comments.

Retaining Walls:

A proposed retaining wall will be required along the grouping of 5 parking spaces in the southwest lot area. It is not expected that this wall will exceed 3 feet in height. The retaining walls will be constructed with modular units (Versa Lok or similar).

Architecture / Planning / Interiors / Creative Design

411 N. Tenth Street, Suite 402, Saint Louis, Missouri, 63101

p: 314-446-0885 / www.taolee.com

TAO + LEE ASSOCIATES

General Requirements for Building Design:

Scale:

The Event Center is an addition to TICK's existing Synagogue. The new addition will feature some accessory spaces (storages, restrooms, etc.) that will be in a lower roof area that matches an existing lower roof line. The main Multipurpose Space will be "popped up" to make the open interior feel more comfortable with higher ceilings. The parapet wall is intended to match the existing Sanctuary and Entry roof lines.

Design:

The intent of the new addition's design is to have it feel integrated with the existing building's architecture. Elements of the existing building are drawn upon for the addition design. At windows and storefronts, we have included the same/similar pilaster design. The new storefront's mullion grid is intended to match the existing entry storefront. The new rooftop units will be screened by a parapet wall.

Material and Colors:

Materials are to be consistent with the existing building. Lower roof areas will be clad in a brick veneer that matches the existing brick's size, style, and coloring. The popped up Multipurpose Space will be clad in fiber cement panels.

Landscape Design and Screening:

Landscape Design – The new landscape design is intended to enhance the site and building design while meeting the City of Chesterfield's requirements (landscape buffers, etc.). The landscape will be used to screen the parking from outward views from the Addition as well screen the site from the surrounding neighborhood residents.

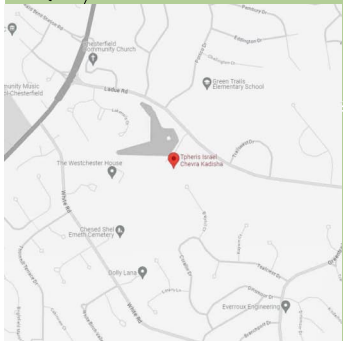
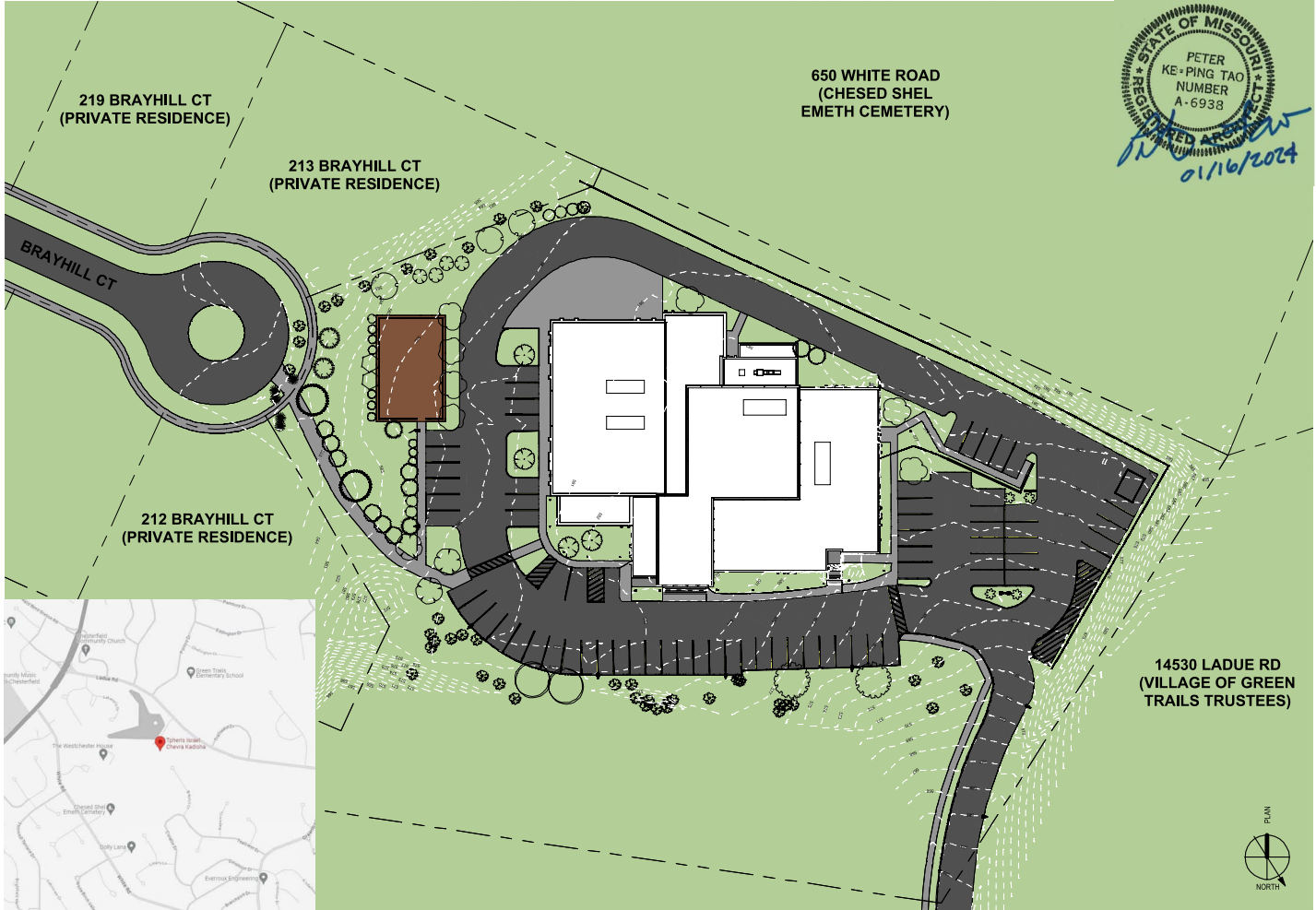
Screening – RTU's that supply the new addition will be placed on the roof. The parapet wall will be continued upward to screen the mechanical units. A privacy fence will be constructed to provide privacy to those parking and entering the Mikvah. A new trash enclosure will be also be constructed in the west corner of the site. The existing perimeter fence will remain, be modified, or be replaced as needed to accommodate the construction process and updated site layout.

Signage:

TICK's playground donor site is presently wall-mounted letters on the existing building façade. With the relocation of the new playground, a new standalone donor sign will be constructed.

Lighting:

Minimal site lighting presently exists; only wall packs and light fixtures on Ameren poles. As part of the project, pole lights will be added to illuminate the renovated parking lot. Additionally, sconces, bollard lights, landscape lights, and wall packs will be added in key areas to accentuate the building and site. All new lighting will be LED and meet the City of Chesterfield's Unified Development Code.



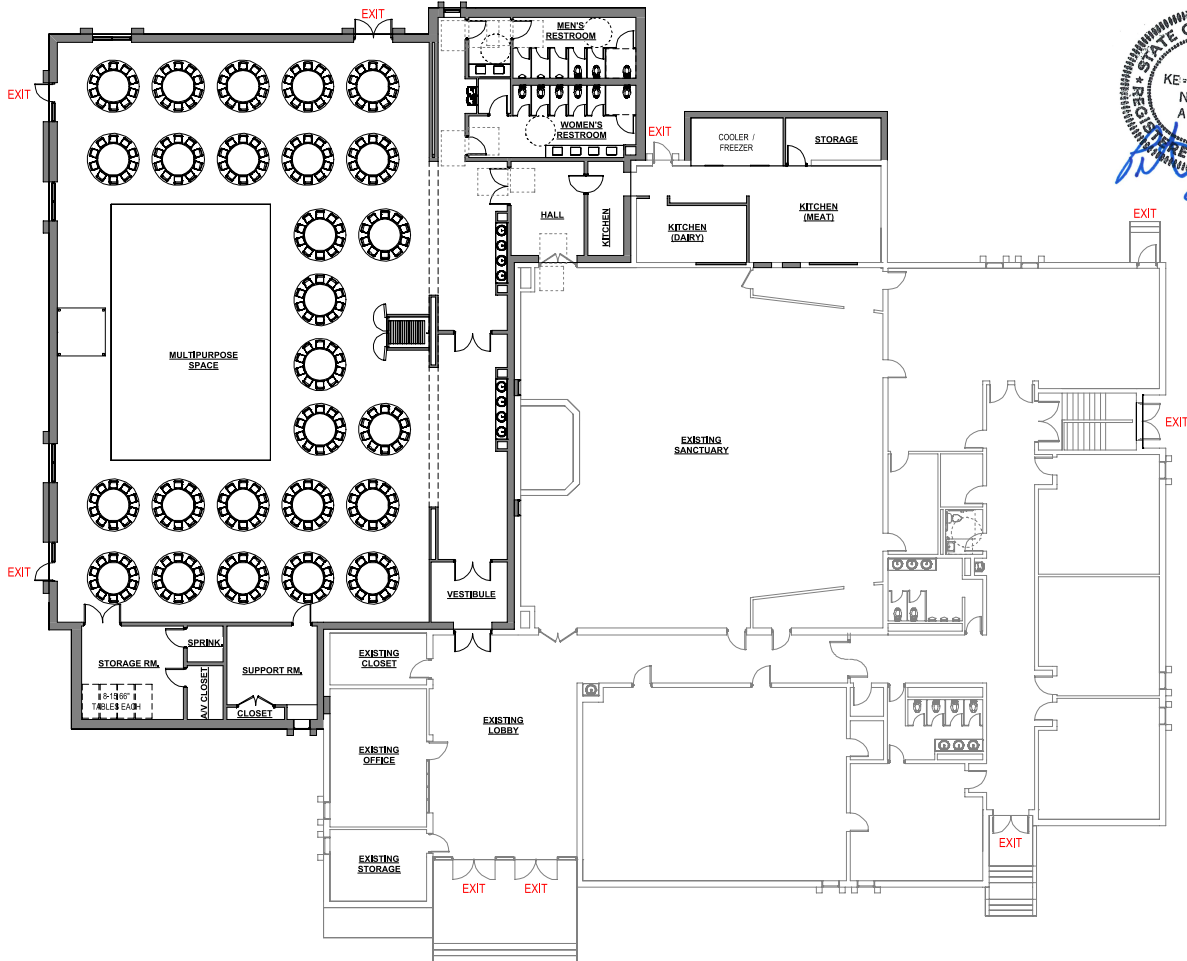
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Tpheris Israel Chevra Kadisha - Event Center

14530 Ladue Road, Chesterfield, MO 63017

ARB1

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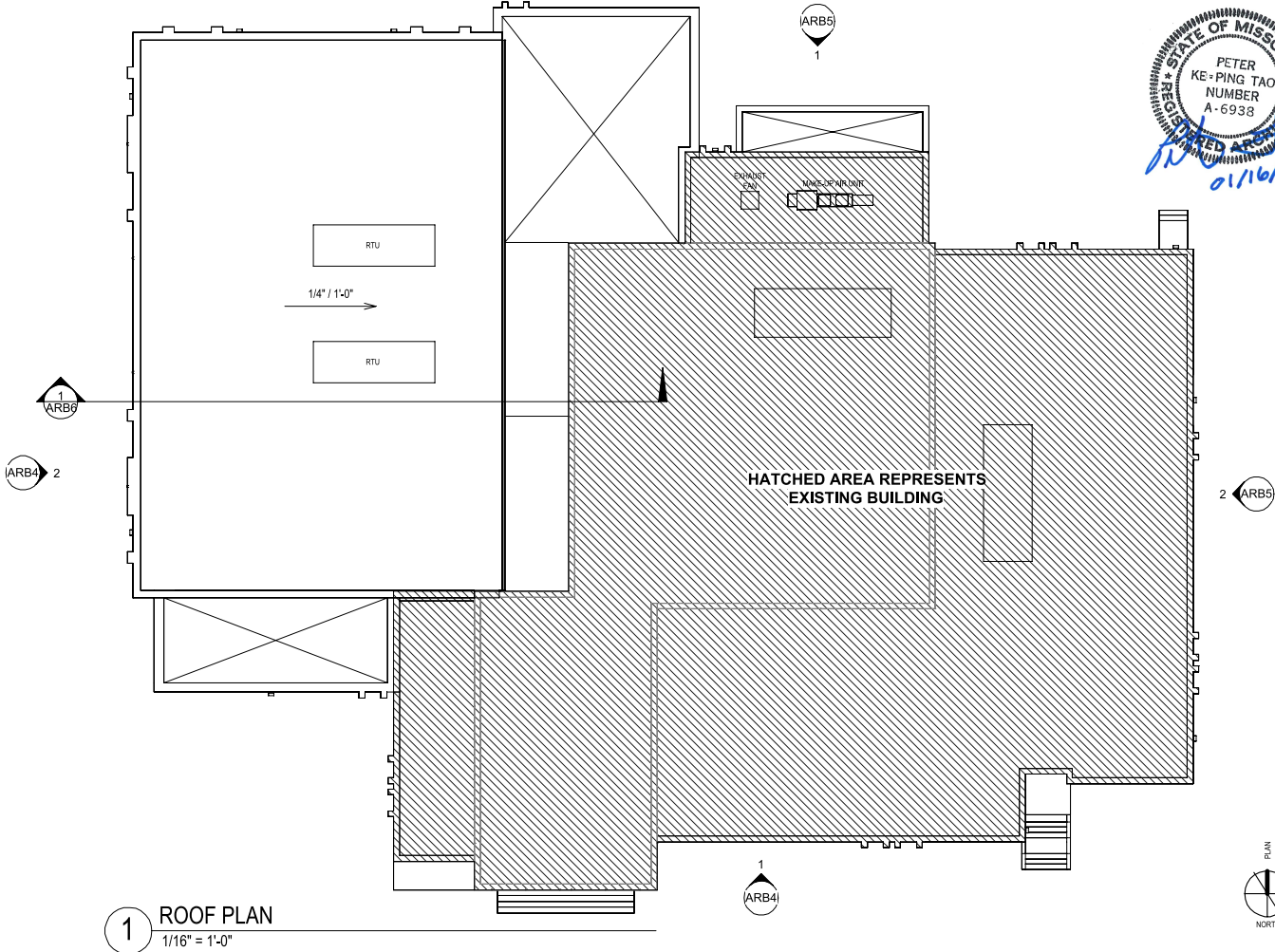
STATE OF MISSOURI
 REGISTERED ARCHITECT
 PETER KE-PING TAO
 NUMBER A-6938
MAILED ARCHITECT
 01/16/2024

1 LEVEL 1 - FLOOR PLAN
 1/16" = 1'-0"



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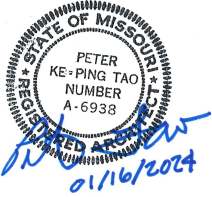
STATE OF MISSOURI
 REGISTERED PROFESSIONAL ARCHITECT
 PETER KE-PING TAO
 NUMBER A-6938
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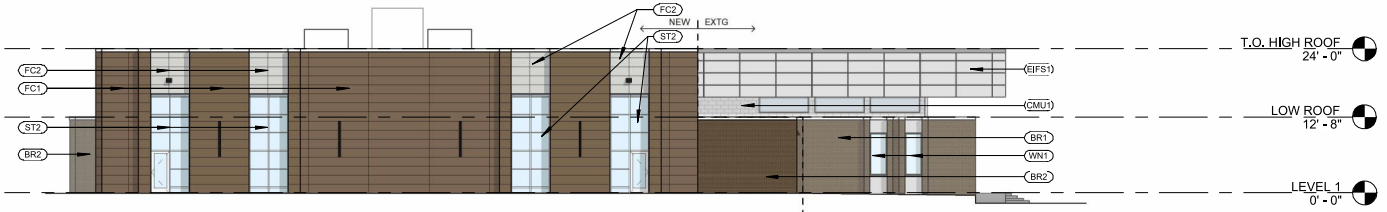
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1 ROOF PLAN
 1/16" = 1'-0"

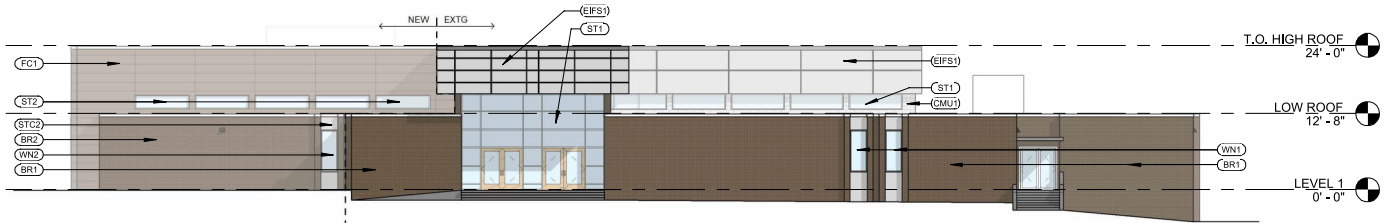
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EXTERIOR MATERIAL LEGEND					
BR1	EXISTING BRICK FACE MFR: N/A COLOR: TAN/BEIGE	FC2	FIBER CEMENT SIDING MFR: PRODUCT:	WN1	EXISTING WINDOWS MFR: UNKNOWN PRODUCT:
BR2	BRICK FACE MFR: MATCH EXISTING SIZE AND SHAPE COLOR: TAN/BEIGE	ST1	EXISTING STOREFRONT MFR: EXISTING TO REMAIN PRODUCT:	WN2	NEW WINDOWS MFR: MATCH EXISTING PRODUCT: MATCH EXISTING
CMU1	EXISTING CONCRETE MASONRY UNITS MFR: N/A COLOR:	ST2	NEW STOREFRONT WINDOW SYSTEMS MFR: MATCH EXISTING PRODUCT: MATCH EXISTING		
EIFS1	EXISTING EIFS MFR: EXISTING TO REMAIN COLOR: WHITE/LIGHT GREY	STC1	EXISTING STUCCO MFR: N/A COLOR: WHITE/LIGHT GREY		
FC1	FIBER CEMENT SIDING MFR: PRODUCT:	STC2	NEW STUCCO MFR: DRYWIT OR EQUAL COLOR: MATCH EXISTING		



2 RENDERED - EAST ELEVATION
1/16" = 1'-0"



1 RENDERED - NORTH ELEVATION
1/16" = 1'-0"



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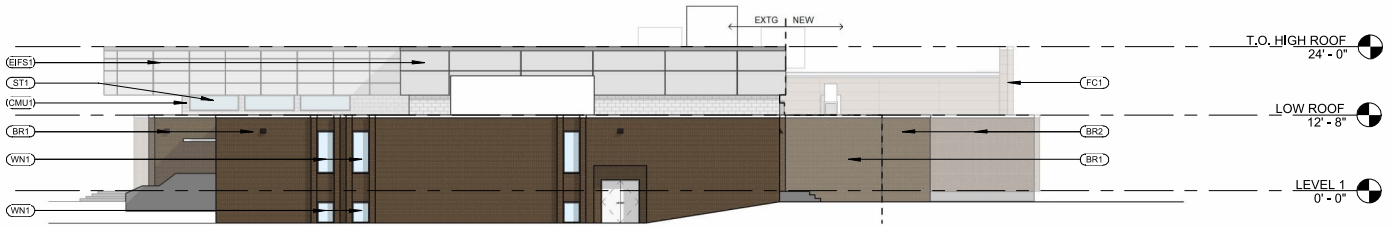
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ARB4

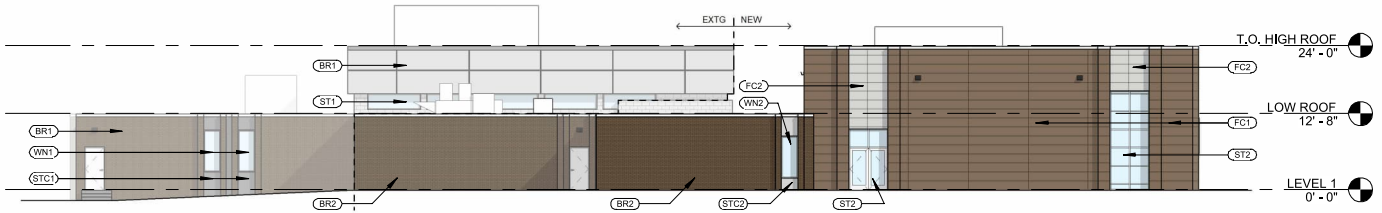
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EXTERIOR MATERIAL LEGEND					
BR1	EXISTING BRICK FACE MFR: N/A COLOR: TAN/BEIGE	FC2	FIBER CEMENT SIDING MFR: PRODUCT:	VN1	EXISTING WINDOWS MFR: UNKNOWN PRODUCT:
BR2	BRICK FACE MFR: MATCH EXISTING SIZE AND SHAPE COLOR: TAN/BEIGE	ST1	EXISTING STOREFRONT MFR: EXISTING TO REMAIN PRODUCT:	VN2	NEW WINDOWS MFR: MATCH EXISTING PRODUCT: MATCH EXISTING
CMU1	EXISTING CONCRETE MASONRY UNITS MFR: N/A COLOR:	ST2	NEW STOREFRONT WINDOW SYSTEMS MFR: MATCH EXISTING PRODUCT: MATCH EXISTING		
EIFS1	EXISTING EIFS MFR: EXISTING TO REMAIN COLOR: WHITE/LIGHT GREY	STC1	EXISTING STUCCO MFR: N/A COLOR: WHITE/LIGHT GREY		
FC1	FIBER CEMENT SIDING MFR: PRODUCT:	STC2	NEW STUCCO MFR: DRYWIT OR EQUAL COLOR: MATCH EXISTING		



2 RENDERED - WEST ELEVATION
1/16" = 1'-0"



1 RENDERED - SOUTH ELEVATION
1/16" = 1'-0"

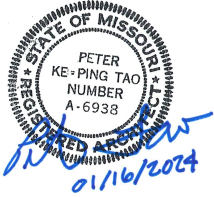


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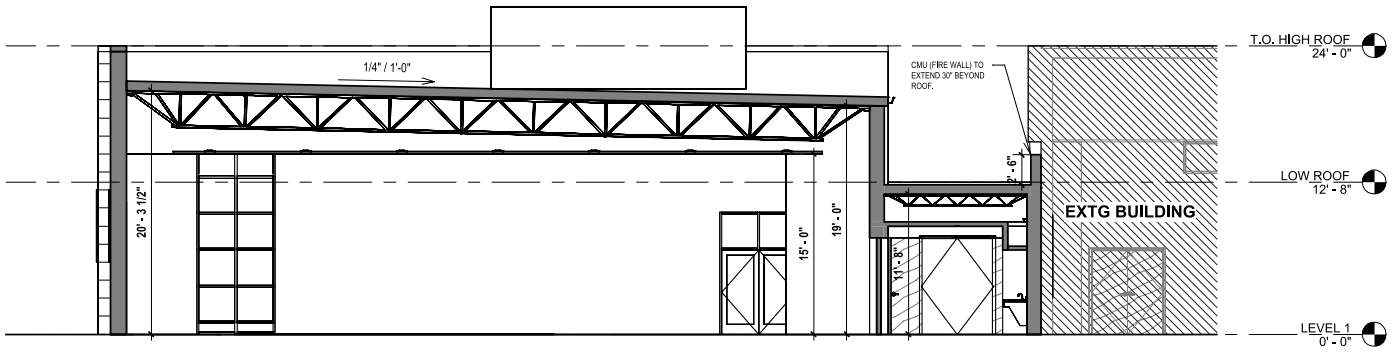
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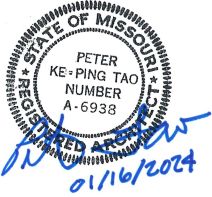
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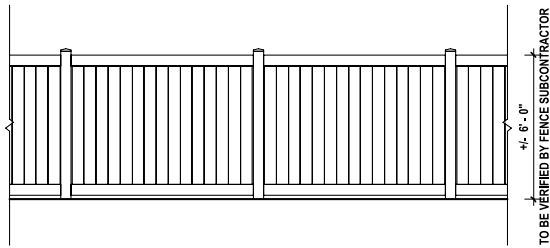
1 BUILDING SECTION
1/8" = 1'-0"

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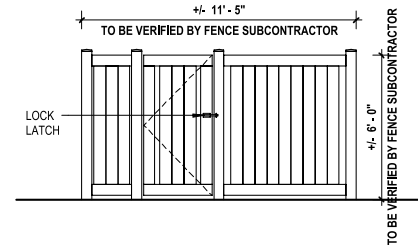
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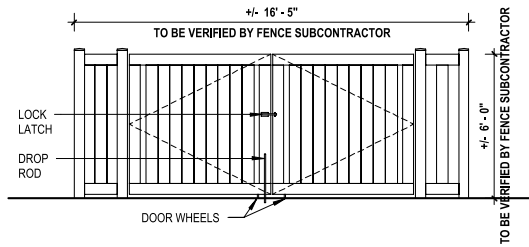
NOTE: VINYL FENCE DETAILS SHOWN FOR DESIGN INTENT ONLY. FINAL DESIGN SUBJECT TO MODIFICATIONS BY FENCE SUBCONTRACTOR.



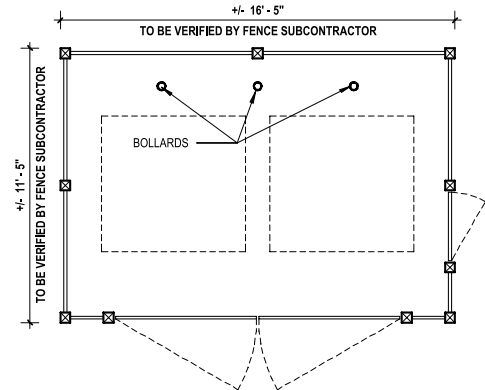
4 TYP. VINYL FENCE ELEVATION
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3 TRASH ENCLOSURE - SIDE ELEVATION
1/4" = 1'-0"



2 TRASH ENCLOSURE - FRONT ELEVATION
1/4" = 1'-0"



1 TRASH ENCLOSURE - PLAN
1/4" = 1'-0"



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FRONT ELEVATION



SIDE ELEVATION



SIDE ELEVATION



REAR ELEVATION - PART 1



REAR ELEVATION - PART 2



REAR ELEVATION - PART 3



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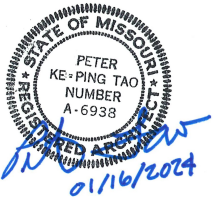
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VIEWS TOWARDS LADUE RD.



VIEWS TOWARDS BRAYHILL CT.



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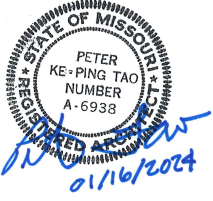
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VIEWS TOWARDS CHESED
SHELEMETH CEMETERY



VIEWS TOWARDS GREEN
TRAILS LAKE



VIEWS FROM BRAYHILL CT.



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EXISTING MAIN ENTRY AND FRONT OF ADDITION

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VIEW OF ADDITION

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SIDE ELEVATION VIEW OF ADDITION



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BACK VIEW OF ADDITION

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01/16/2024



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AERIAL VIEW OF ADDITION

Peter Lee
01/16/2024



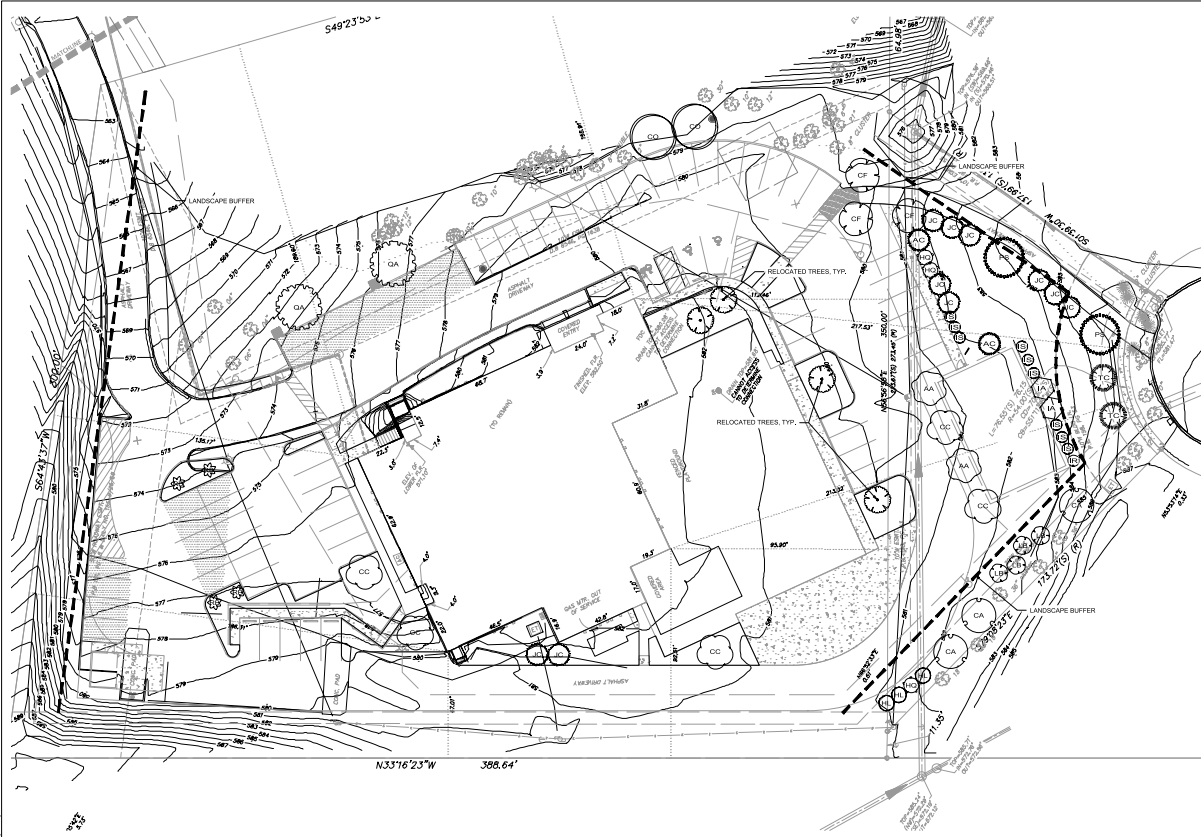
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2024.01.16 rev1



1 PLANTING PLAN
SCALE: 1" = 20'-0"

ITEM NO.	DESCRIPTION	QTY	UNIT
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GENERAL LANDSCAPE NOTES

1. PLANT LOCATION AND TREE SPECIES IN THE FIELD, THE LOCATION OF ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. THE LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL PLANT MATERIAL PRIOR TO PLANTING. DO NOT DISREGARD PLANTING MATERIAL LEVEL STAKED LOCATIONS HAVE BEEN APPROVED.
2. CONTRACTOR SHALL VERIFY PLANT QUANTITIES, ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT OF A CONCRETE SERIES BETWEEN THE PLAN DRAWINGS AND THE WRITTEN PLANT SCHEDULE. THE WRITTEN PLANT SCHEDULE SHALL PREVAIL.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PERTAINING TO CONSTRUCTION.
4. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. LOCATIONS AND QUANTITIES ARE APPROXIMATE AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE DETERMINED BY THEIR EXISTENCE AND EXACT LOCATION AND AVOID ANY DAMAGE.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UNDERGROUND UTILITIES DURING THE LANDSCAPE INSTALLATION.
6. SOIL CALIBRATE (PH AND) A MINIMUM OF 72 HOURS PRIOR TO DRIVING.
7. REPORT ANY DISCREPANCIES FOUND WITH REGARD TO EXISTING CONDITIONS OR PROPOSED DESIGN IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
8. DO NOT INTERRUPT PROCEED WITH CONSTRUCTION AS DESIGNED UNLESS IT IS FOUND THAT KNOWN DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO OBTAIN SUCH NECESSARY REVISIONS.
9. REFER TO THE DRAWINGS FOR UNDERGROUND UTILITY LOCATIONS.
10. ANY AND ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES DURING OR THE COURSE OF THE PROJECT ARE TO BE RESTORED WITH APPROPRIATE PLANT MATERIAL AS APPROVED BY LANDSCAPE ARCHITECT AND OWNER IN ADVANCE.

PLANTING SOIL NOTES

1. PLANTING SOIL SHALL BE FREE OF STONES, STUMPS, ROOTS OR OTHER WOODY MATERIAL OVER 1/2" IN DIAMETER. FOR BEST RESULTS, GRASS OR SEEDS FROM NONWEED SPECIES, SUCH AS COMMON GRASS, MAINTENANCE GRASS AND CRANFORTH TRIFOLIUM SHOULD NOT BE PRESENT IN THE SOIL.
2. PLANTING SOIL SHALL BE INSTALLED WITH ALL NEW PLANTINGS.
3. EXCAVATE EXISTING SOIL FROM PROPOSED PLANTING AREAS AS SHOWN IN ANNOTATIONS AND STOCKPILE FOR REUSE OR FOR REMOVAL FROM SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING EXCESS SOIL FROM SITE.
4. AS MUCH AS POSSIBLE, DO NOT REMOVE SOIL WITHIN A 10' FOOT RADIUS OF EXISTING TREES TO REMAIN.

PLANTING CALCULATIONS

TOTAL SITE AREA: 299,222 SF (6.40 ACRES)
 WOODLAND CANOPY: 117,988 SF (2.71 ACRES)
 HERBACEOUS TREE CANOPY: 1,839 SF (0.04 ACRES)
 TOTAL EXISTING CANOPY: 119,827 SF (2.75 ACRES)
 TOTAL REMOVAL (DISTURBED AREA: 3,211 SF)
 = 2,648 SF TOTAL EXISTING CANOPY
 (CFT REQUIRED TO MAINTAIN AT LEAST 20% WOODED AREA)
 TOTAL TREE REMOVAL: 71 AND RELOCATED
 TOTAL TREE CALIPER REMOVAL: 79'
 TOTAL REPLACEMENT TREE REQUIRED: 20 (20" CALIPER TREE)
 TOTAL TREE PROPOSED: 35

TPHERIS ISRAEL CHEVRA KADISHA
 CHESTNUT STREET
 CHESTERFIELD, MISSOURI 63077

DG2 Design
 Landscape Architecture

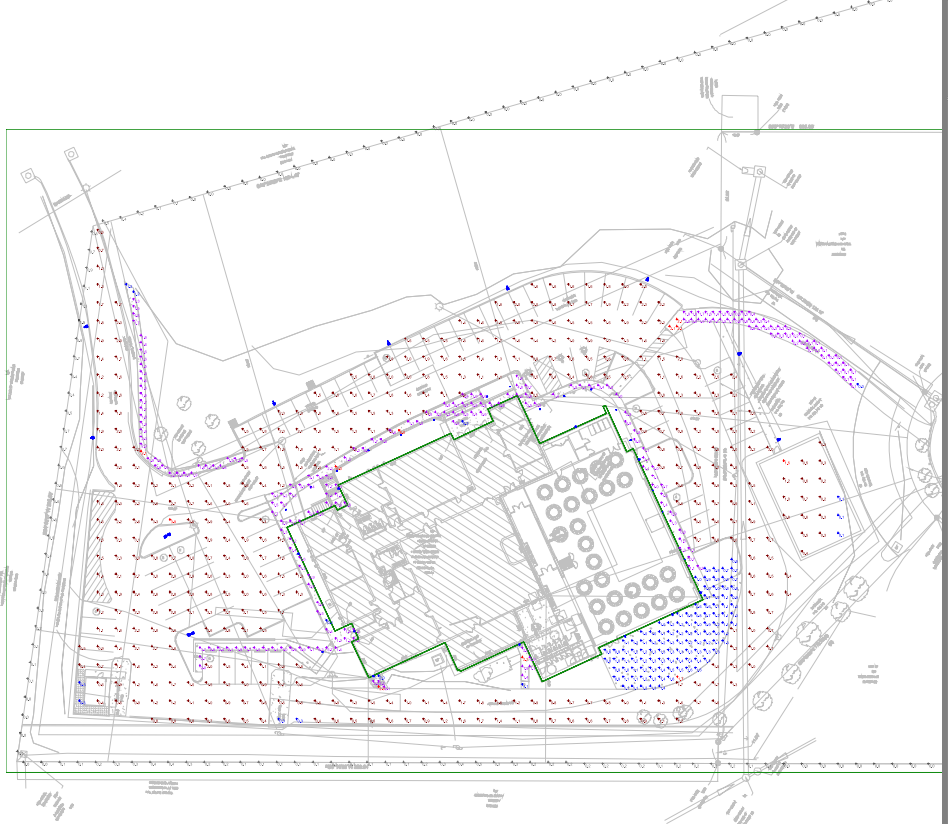
PROJECT # 2024-001
 SHEET # 001
 L100

FOR OFFICIAL USE ONLY

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Filename	Lumen Multiplier	Light Loss Factor	Total Lamp Lumens	Voltage	Plot
□	S01A	18	offwell lighting	DS11 LED F1 40x 70x 120	Downlight 1 Area Luminaire 02 Photometric Average 1800 CCT 3000K Type 3 Medium	DS11_LED_F1_40x70x120.dwg	1	0.9	1620	348V	
□	S01B	2	offwell lighting	DS11 LED F2 40x 70x 120	Downlight 1 Area Luminaire 02 Photometric Average 1800 CCT 3000K Type 4 Medium	DS11_LED_F2_40x70x120.dwg	1	0.9	1620	348V	
□	S02A	3	offwell lighting	DS02 LED F1 40x 70x 120	Downlight 1 Area Luminaire 02 Photometric Average 1800 CCT 3000K Type 3 Medium	DS02_LED_F1_40x70x120.dwg	1	0.9	1620	348V	
□	S02B	7	offwell lighting	DS02 LED F2 40x 70x 120	Downlight 1 Area Luminaire 02 Photometric Average 1800 CCT 3000K Type 4 Medium	DS02_LED_F2_40x70x120.dwg	1	0.9	1620	348V	
—	S03	4	offwell lighting	DS03 LED F1 40x 70x 120	Downlight 1 Area Luminaire 02 Photometric Average 1800 CCT 3000K Type 3 Medium	DS03_LED_F1_40x70x120.dwg	1	0.9	1620	348V	
□	S04	14	BECK Green	3374762_00	Center 6x 6x 6 Miniature	3374762_00.dwg	1	0.9	54	120V	
—	S05	1	offwell	DS05 LED F1 40x 70x 120	Downlight 1 Area Luminaire 02 Photometric Average 1800 CCT 3000K Type 3 Medium	DS05_LED_F1_40x70x120.dwg	1	0.9	1620	348V	

Description	Symbol	Avg	Min	Max	Ratio	Height
NORTH WALKWAY	+	1.7 fc	2.1 fc	1.2 fc	1.8:1	1.4:1
PARKING & DRIVEWAYS	+	1.5 fc	3.9 fc	0.3 fc	13.0:1	5.0:1
PATIO (SUKKKAH)	+	1.1 fc	1.7 fc	0.6 fc	2.8:1	1.8:1
PROPERTY LINE	+	0.2 fc	1.5 fc	0.0 fc	N/A	N/A
PROPOSED PLAYGROUND	+	0.5 fc	1.5 fc	0.1 fc	15.0:1	5.0:1
SOUTH EMERGENCY EXIT	+	2.2 fc	2.3 fc	2.0 fc	1.2:1	1.1:1
SOUTH WALKWAY	+	1.8 fc	2.2 fc	1.1 fc	2.0:1	1.6:1
WALKWAYS	+	1.7 fc	6.0 fc	0.3 fc	20.0:1	5.7:1
EAST WALKWAY	+	0.7 fc	2.1 fc	0.0 fc	N/A	N/A

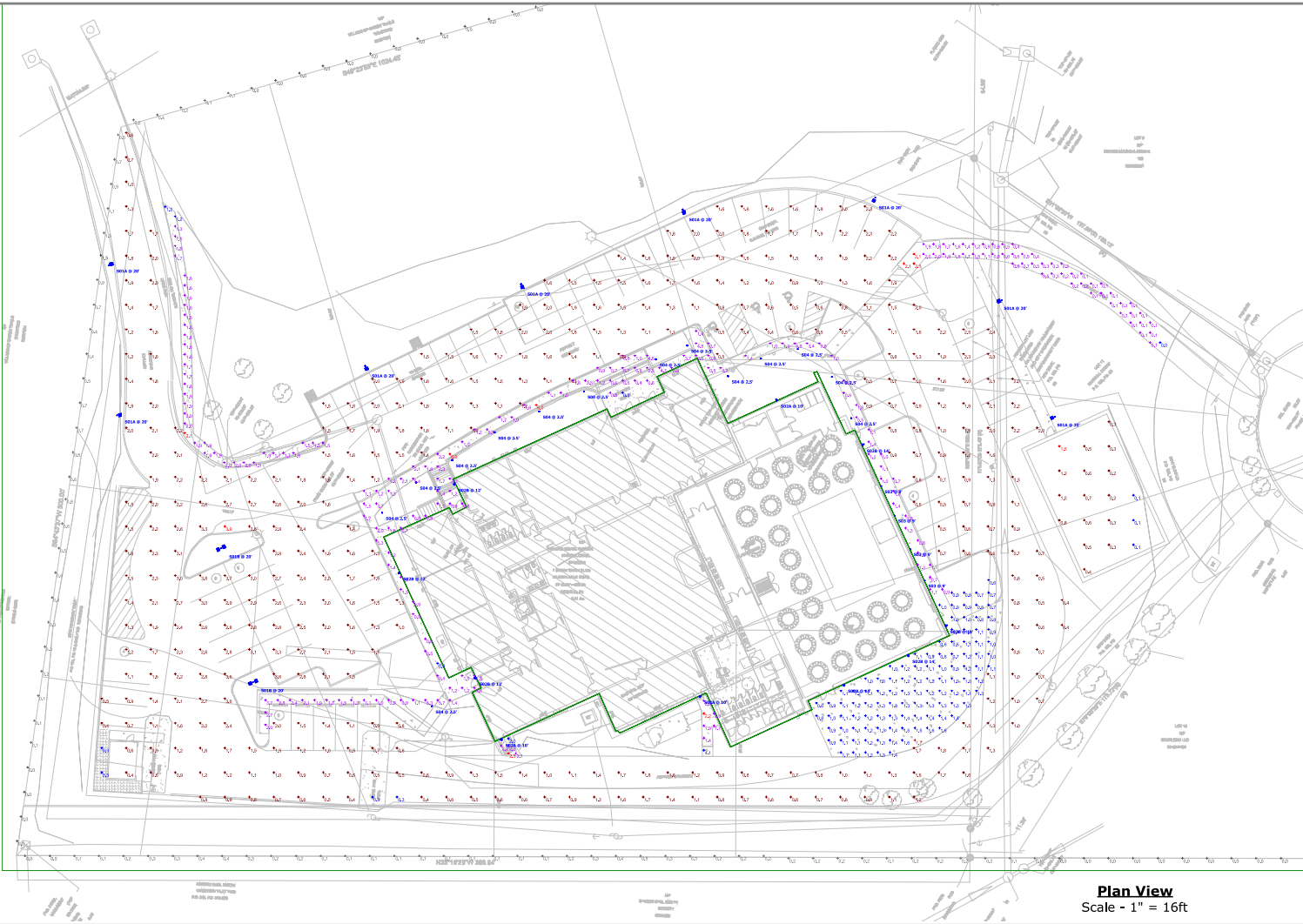
Note
 - MEASUREMENTS TAKEN @ GROUND
 - MOUNTING HEIGHT NOTED ON EACH FIXTURE



Plan View
 Scale - 1" = 25ft

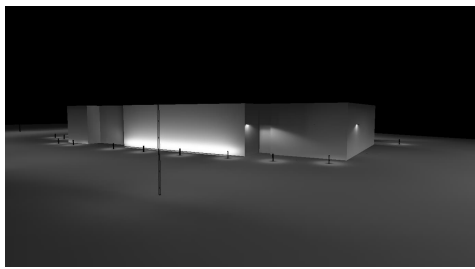
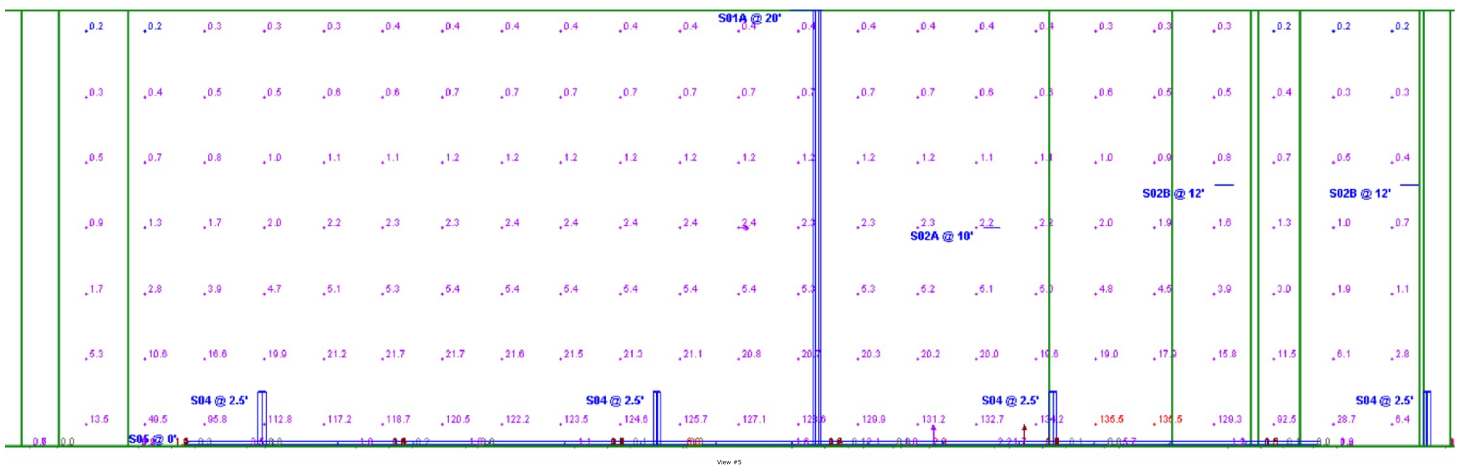
DESIGNER'S NOTE:
 THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IESNA) APPROVED METHODS. ADDITIONALLY, THE PREPARER USED INFORMATION PROVIDED BY THE CUSTOMER. IF WHEN SUFFICIENT INFORMATION WAS NOT PROVIDED, PREPARER USED EDUCATED ASSUMPTIONS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE(S) MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER FIELD CONDITIONS NOT ACCOUNTED FOR IN THIS PHOTOMETRIC ANALYSIS.
 THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR ENERGY CODE AND RELEVANT LIGHTING QUALITY COMPLIANCE.

Designer: SLG
 Date: 02/03/23
 Scale: SEE DRAWINGS
 Drawing No.: 2023-01
 Designer: MICHAEL ORSHAN
 1 of 3

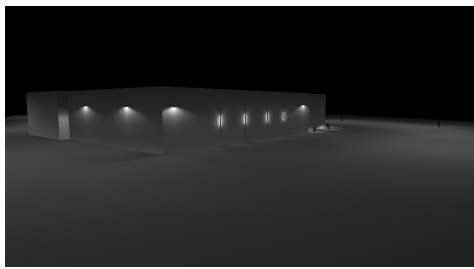


Plan View
 Scale - 1" = 16ft

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
FACADE	+	18.8 fc	135.5 fc	0.2 fc	677.5:1	94.0:1
PROPOSED PLAYGROUND	+	0.5 fc	1.5 fc	0.1 fc	15.0:1	5.0:1



NORTH FACADE



EAST FACADE

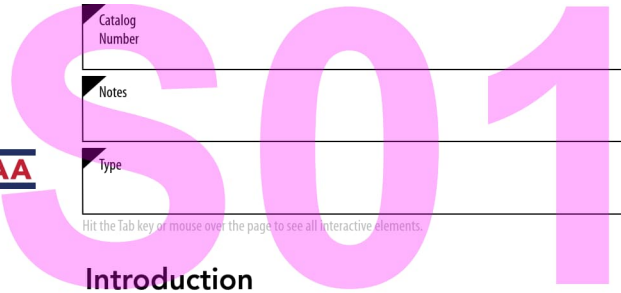


D-Series Size 1 LED Area Luminaire



Catalog Number	
Notes	
Type	

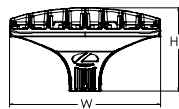
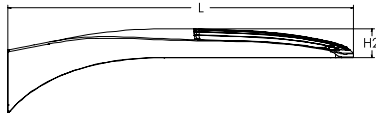
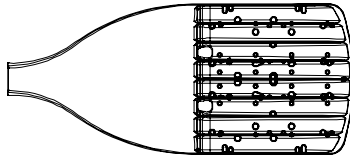
Hit the Tab key or mouse over the page to see all interactive elements.



d^{series}

Specifications

EPA:	0.69 ft ² (0.06 m ²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in 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 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED		Color temperature ²		Color Rendering Index ²		Distribution		Voltage		Mounting			
Series	LEDs												
DSX1 LED	Forward optics	(this section 70CRI only)		70CRI		AFR	Automotive front row	T5M	Type V medium	MVOLT	(120V-277V) ⁴	Shipped included	
	P1 P6	30K	3000K	70CRI		T1S	Type I short	T5LG	Type V low glare	HVOLT	(347V-480V) ^{5,6}		SPA
	P2 P7	40K	4000K	70CRI		T2M	Type II medium	T5W	Type V wide	XVOLT	(277V - 480V) ^{7,8}	RPA	Round pole mounting (#8 drilling)
	P3 P8	50K	5000K	70CRI		T3M	Type III medium	BLC3	Type III backlight control ³	120 ^{16,26}		SPA5	Square pole mounting #5 drilling ⁹
	P4 P9	(this section 80CRI only, extended lead times apply)		80CRI		T3LG	Type III low glare ³	BLC4	Type IV backlight control ³	208 ^{16,26}		RPA5	Round pole mounting #5 drilling ⁹
	P5	27K	2700K	80CRI		T4M	Type IV medium	LCCO	Left corner cutoff ³	240 ^{16,26}		SPA8N	Square narrow pole mounting #8 drilling
	Rotated optics	30K	3000K	80CRI		T4LG	Type IV low glare ³	RCCO	Right corner cutoff ³	277 ^{16,26}		WBA	Wall bracket ¹⁰
	P10 ¹ P12 ¹	35K	3500K	80CRI		TFTM	Forward throw medium			347 ^{16,26}		MA	Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
	P11 ¹ P13 ¹	40K	4000K	80CRI						480 ^{16,26}			
		50K	5000K	80CRI									

Control options	Other options	Finish (required)	
Shipped installed	Shipped installed	DDBXD	Dark Bronze
NLTAIR2 PIRHN	SPD20KV	DBLXD	Black
nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{11,12,20,21}	HS	DNAXD	Natural Aluminum
PIR	L90	DWHXD	White
High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13,20,21}	R90	DBTDXD	Textured dark bronze
PER	CCE	DBL BXD	Textured black
NEMA twist-lock receptacle only (controls ordered separately) ¹⁴	HA	DNATXD	Textured natural aluminum
PER5	BAA	DWHGXD	Textured white
Five-pin receptacle only (controls ordered separate) ^{14,21}	SF		
	DF		
	Shipped separately		
PER7	EGSR		
Seven-pin receptade only (controls ordered separate) ^{14,21}	BSDB		
FAO			
Field adjustable output ^{15,21}			
BL30			
Bi-level switched dimming, 30% ^{16,21}			
BL50			
Bi-level switched dimming, 50% ^{16,21}			
DMG			
0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷			
DS			
Dual switching ^{18,19,21}			



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	Shorting cap ²⁵
DSX1HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPAS (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPAS (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGSR (FINISH)	External glare shield (specify finish)
DSX1BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

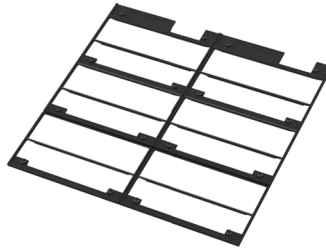
NOTES

- 1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- 3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- 4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 6 HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- 7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- 8 XVOLT not available in packages P1 or P10. XVOLT not available with fusing (SF or DF).
- 9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- 10 WBA cannot be combined with Type 5 distributions plus photoCell (PER).
- 11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- 12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
- 13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
- 14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. PhotoCell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- 15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- 16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120, 277 or 347V. Consult tech support for 208, 240 or 480V.
- 17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- 18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- 19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
- 20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
- 21 Reference Controls Options table on page 4.
- 22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 23 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- 24 Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
- 25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- 26 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



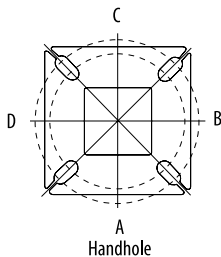
External Glare Shield (EGSR)



House Side Shield (HS)

Drilling

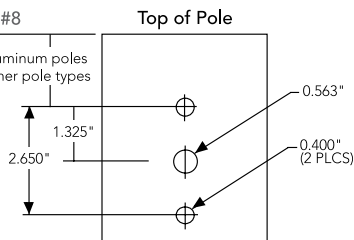
HANDHOLE ORIENTATION



Handhole

Template #8

1.75" for aluminum poles
2.75" for other pole types



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
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPAS	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

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 with SPA	0.69	1.38	1.23	1.54	—	1.58
DSX1 with SPAS, SPA8N	0.70	1.40	1.30	1.66	—	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').



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	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°C	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	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

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 (not available on DSX0)	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.
PERS or PER7	Twist-lock photocell receptacle	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. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
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 Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	30	530	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				P2	68W	30	700	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621
T2M	9,260	2	0					3	137	9,651	2	0	3	142	9,839	2	0	3	145
T3M	9,368	2	0					3	138	9,763	2	0	3	144	9,953	2	0	3	147
T3LG	8,368	1	0					2	123	8,721	1	0	2	129	8,891	1	0	2	131
T4M	9,507	2	0					3	140	9,909	2	0	3	146	10,102	2	0	3	149
T4LG	8,647	1	0					2	128	9,012	1	0	2	133	9,187	1	0	2	136
TFTM	9,573	2	0					3	141	9,977	2	0	3	147	10,172	2	0	3	150
T5M	9,782	4	0					2	144	10,195	4	0	2	150	10,393	4	0	2	153
T5W	9,940	4	0					2	147	10,360	4	0	2	153	10,562	4	0	2	156
T5LG	9,810	3	0					1	145	10,224	3	0	1	151	10,423	3	0	1	154
BLC3	6,814	0	0					2	101	7,101	0	0	2	105	7,240	0	0	2	107
BLC4	7,038	0	0					3	104	7,334	0	0	3	108	7,477	0	0	3	110
RCCO	6,875	1	0					2	101	7,165	1	0	2	106	7,305	1	0	2	108
LCCO	6,875	1	0					2	101	7,165	1	0	2	106	7,305	1	0	2	108
AFR	9,997	1	0					2	147	10,418	1	0	2	154	10,621	1	0	2	157
P3	102W	30	1050					T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P4	124W	30	1250	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				P5	138W	30	1400	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180
T2M	16,723	3	0					4	121	17,428	3	0	4	126	17,768	3	0	4	129
T3M	16,917	3	0					4	122	17,630	3	0	4	128	17,974	3	0	4	130
T3LG	15,111	2	0					2	109	15,749	2	0	2	114	16,055	2	0	2	116
T4M	17,169	3	0					5	124	17,893	3	0	5	130	18,242	3	0	5	132
T4LG	15,615	2	0					2	113	16,274	2	0	2	118	16,591	2	0	2	120
TFTM	17,288	2	0					4	125	18,017	2	0	5	130	18,368	3	0	5	133
T5M	17,664	5	0					3	128	18,410	5	0	3	133	18,768	5	0	3	136
T5W	17,951	5	0					3	130	18,708	5	0	3	135	19,073	5	0	3	138
T5LG	17,716	4	0					2	128	18,463	4	0	2	134	18,823	4	0	2	136
BLC3	12,305	0	0					3	89	12,824	0	0	3	93	13,074	0	0	3	95
BLC4	12,709	0	0					4	92	13,245	0	0	4	96	13,503	0	0	4	98
RCCO	12,416	1	0					3	90	12,940	1	0	3	94	13,192	1	0	3	95
LCCO	12,416	1	0					3	90	12,940	1	0	3	94	13,192	1	0	3	95
AFR	18,052	2	0					3	131	18,814	2	0	3	136	19,180	2	0	3	139
P6	165W	40	1250					T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345
				T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P7	184W	40	1400	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				T2M	21,066	3	0	4	114	21,955	3	0	4	119	22,383	3	0	4	121
				T3M	21,311	3	0	5	116	22,210	3	0	5	120	22,642	3	0	5	123
				T3LG	19,036	2	0	2	103	19,839	2	0	3	108	20,226	2	0	3	110
				T4M	21,628	3	0	5	117	22,541	3	0	5	122	22,980	3	0	5	125
				T4LG	19,671	2	0	2	107	20,501	2	0	3	111	20,900	2	0	3	113
				TFTM	21,778	3	0	5	118	22,697	3	0	5	123	23,139	3	0	5	125
				T5M	22,252	5	0	3	121	23,191	5	0	3	126	23,643	5	0	3	128
				T5W	22,613	5	0	3	123	23,567	5	0	4	128	24,027	5	0	4	130
				T5LG	22,317	4	0	2	121	23,258	4	0	2	126	23,712	4	0	2	129
				BLC3	15,501	0	0	3	84	16,155	0	0	4	88	16,470	0	0	4	89
				BLC4	16,010	0	0	4	87	16,685	0	0	4	90	17,010	0	0	4	92
				RCCO	15,641	1	0	3	85	16,301	1	0	3	89	16,619	1	0	3	90
				LCCO	15,641	1	0	3	85	16,301	1	0	3	89	16,619	1	0	3	90
				AFR	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				P8	216W	60	1100	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495
T2M	26,587	3	0					5	123	27,709	3	0	5	128	28,249	3	0	5	131
T3M	26,895	3	0					5	125	28,030	3	0	5	130	28,576	3	0	5	132
T3LG	24,025	3	0					3	111	25,038	3	0	3	116	25,526	3	0	3	118
T4M	27,296	3	0					5	127	28,448	3	0	5	132	29,002	3	0	5	134
T4LG	24,826	3	0					3	115	25,873	3	0	3	120	26,378	3	0	3	122
TFTM	27,485	3	0					5	127	28,645	3	0	5	133	29,203	3	0	5	135
T5M	28,084	5	0					4	130	29,269	5	0	4	136	29,839	5	0	4	138
T5W	28,539	5	0					4	132	29,743	5	0	4	138	30,323	5	0	4	141
T5LG	28,165	4	0					2	131	29,354	4	0	2	136	29,926	4	0	2	139
BLC3	19,563	0	0					4	91	20,388	0	0	4	94	20,786	0	0	4	96
BLC4	20,205	0	0					5	94	21,057	0	0	5	98	21,468	0	0	5	99
RCCO	19,740	1	0					4	91	20,572	1	0	4	95	20,973	1	0	4	97
LCCO	19,740	1	0					4	91	20,572	1	0	4	95	20,973	1	0	4	97
AFR	28,701	3	0					3	133	29,912	3	0	4	139	30,495	3	0	4	141
P9	277W	60	1400					T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134

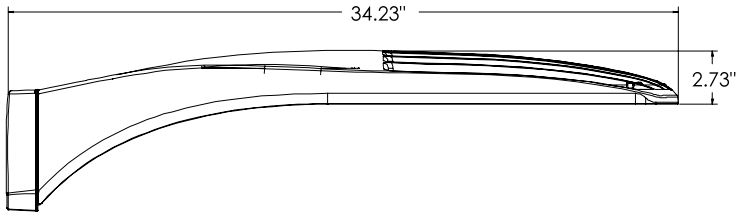
Performance Data

Lumen Output

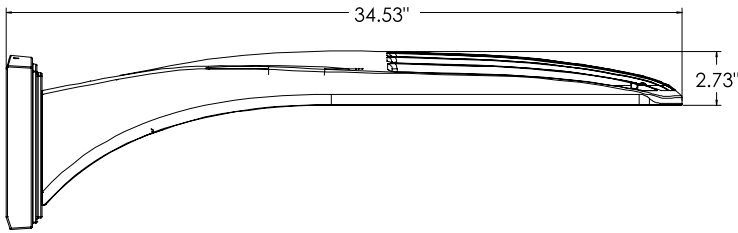
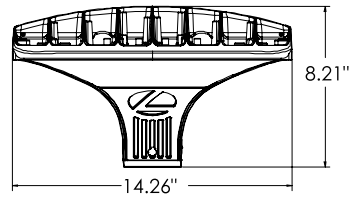
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	101W	60	530	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				T2M	14,047	4	0	4	139	14,640	4	0	4	145	14,925	4	0	4	147
				T3M	14,208	4	0	4	140	14,807	4	0	4	146	15,096	4	0	4	149
				T3LG	12,693	3	0	3	125	13,229	3	0	3	131	13,487	3	0	3	133
				T4M	14,420	4	0	4	142	15,028	4	0	4	148	15,321	4	0	4	151
				T4LG	13,115	3	0	3	129	13,668	3	0	3	135	13,934	3	0	3	138
				TFTM	14,522	4	0	4	143	15,134	4	0	4	149	15,429	4	0	4	152
				T5M	14,836	4	0	2	146	15,462	4	0	2	153	15,763	4	0	2	156
				T5W	15,076	4	0	3	149	15,712	5	0	3	155	16,019	5	0	3	158
				T5LG	14,879	3	0	2	147	15,507	3	0	2	153	15,809	3	0	2	156
				BLC3	10,335	3	0	3	102	10,771	4	0	4	106	10,981	4	0	4	108
				BLC4	10,674	4	0	4	105	11,124	4	0	4	110	11,341	4	0	4	112
				RCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				LCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				AFR	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				P11	135W	60	700	T1S	19,437	4	0	4	144	20,257	4	0	4	150	20,651
T2M	18,005	4	0					4	133	18,765	4	0	4	139	19,131	4	0	4	142
T3M	18,211	4	0					4	135	18,980	4	0	4	141	19,350	4	0	4	143
T3LG	16,270	3	0					3	121	16,957	3	0	3	126	17,287	4	0	4	128
T4M	18,483	4	0					4	137	19,263	5	0	5	143	19,638	5	0	5	146
T4LG	16,810	3	0					3	125	17,519	3	0	3	130	17,861	3	0	3	132
TFTM	18,614	4	0					4	138	19,399	4	0	4	144	19,777	5	0	5	147
T5M	19,017	5	0					3	141	19,819	5	0	3	147	20,205	5	0	3	150
T5W	19,325	5	0					3	143	20,140	5	0	3	149	20,533	5	0	3	152
T5LG	19,072	4	0					2	141	19,876	4	0	2	147	20,264	4	0	2	150
BLC3	13,247	4	0					4	98	13,806	4	0	4	102	14,075	4	0	4	104
BLC4	13,682	4	0					4	101	14,259	4	0	4	106	14,537	4	0	4	108
RCCO	13,367	1	0					3	99	13,931	1	0	3	103	14,203	1	0	3	105
LCCO	13,367	1	0					3	99	13,931	1	0	3	103	14,203	1	0	3	105
AFR	19,437	4	0					4	144	20,257	4	0	4	150	20,651	4	0	4	153
P12	206W	60	1050					T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174
				T2M	25,436	5	0	5	124	26,509	5	0	5	129	27,025	5	0	5	131
				T3M	25,727	5	0	5	125	26,812	5	0	5	130	27,335	5	0	5	133
				T3LG	22,984	4	0	4	112	23,954	4	0	4	116	24,421	4	0	4	119
				T4M	26,110	5	0	5	127	27,212	5	0	5	132	27,742	5	0	5	135
				T4LG	23,747	4	0	4	115	24,749	4	0	4	120	25,231	4	0	4	123
				TFTM	26,295	5	0	5	128	27,404	5	0	5	133	27,938	5	0	5	136
				T5M	26,864	5	0	4	130	27,997	5	0	4	136	28,543	5	0	4	139
				T5W	27,299	5	0	4	133	28,451	5	0	4	138	29,006	5	0	4	141
				T5LG	26,942	4	0	2	131	28,078	4	0	2	136	28,626	4	0	2	139
				BLC3	18,714	4	0	4	91	19,504	4	0	4	95	19,884	4	0	4	97
				BLC4	19,327	5	0	5	94	20,143	5	0	5	98	20,535	5	0	5	100
				RCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				LCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				AFR	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
				P13	276W	60	1400	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588
T2M	31,900	5	0					5	116	33,246	5	0	5	121	33,894	5	0	5	123
T3M	32,265	5	0					5	117	33,626	5	0	5	122	34,282	5	0	5	124
T3LG	28,826	4	0					4	105	30,042	4	0	4	109	30,628	4	0	4	111
T4M	32,746	5	0					5	119	34,128	5	0	5	124	34,793	5	0	5	126
T4LG	29,782	4	0					4	108	31,039	4	0	4	113	31,644	5	0	4	115
TFTM	32,978	5	0					5	120	34,369	5	0	5	125	35,039	5	0	5	127
T5M	33,692	5	0					4	122	35,113	5	0	4	127	35,797	5	0	4	130
T5W	34,238	5	0					4	124	35,682	5	0	4	129	36,378	5	0	4	132
T5LG	33,789	5	0					3	122	35,215	5	0	3	128	35,901	5	0	3	130
BLC3	23,471	5	0					5	85	24,461	5	0	5	89	24,937	5	0	5	90
BLC4	24,240	5	0					5	88	25,262	5	0	5	92	25,755	5	0	5	93
RCCO	23,683	1	0					4	86	24,682	1	0	4	89	25,163	1	0	4	91
LCCO	23,683	1	0					4	86	24,682	1	0	4	89	25,163	1	0	4	91
AFR	34,436	5	0					5	125	35,889	5	0	5	130	36,588	5	0	5	133

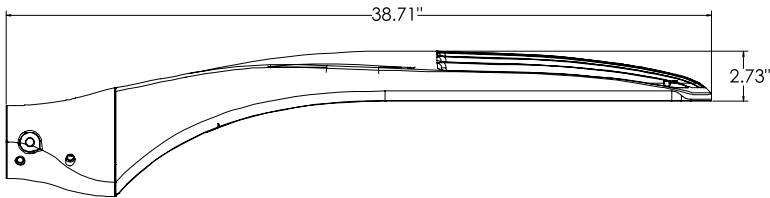
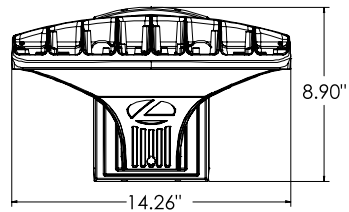
Dimensions



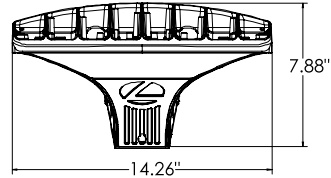
DSX1 with RPA, RPA5, SPA5, SPA8N mount
Weight: 36 lbs



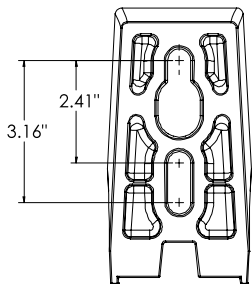
DSX1 with WBA mount
Weight: 38 lbs



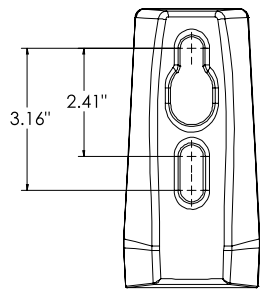
DSX1 with MA mount
Weight: 39 lbs



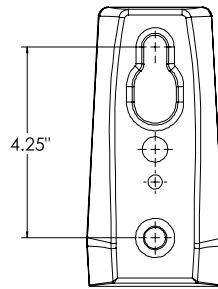
SPA (STANDARD ARM)



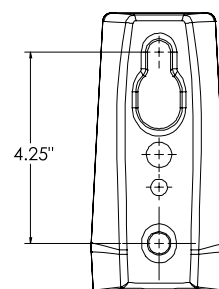
RPA



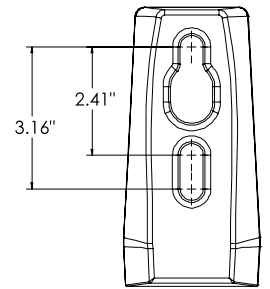
SPA5



RPA5

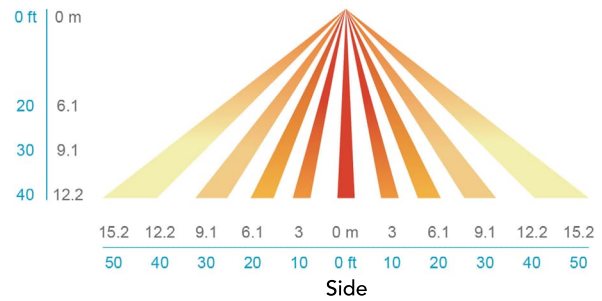
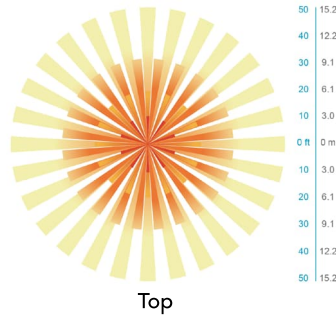


SPA8N



nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



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 driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G for SPA and MA. 1.5G for mountings RPA, RPA5, SPA5 and SPA8N. Low EPA (0.69 ft²) 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.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone 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. 80CRI configurations are also available. 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 L81/100,000 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 sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

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 luminaires 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 Eclipse. Additional information about nLight Air can be found here.

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

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.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.



WDGE2 LED

Architectural Wall Sconce

Visual Comfort Optic



Catalog Number

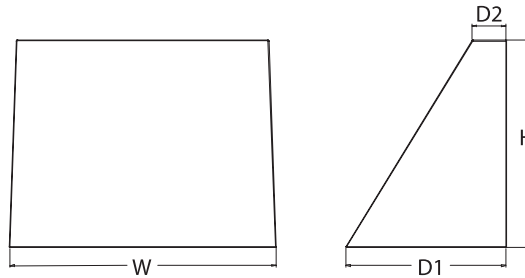
Notes

Type

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

Specifications

Depth (D1):	7"
Depth (D2):	1.5"
Height:	9"
Width:	11.5"
Weight: (without options)	13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting		
WDGE2 LED	P1 ¹	P1SW	27K 2700K	80CRI	VF	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁷		
	P2 ¹	P2SW	30K 3000K	90CRI	VF		Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.	
	P3 ¹	P3SW	35K 3500K		VW			
	P4 ¹	Door with small window (SW) is required to accommodate sensors. See page 2 for more details.		40K 4000K				
	P5 ¹		50K ² 5000K					

Options	Finish
E4WH Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min) E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) PE⁴ Photocell, Button Type DS⁵ Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details) DMG⁶ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. BAA Buy America(n) Act Compliant	Standalone Sensors/Controls (only available with P1SW, P2SW & P3SW) PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. Networked Sensors/Controls (only available with P1SW, P2SW & P3SW) NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality
	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBDX Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone



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WDGE2 LED
 Rev. 11/21/22

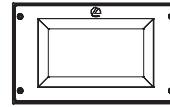
Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2P8BW DDBXD U	WDGE2 surface-mounted back box (specify finish)

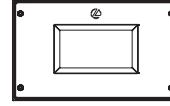
NOTES

- P1-P5 not available with sensors/controls. Sensors/controls only available with P1SW, P2SW and P3SW.
- 50K not available in 90CRI
- 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- PE not available in 480V or with sensors/controls
- DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- DMG option not available with sensors/controls
- Not qualified for DLC. Not available with emergency battery backup or sensors/controls



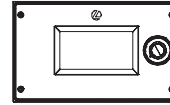
Default configuration with no sensors/controls.

Power Packages: P1, P2, P3, P4, P5



Small Window (SW) configuration

Power Packages: P1SW, P2SW, P3SW



Configuration with sensors/controls

Power Packages: P1SW, P2SW, P3SW

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.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1 / P1SW	10W	VF	1,166	119	0	0	0	1,209	123	0	0	0	1,251	128	0	0	0	1,256	128	0	0	0	1,254	128	0	0	0
		VW	1,197	122	0	0	0	1,241	126	0	0	0	1,284	131	0	0	0	1,289	131	0	0	0	1,286	131	0	0	0
P2 / P2SW	15W	VF	1,878	129	1	0	0	1,947	134	1	0	0	2,015	139	1	0	0	2,023	139	1	0	0	2,019	139	1	0	0
		VW	1,927	133	1	0	0	1,997	137	1	0	0	2,067	142	1	0	0	2,075	143	1	0	0	2,071	143	1	0	0
P3 / P3SW	23W	VF	2,908	129	1	0	0	3,015	134	1	0	0	3,119	138	1	0	0	3,132	139	1	0	0	3,126	139	1	0	0
		VW	2,983	132	1	0	0	3,093	137	1	0	0	3,200	142	1	0	0	3,213	143	1	0	0	3,206	142	1	0	0
P4	35W	VF	4,096	117	1	0	1	4,247	121	1	0	1	4,394	126	1	0	1	4,412	126	1	0	1	4,403	126	1	0	1
		VW	4,202	120	1	0	0	4,357	125	1	0	1	4,508	129	1	0	1	4,526	129	1	0	1	4,517	129	1	0	1
P5	48W	VF	5,567	115	1	0	1	5,772	119	1	0	1	5,972	123	1	0	1	5,996	124	1	0	1	5,984	124	1	0	1
		VW	5,711	118	1	0	1	5,921	122	1	0	1	6,127	126	1	0	1	6,151	127	1	0	1	6,139	127	1	0	1

Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 / P1SW	10W	0.082	0.049	0.043	0.038	--	--
	13W	--	--	--	--	0.046	0.033
P2 / P2SW	15W	0.132	0.081	0.072	0.064	--	--
	18W	--	--	--	--	0.056	0.041
P3 / P3SW	23W	0.195	0.114	0.100	0.088	--	--
	26W	--	--	--	--	0.079	0.058
P4	35W	0.302	0.175	0.152	0.134	--	--
	38W	--	--	--	--	0.115	0.086
P5	48W	0.434	0.241	0.211	0.184	--	--
	52W	--	--	--	--	0.157	0.119

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647
E10WH	VF	1,658
	VW	1,701
E20WC	VF	2,840
	VW	2,913

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

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	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91



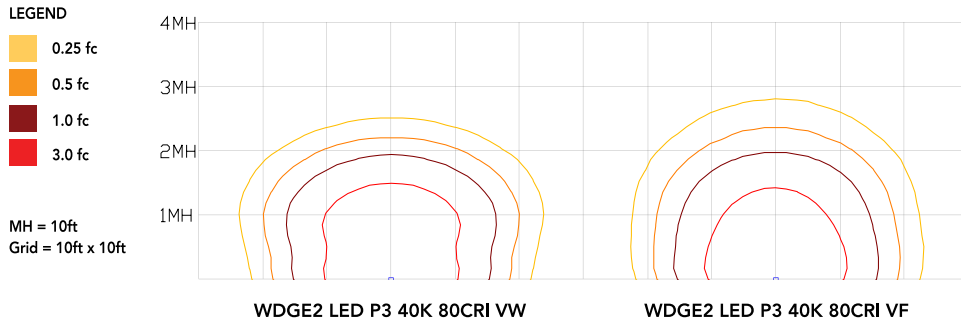
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WDGE2 LED
Rev. 11/21/22

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



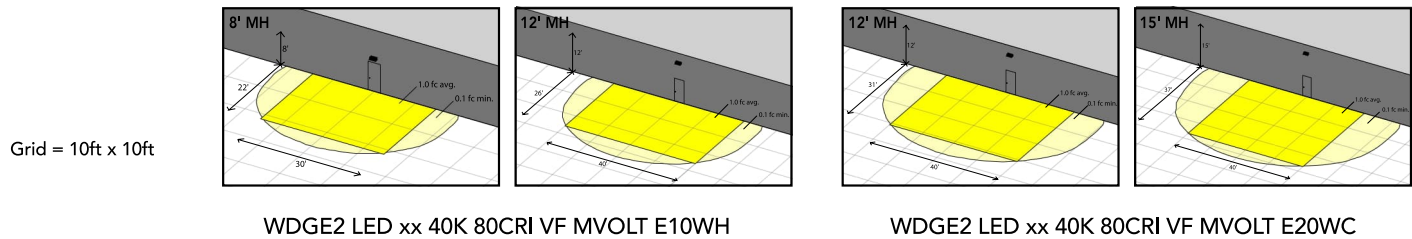
Emergency Egress Options

Emergency Battery Backup

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 battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

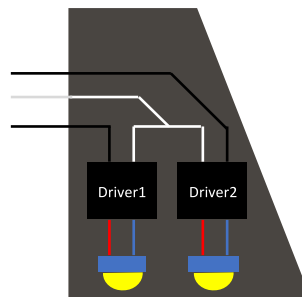
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Motion/Ambient Sensor (PIR_, PIRH_)

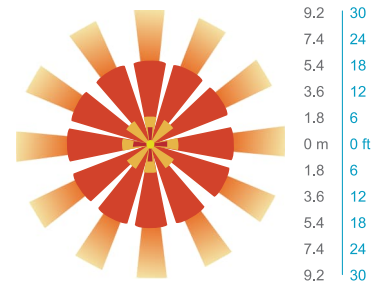
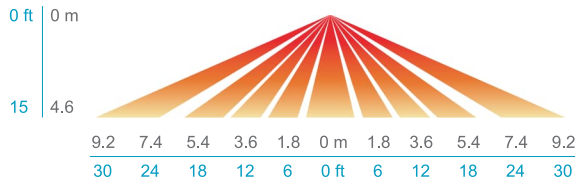
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

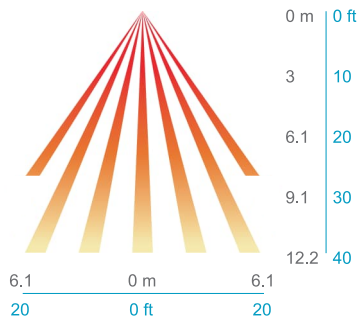
PIR

HIGH VIEW

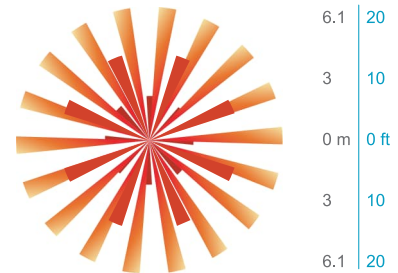


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



NLTAIR2 PIR – nLight AIR Motion/Ambient Sensor

D = 7"

H = 11"

W = 11.5"



PBBW – Surface-Mounted Back Box Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

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 IP66 rating for the luminaire.

FINISH

Exterior painted 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 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 WDGE 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 consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. 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 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.



WEDGE3 LED

Architectural Wall Sconce



Catalog Number

Notes

Type

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

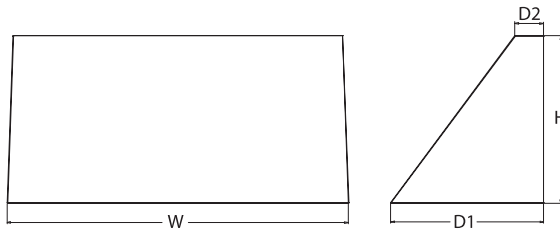
Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WEDGE family provides additional energy savings and code compliance.

WEDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

Specifications

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



WEDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WEDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WEDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WEDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WEDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE3 LED	P1	30K 3000K	70CRI	R2 Type 2	MVOLT	Shipped included SRM Surface mounting bracket
	P2	40K 4000K	80CRI	R3 Type 3	347 ¹	
	P3	50K 5000K		R4 Type 4	480 ¹	Shipped separately ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ²
	P4			RFT Forward Throw		

Options		Finish	
E15WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, 5°C min)	Standalone Sensors/Controls	DDBXD Dark bronze
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	DBLXD Black
PE	Photocell, Button Type ³	PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching	DNAXD Natural aluminum
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ⁴	PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	DWHXD White
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.	PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.	DSSXD Sandstone
SPD10KV	10kV Surge pack ⁵	Networked Sensors/Controls	DBBTXD Textured dark bronze
BAA	Buy America(n) Act Compliant	NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.	DBLBXD Textured black
		NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.	DNATXD Textured natural aluminum
		See page 4 for out of box functionality	DWHGXD Textured white
			DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD WEDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE3PBBW DDBXD U WEDGE3 surface-mounted back box (specify finish)

NOTES

- 1 347V and 480V not available with E15WH and E20WC.
- 2 Not qualified for DLC. Not available with emergency battery backup or sensors/controls
- 3 PE not available in 480V and with sensors/controls.
- 4 DMG option not available with sensors/controls.
- 5 Not available with E20WC option.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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WEDGE3 LED
Rev. 05/11/23

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.

Performance Package	System Watts	Dist. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	52W	R2	7,037	136	1	0	1	7,649	148	2	0	1	7,649	148	2	0	1
		R3	6,922	134	1	0	2	7,524	145	1	0	2	7,524	145	1	0	2
		R4	7,133	138	1	0	2	7,753	150	1	0	2	7,753	150	1	0	2
		RFT	6,985	135	1	0	2	7,592	147	1	0	2	7,592	147	1	0	2
P2	59W	R2	7,968	135	2	0	1	8,661	147	2	0	1	8,661	147	2	0	1
		R3	7,838	133	1	0	2	8,519	144	1	0	2	8,519	144	1	0	2
		R4	8,077	137	1	0	2	8,779	149	1	0	2	8,779	149	1	0	2
		RFT	7,909	134	1	0	2	8,597	146	2	0	2	8,597	146	2	0	2
P3	71W	R2	9,404	132	2	0	1	10,221	143	2	0	1	10,221	143	2	0	1
		R3	9,250	130	2	0	2	10,054	141	2	0	2	10,054	141	2	0	2
		R4	9,532	134	2	0	2	10,361	145	2	0	2	10,361	145	2	0	2
		RFT	9,334	131	2	0	2	10,146	142	2	0	2	10,146	142	2	0	2
P4	88W	R2	11,380	129	2	0	1	12,369	140	2	0	1	12,369	140	2	0	1
		R3	11,194	127	2	0	2	12,167	138	2	0	2	12,167	138	2	0	2
		R4	11,535	131	2	0	2	12,538	142	2	0	2	12,538	142	2	0	2
		RFT	11,295	128	2	0	2	12,277	139	2	0	2	12,277	139	2	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	52W	0.437	0.246	0.213	0.186	0.150	0.110
P2	59W	0.498	0.287	0.251	0.220	0.175	0.126
P3	71W	0.598	0.344	0.300	0.262	0.210	0.152
P4	88W	0.727	0.424	0.373	0.333	0.260	0.190

Lumen Output in Emergency Mode (4000K, 70 CRI)

Option	Dist. Type	Lumens
E15WH	R2	3,185
	R3	3,133
	R4	3,229
	RFT	3,162
E20WC	R2	3,669
	R3	3,609
	R4	3,719
	RFT	3,642

Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.891
40K	0.906
50K	0.906

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	1.05
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
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.

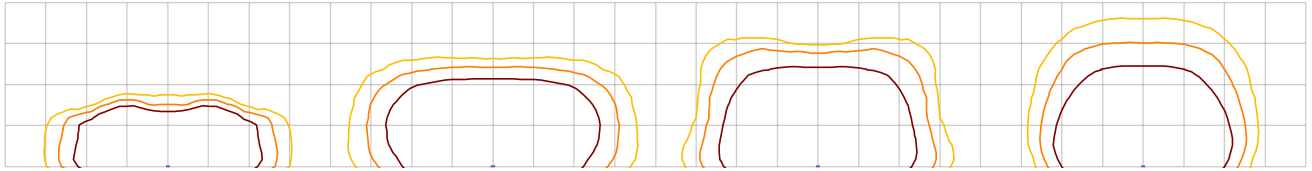
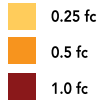
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.98	>0.97	>0.92



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND



MH = 15ft
Grid = 15ft x 15ft

WDGE3 LED P3 40K 70CRI R2

WDGE3 LED P3 40K 70CRI R3

WDGE3 LED P3 40K 70CRI R4

WDGE3 LED P3 40K 70CRI RFT

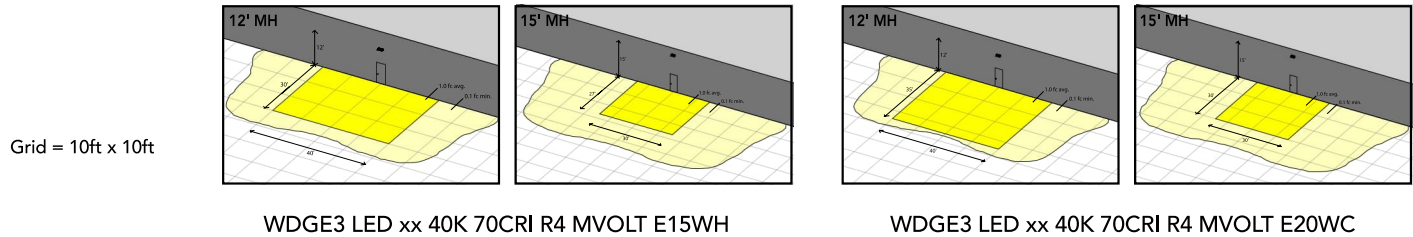
Emergency Egress Options

Emergency Battery Backup

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 battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain, minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.



Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

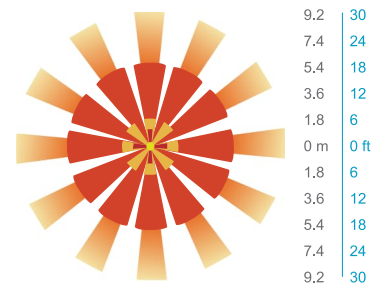
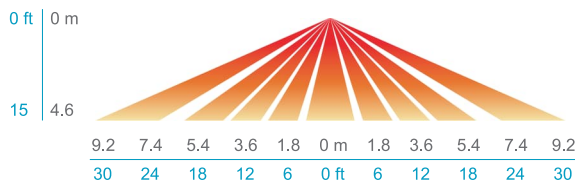
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

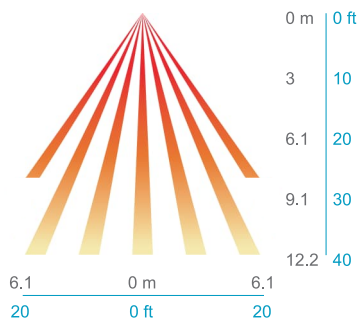
PIR

HIGH VIEW

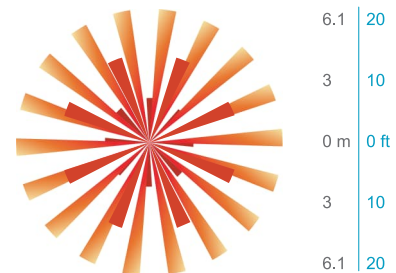


PIRH

SIDE VIEW



TOP VIEW



Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



NLTAIR2 PIR – nLight AIR Motion/Ambient Sensor

D = 8"

H = 11"

W = 18"



PBBW – Surface-Mounted Back Box Use when there is no junction box available.

D = 1.75"

H = 9"

W = 18"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WEDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing to optimize thermal transfer from the light engine 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 painted 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 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

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K configurations. The WEDGE 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 consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. 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/OPL 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 and SRM mounting only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.

WAC LIGHTING

Revels

Outdoor Wall Sconce

Fixture Type: _____
 Catalog Number: _____
 Project: _____
 Location: _____

Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
○ WS-W13372 72"	○ 3000K ○ 3500K ○ 4000K	○ BK Black	28W 28W 28W	850 850 850	547 547 547

Example: **WS-W13372-40-BK**

For custom requests please contact customs@wacighting.com

DESCRIPTION

Balanced with geometric precision. A slim bar of light glowing between the lines of a minimal profile.

FEATURES

- Illumination on both sides with acrylic diffuser
- Built in color temperature adjustability. Switch from 3000K/3500K/4000K
- 3CCT switch installs in the junction box
- Option to pre-select color temperature or adjust in the field
- ACLED driverless technology
- 5 year warranty

SPECIFICATIONS

Color Temp:	4000K,3500K,3000K
Input:	120 VAC,50/60Hz
CRI:	90
Dimming:	ELV: 100-10%
Rated Life:	54000 Hours
Mounting:	Can be mounted on wall in all orientations
Standards:	ETL, cETL,IP65 Wet Location Listed
Construction:	Extruded aluminum body with PC diffuser

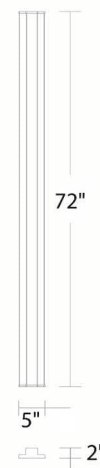


FINISHES:



Black

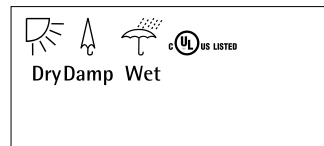
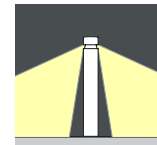
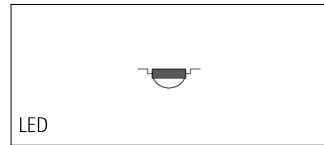
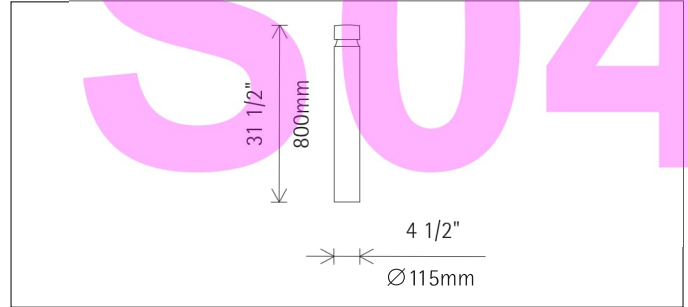
LINE DRAWING:



WS-W13372

Floor washlight

S04

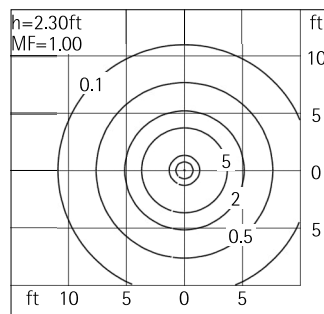


35747.023 Graphit m
 LED module: 16W 2200lm 4000K
 neutral white
 0-10V dimmable
 Version 2
 Radial beam (360°)

Product description

For mounting on accessories.
 Bollard: corrosion-resistant aluminum profile, No-Rinse surface treatment. Double powder-coated. Optimized surface for reduced accumulation of dirt.
 Upper cover and base plate: corrosion-resistant cast aluminum, No-Rinse surface treatment. Double powder-coated. Base plate for mounting on ground socket, concrete anchor or mounting plate.
 Control gear 120V/277V, 60Hz, dimmable. 2 cable entries.
 Through-wiring possible. 5 terminals.
 LED module: high-power LEDs on metal-core PCB.
 360° light guidance ring made of optical polymer.

Anti-glare cone: corrosion-resistant cast aluminum, No-Rinse surface treatment. double powder-coated and black lacquered.
 Glare-free above the light aperture.
 Mounting accessories to be ordered separately.
 Suitable for wet location (IP65): dust-proof and water jet-proof.
 Dimming with external dimmers possible (0-10V).
 Maximum wind load area 1.08ft² / 0.1m²
 Weight 12.70lbs / 5.76kg
 Version with 3000K CRI 97 or 2700K, 3500K, 4000K CRI 92 available on request.



Technical data

Luminous flux of the luminaire	554lm
Connected load	19.0W
Luminaire efficacy	29lm/W
Color deviation	1.5 SDCM
Color rendition index	CRI 82
Lumen maintenance (LED manufacturer specifications)	L90/B10 ≤50000h L90 ≤100000h
LED failure rate	0.1% ≤50000h
LMF	E

For your regional contact in the ERCO
 Sales network click here
www.erco.com/contact

Technical region: 120V/60Hz,
 277V/60Hz
 We reserve the right to make technical
 and design changes.
 Edition: 28.04.2023
 Current version under
www.erco.com/35747.023

Planning data

Cleaning (a) Ambient conditions	1				2				3			
	P	C	N	D	P	C	N	D	P	C	N	D
LMF	0.96	0.94	0.90	0.86	0.93	0.91	0.86	0.81	0.92	0.90	0.84	0.79
RSMF	0.97	0.95	0.91	0.86	0.97	0.94	0.90	0.86	0.97	0.94	0.90	0.86

Hours of operation (h)	1000	5000	10000	20000	30000	40000	50000
	LLMF	1.00	0.99	0.98	0.96	0.94	0.92
LSF	1	1	1	1	1	1	1

MF	LMFxRSMFxLLMFxLSF
MF	Maintenance Factor
LMF	Luminaire Maintenance Factor
RSMF	Room Surface Maintenance Factor
LLMF	Lamp Lumens Maintenance Factor
LSF	Lamp Survival Factor
P	Room pure
C	Room clean
N	Room normal
D	Room dirty

Technical data based on international standards and directives

IEC 60598	Luminaires – Parts 1 + 2: General requirements, particular requirements and tests
IEC 62031	LED modules for general lighting – Safety specifications
IEC 62471	Photobiological safety of lamps and lamp systems
UL 1598	Luminaires
UL 1574	Standard for Track Lighting Systems
UL 8750	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products
IES LM-79-08	Electrical and Photometric Measurements of Solid-State Lighting Products
IES LM-80-08	Measuring Lumen Maintenance of LED Light Sources
CIE 13	Method of measuring and specifying color rendering properties of light sources

All technical data are subject to industry standard tolerances.

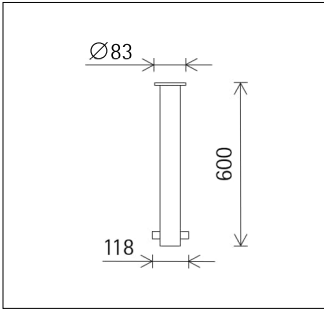
See also www.erco.com/erco-led

For explanations of the symbols and abbreviations used and other general information, see www.erco.com/symbols

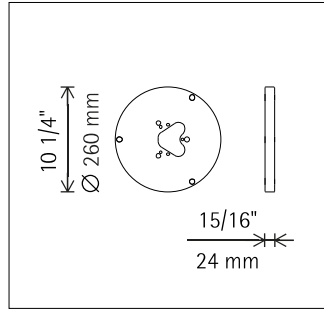
Accessories



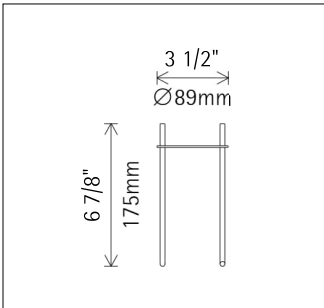
33975.000
Ground socket
Metal, hot-dip galvanised.
Weight 4.63lbs / 2.10kg



33982.000
Mounting plate
Corrosion-resistant cast aluminum, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 3.75lbs / 1.70kg
☀️ ⚡ ☔
Dry Damp Wet



33979.000
Concrete anchor
Mounting plate with threaded bar and fixing nuts M6. Individual parts to be assembled on-site.
Weight 0.55lbs / 0.25kg



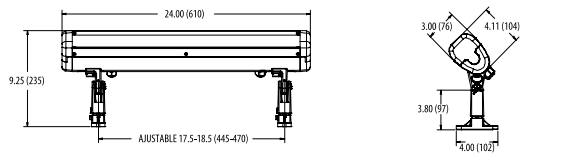
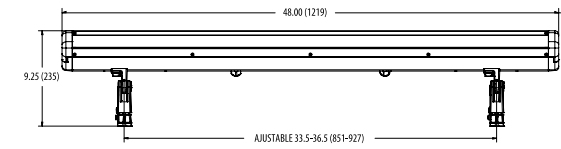
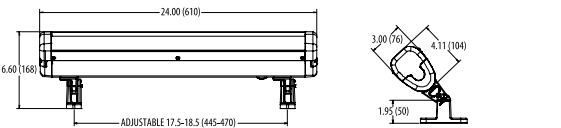
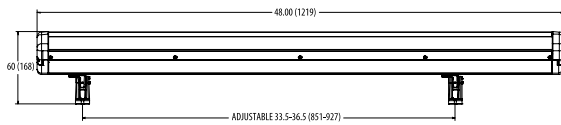
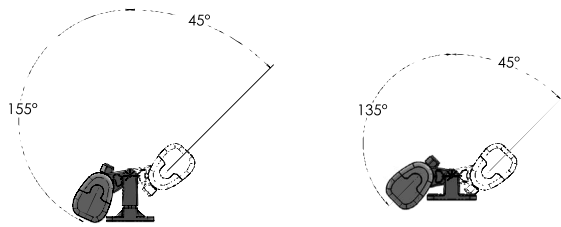


4750L STATIC WHITE

Linear

Specifications

Weight:	4' 17.5lbs
	2' 12.5lbs

DIMENSIONS

KM MOUNTING

KMS MOUNTING

KM90

KMS90
AIMING DETAILS

HIGHLIGHTS

- The 4750L delivers industry leading durability, performance and lumen output
- Superior water resistance IP67 with Hydrel "Flow-Thru" technology, water flows around the independently sealed integral driver module and sealed LED module
- Aiming integrity with a fully adjustable and rugged knuckle design using Taper-Lock technology
- Long life in the most demanding environments with low copper content housing materials, stainless steel fasteners, and durable powder coat finish options for Coastal Regions and Natatoriums
- 3G vibration rated per ANCI C136.31
- Integral J- Box option available

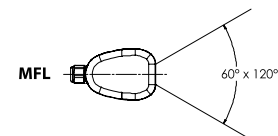
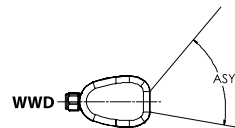
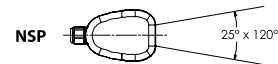
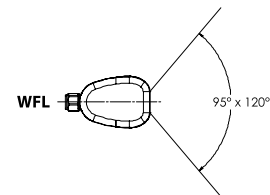
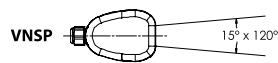


IP67


LUMEN PACKAGES

	VNSP	NSP	MFL	WFL	WWD
Delivered Lumens	6491	6646	7200	7286	6592
Watts	64	64	64	64	64
LPW	102	104	113	114	103
Peak Candela	7650	5961	4242	2683	3998

Note: Information based on 4000K @ 2000LMF on 4FT fixture

STANDARD DISTRIBUTION


ORDERING INFORMATION
EXAMPLE: 4750L 4FT 500LMF 30K MVOLT VNSP KM EA6 ZT CSL10 BL

Model*	Max Fixture Length*	LED Output	LED Color Temperature*	Voltage*	Distribution*	Mounting*
4750L LED Linear Flood	2FT 2' (nominal length)	500LMF 500 nominal lumens per foot	27K 2700K	MVOLT 120-277 volt 347 347 volt 4ft only	VNSP 15 x 120 degrees	KM Knuckle Mount 45°
	4FT 4' (nominal length)	1000LMF 1000 nominal lumens per foot	30K 3000K			
	<i>Note: 2FT exclude AMBLW</i>	2000LMF 2000 nominal lumens per foot	35K 3500K			
	<i>Note: 2FT exclude INJB</i>	800LMF 800 nominal lumens per foot	40K 4000K			
		<i>Note: 800LMF for AMBLW only</i>	50K 5000K		MFL 60 x 120 degrees	KMS Knuckle Mount Short 45°
			AMBLW Amber wavelength 590nm		WFL 95 x 120 degrees	KM90 Knuckle Mount 90°
			<i>Note: INJB not available with AMBLW</i>		WWD Wall Wash (Asymmetric)	KMS90 Knuckle Mount short 90°
						<i>Note: KMS and KMS90 not available with mounting accessories.</i>

Mounting Accessories	Accessories	Option	Cord Length*	Control Input*	Environmental Options	Finish*
JB4750L Aluminum junction box	EA6 extended arm 6"	INJB Integral J-Box	CSL__ 10'-50' of cable available in 5' increments	ZT 0 - 10V	MRE Marine Environment	BL Black Textured
MS12 12" Steel mounting spike	EA12 extended arm 12"	<i>Note: INJB available with 4FT max fixture length, MVOLT and KM mounting only.</i>	<i>Note: Cord length is not required with INJB</i>	ELV Reverse Phase	NT Natatorium Construction	BZ Bronze Textured
MS18 18" Steel mounting spike	EA18 extended arm 18"	<i>Note: INJB used for direct conduit entry, eliminating cable exposure in ground mounted and building mounted applications.</i>		DALI DALI	CR Corrosion Resistant	DBLB Designer Black Textured
PSSA Pedestal Stanchion Splice Access	FVSR Full Visor			DMX DMX		DBBT Designer Bronze Textured
SMSA__ Stanchion mount splice access. Available 12"-48" in 6" increments	HVSR Half Visor			<i>Note: If 347 exclude ELV and DALI</i>		DNAT Designer Natural Aluminum Textured
<i>Note: Mounting Spike (MS) is used for fixture mounting only. Separate junction box is required for power. Hydrel offers JBA/JBB junction box</i>	<i>Note: Full visor includes top and bottom shield.</i>			<i>Note: 2ft exclude DALI and DMX</i>		GN Green Textured
	<i>Half Visor is top only for all distributions except wall wash which is bottom only.</i>			<i>Note: INJB only available with ZT and ELV</i>		GR Grey Textured
						SND Sand Textured
						STG Steel Gray Textured
						TVG Terra Verde Green Textured
						WH White Textured
						DBL Designer Black Smooth
						DDB Designer Bronze Smooth
						DNA Natural Aluminum Smooth
						DWH Designer White Smooth
						CF Custom Finish
						RALTB Ral Paint Finishes
						<i>Note: RALTB for pricing only, replace with applicable RAL call out when ready to order. See RALBROCHURE for available options. It is recommended only use textured paint for Hydrel fixtures</i>

Note: * is a required field

DIMMING CHART

Voltage	Control Input	Min Dimming Level
MVOLT	ZT 0-10V	Dark
MVOLT	ELV Reverse Phase	Dark
MVOLT	DALI	Dark
MVOLT	DMX	Dark
347	ZT	Min1

 * Dark - Constant Current Dimming to <1%
 * Min1 - Constant Current Dimming to 1%

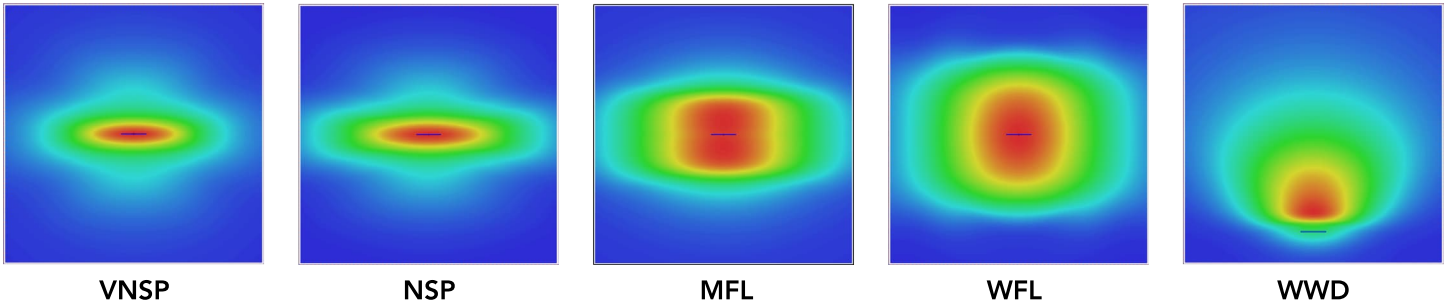
ELECTRICAL LOAD

Light Engines	Drive Current (mA)	System Watts	Current (A)				
			120	208	240	277	347
500LMF	500	21.1	0.18	0.10	0.09	0.08	NA
1000LMF	1040	42.1	0.35	0.20	0.18	0.15	0.12
2000LMF	1400	65.9	0.55	0.32	0.27	0.24	0.19

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.94	0.85	0.70

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

PERFORMANCE DATA



LUMEN OUTPUT 4' FIXTURE

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. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

LED Output	System Watts	Distribution Type	Field Angle		Beam Angle		30K (3000 CCT, 80CRI)			40K (4000 CCT, 80CRI)			50K (5000 CCT, 80CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
500LMF	21W	VNSP	149.4	50.4	107.0	14.7	2510	2129	102	2770	2350	112	2943	2497	119
		NSP	153.2	78.7	113.6	22.7	1956	2181	104	2158	2406	115	2293	2556	122
		MFL	157.0	83.8	121.5	56.6	1392	2362	113	1536	2607	124	1632	2770	132
		WFL	161.3	109.7	127.4	92.3	880	2390	114	971	2638	126	1032	2803	134
		WWD	155.9	75.3	112.8	49.8	1312	2163	103	1447	2387	114	1538	2536	121
1000LMF	42W	VNSP	149.4	50.4	107.0	14.7	4823	4092	99	5322	4516	109	5655	4798	116
		NSP	153.2	78.7	113.6	22.7	3758	4190	102	4147	4624	112	4406	4913	119
		MFL	157.0	83.8	121.5	56.6	2675	4540	110	2952	5009	121	3136	5322	129
		WFL	161.3	109.7	127.4	92.3	1692	4594	111	1867	5069	123	1983	5386	131
		WWD	155.9	75.3	112.8	49.8	2521	4156	101	2782	4586	111	2955	4873	118
2000LMF	63W	VNSP	149.4	50.4	107.0	14.7	6933	5882	92	7650	6491	102	8128	6896	108
		NSP	153.2	78.7	113.6	22.7	5402	6023	94	5961	6646	104	6333	7062	111
		MFL	157.0	83.8	121.5	56.6	3845	6525	102	4242	7200	113	4508	7650	120
		WFL	161.3	109.7	127.4	92.3	2432	6603	103	2683	7286	114	2851	7741	121
		WWD	155.9	75.3	112.8	49.8	3623	5974	94	3998	6592	103	4248	7004	110

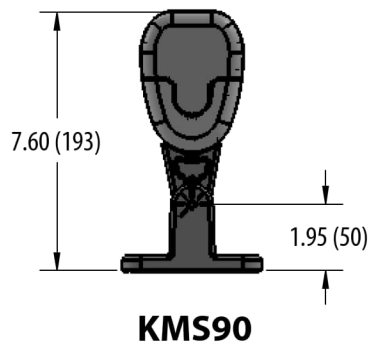
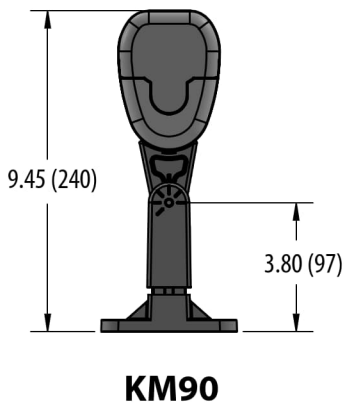
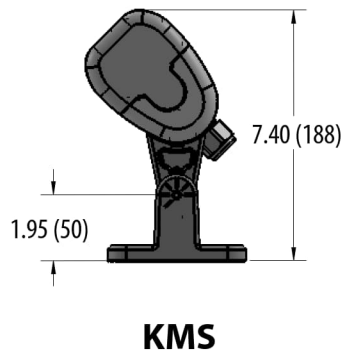
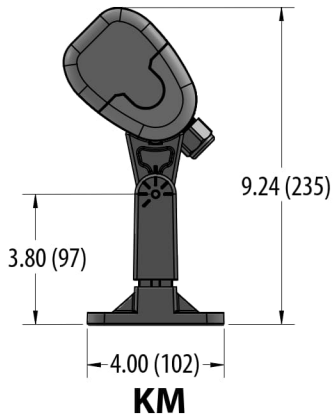
LUMEN OUTPUT 2' FIXTURE

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. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

LED Output	System Watts	Distribution Type	Field Angle		Beam Angle		30K (3000 CCT, 80CRI)			40K (4000 CCT, 80CRI)			50K (5000 CCT, 80CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
500LMF	11W	VNSP	149.2	52.4	107.7	14.6	1116	988	99	1231	1091	109	1308	1159	116
		NSP	150.0	69.7	112.3	19.9	973	999	100	1074	1103	110	1141	1172	117
		MFL	155.3	83.7	118.1	56.0	650	1078	108	717	1190	119	762	1264	127
		WFL	161.0	109.1	124.6	91.5	430	1117	112	474	1232	123	504	1309	131
		WWD	155.4	73.1	111.0	48.9	581	970	97	641	1070	107	681	1137	114
1000LMF	21W	VNSP	149.2	52.4	107.7	14.6	2269	2010	94	2504	2218	103	2661	2357	110
		NSP	150.0	69.7	112.3	19.9	1978	2032	95	2183	2242	105	2320	2383	111
		MFL	155.3	83.7	118.1	56.0	1322	2193	102	1459	2420	113	1550	2571	120
		WFL	161.0	109.1	124.6	91.5	874	2271	106	964	2505	117	1025	2662	124
		WWD	155.4	73.1	111.0	48.9	1182	1972	92	1304	2176	101	1386	2312	108
2000LMF	32W	VNSP	149.2	52.4	107.7	14.6	3305	2928	90	3647	3231	99	3875	3432	106
		NSP	150.0	69.7	112.3	19.9	2882	2960	91	3180	3266	101	3379	3470	107
		MFL	155.3	83.7	118.1	56.0	1925	3194	98	2125	3524	109	2257	3745	115
		WFL	161.0	109.1	124.6	91.5	1273	3307	102	1464	3649	112	1492	3877	119
		WWD	155.4	73.1	111.0	48.9	1722	2871	88	1900	3169	98	2018	3367	104

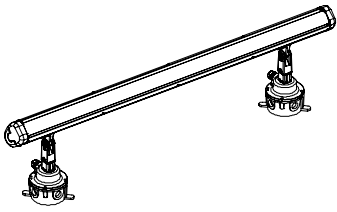
MOUNTING OPTIONS

KNUCKLE MOUNTING

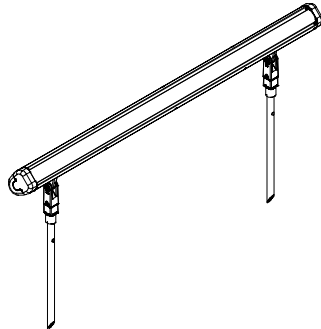


MOUNTING ACCESSORIES

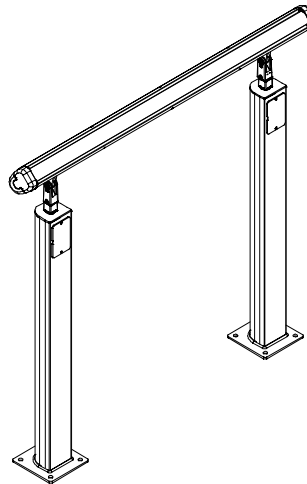
MOUNTING ACCESSORIES - is supplied with 1/2" NPS adaptor. Suitable for ground mounting.



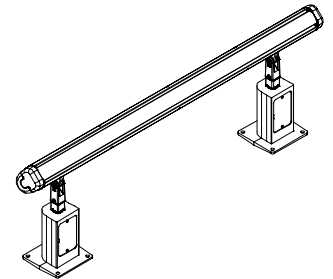
JB4750L Junction Box



MS12 Mounting splice available in 12" and 18"

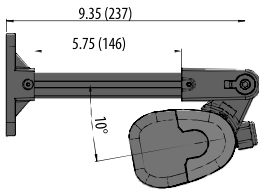


SMSA12 Mounting available in 12"-48" in 6" increments

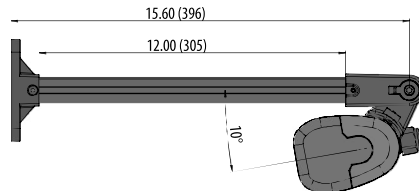


PSSA Mounting

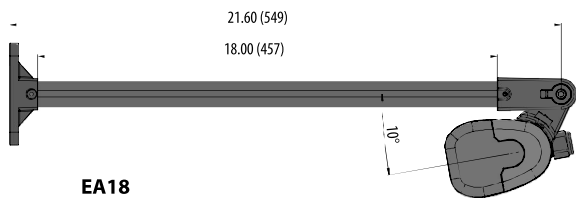
EXTENDED ARM Suitable for wall or surface mount



EA6



EA12

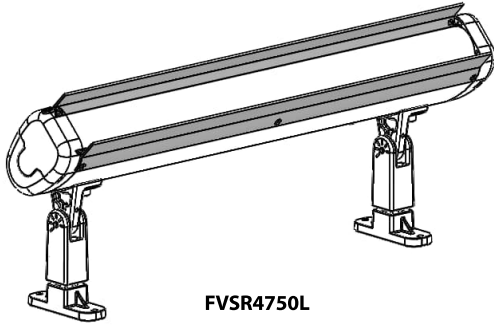


EA18

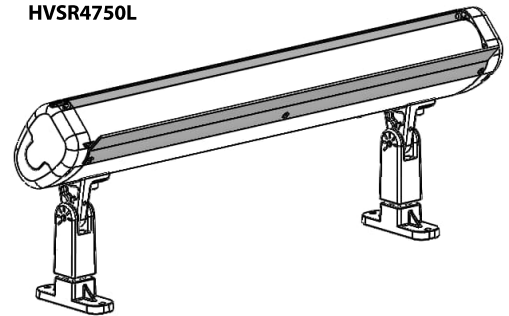
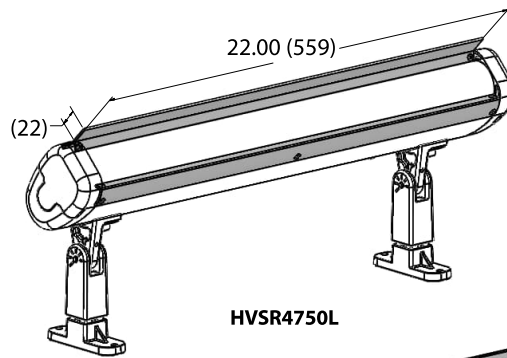
EXTERNAL ACCESSORIES

VISORS

FULL VISOR is supplied with top and bottom visor.

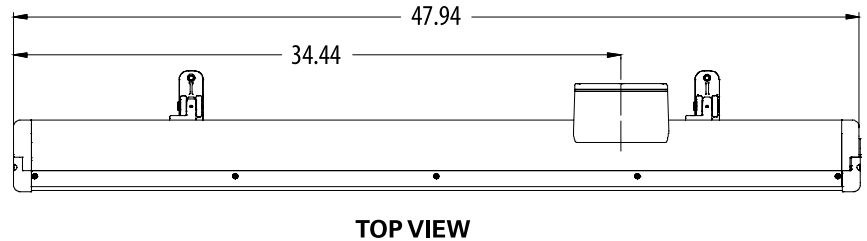
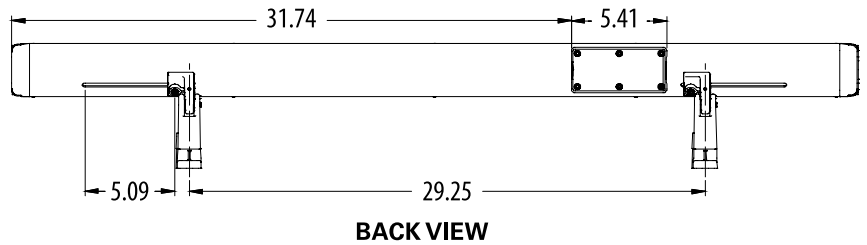
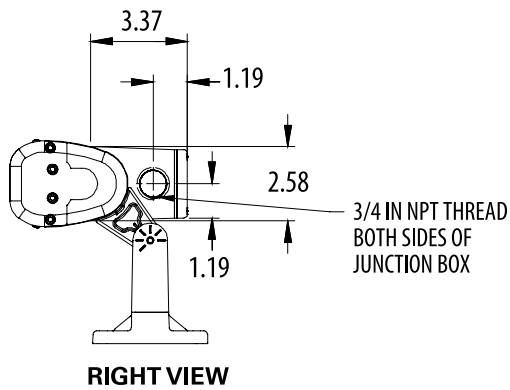


HALF VISOR are factory installed on top side except for wall wash distribution which is installed on the bottom. Visors: Can be field installed and moved from top to bottom if desired.



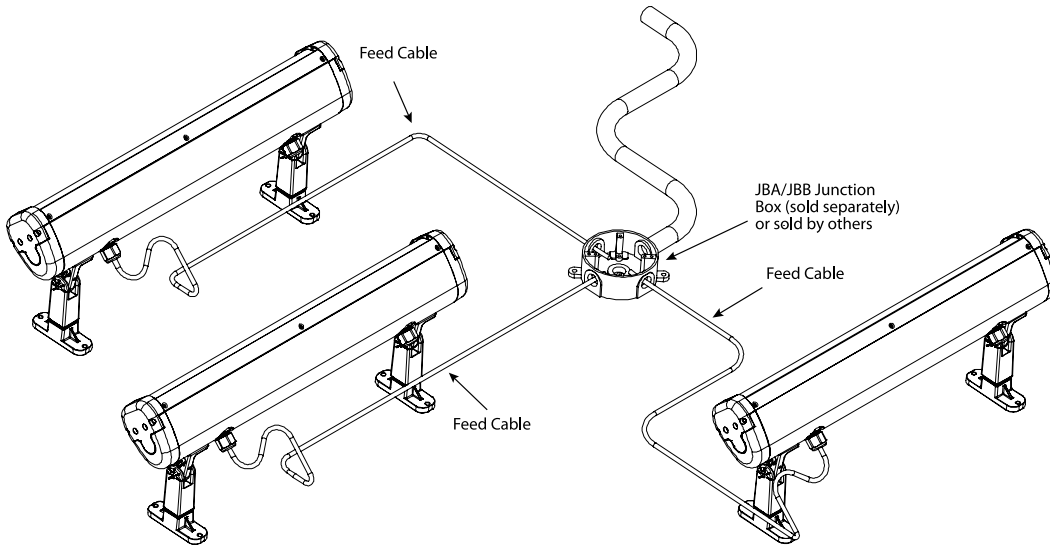
4750L WITH INTEGRAL J-BOX

INJB used for direct conduit entry, eliminating cable exposure in ground mounted and building mounted applications.

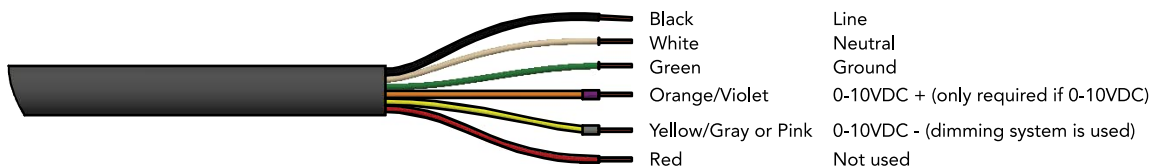


WIRING AND LAYOUT DESIGN

INDIVIDUAL RUN LAYOUT



Feed Cable Wiring Detail - Static Fixture



SPECIFICATIONS AND FEATURES

MATERIAL: Copper free die cast aluminum and corrosion resistant extruded aluminum. All stainless steel fasteners.

LIGHT SOURCE: CCT 27K, 30K, 35K, 40K, 50K, 80CRI, AMBLW limited wavelength 590nm. All within 3 MacAdam ellipses.

VOLTAGE: MVOLT 120-277 or 347 (4ft only.)

DISTRIBUTION: VN5P (10x), NSP (20x), MFL (55x), WFL (100x), WWDD (wall wash Asymmetric)

LENS: High clarity acrylic, superior UV resistant.

MOUNTING: KM (kuckle mount 45°), KMS (Knuckle Mount Short 45°), KM90 (Knuckle mount 90°), KMS90 (Knuckle mount short 90°).

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 climates without cracking or peeling.

CORD DETAILS: MVOLT - 18-6 SJTOW 10ft. length. 347 - 16-5 STW 10ft. length.

LISTING: cCSAus, MRE (marine Environment) is listed to UL1598a. IP67 rated.

ENVIRONMENT: Suitable for outdoor wet location applications. Suitable for indoor, non-IC rated applications, maximum 40° C and minimum -20° C ambient operating temperatures.

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

WARRANTY: 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Consult factory for details.

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.