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Planning Commission Staff Report

Project Type: Site Development Section Plan

Meeting Date: October 22, 2018

From: Andrew Stanislav, Planner

Location: 18301 Edison Avenue

Description:Spirit of St. Louis Airpark, Lot 19 (AVMATS Hangar): A Site Development Section
Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's
Statement of Design for a 4.93 acre leasehold area within a 9.45 acre tract of land
zoned "M-3" Planned Industrial District located north of Edison Avenue just east
of its intersection with N Bell Avenue and approximately 700 feet west of its
intersection with Spirit of St. Louis Boulevard.

PROPOSAL SUMMARY

Stock and Associates Consulting Engineers, Inc., on behalf of AVMATS Jet Support, has submitted a request for a 45,000 square foot office/warehouse and hangar facility located on the north side of Edison Avenue just east of its intersection with N Bell Avenue. The majority of the proposed facility will contain hangar space (35,133 square feet) with the remainder of the building serving as warehouse and office spaces. The subject site is zoned "M-3" Planned Industrial District and is governed under the terms and conditions of City of Chesterfield Ordinance Number 1430. The exterior building materials will primarily consist of metal wall panels painted both fox gray and medium gray. Ground mounted mechanical equipment screening and a trash enclosure will be six-feet in height and match the color of the building's metal panel façade.



Figure 1: Site Aerial

HISTORY OF SUBJECT SITE

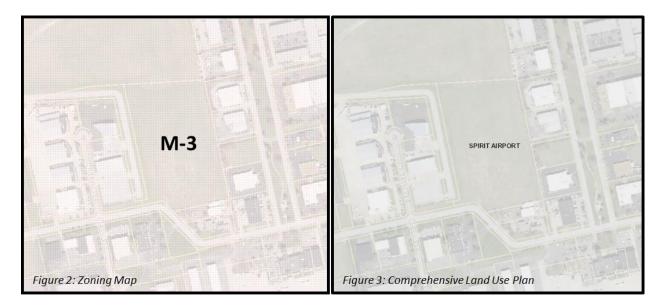
St. Louis County approved a rezoning from an "NU" Non-Urban District to an "M-3" Planned Industrial District for Spirit of St. Louis Airport via Ordinance 2,212 prior to the incorporation of the City of Chesterfield. The ordinance was subsequently amended by St. Louis County Ordinances 9,642, 11,768, 13,838, and 13,935, as well as by City of Chesterfield Ordinances 656, 870, 1156, 1312, and 1378. The ordinance amendments were to allow for additional uses, amend setbacks, and amend the boundaries of the "M3" Planned Industrial District. The current ordinance governing the site is City of Chesterfield Ordinance 1430.

The subject site has never been developed.

LAND USE AND ZONING OF SURROUNDING PROPERTIES

The land use and zoning for the properties surrounding this parcel are described below:

Direction	Zoning	Land Use
North	"M-3" Planned Industrial District	Airport/Runway/Openspace
South	"M-3" Planned Industrial District	Airport/Office & Hangar
East	"M-3" Planned Industrial District	Airport/Office & Retail services
West	"M-3" Planned Industrial District	Airport/Office & Hangar



COMPREHENSIVE PLAN ANALYSIS

The subject site is located within Ward 4 of the City of Chesterfield and is within the Spirit Airport land use designation per the City's Land Use Plan as seen in Figure 3 above. The Comprehensive Plan identifies the Spirit Airport designation as incorporating institutional, light industrial, office, and other airport related uses.

The Comprehensive Plan includes Industrial Development Policies as well as specific policies which are applicable to developments within the Chesterfield Valley sub-area.

Industrial Development Policy

• **6.1 Low-intensity Industrial**— Low intensity industrial development should be limited to Chesterfield Valley, including low-intensity industrial assembly, distribution, and research and development business parks, and corporate campuses.

The intent of this policy is to ensure low-intensity industrial related developments are limited to the Chesterfield Valley and located near other compatible uses in the surrounding area. The proposed hangar facility complies with this policy as it is compatible with the surrounding Spirit Airport uses referenced in the surrounding land use table above.

Chesterfield Valley Sub-Area and Chesterfield Valley Design Policies

• **3.5.1 Chesterfield Valley Region Retail and Low Intensity Industry**—Regional retail and low-intensity industrial developments should be located in Chesterfield Valley. These include low-intensity industrial developments encouraged to locate west of Long Road.

The location of the proposed hangar facility complies with this policy as it will be located in Spirit Airport with other compatible uses west of Long Road.

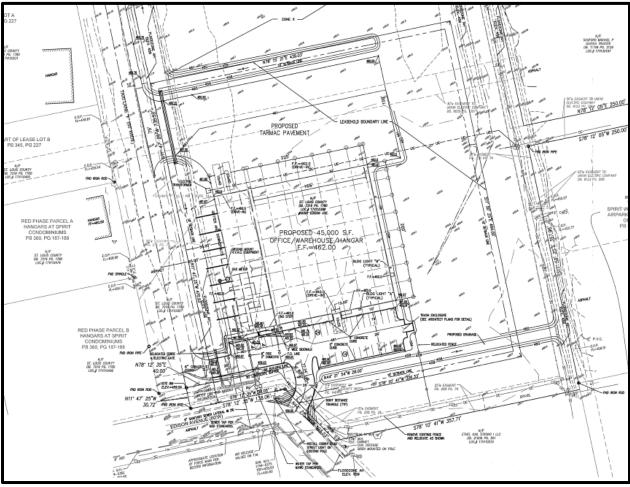


Figure 4: Portion of Site Development Section Plan

STAFF ANALYSIS

Zoning

The subject site is zoned "M-3" Planned Industrial District and is governed under the terms and conditions of City of Chesterfield Ordinance Number 1430. The submittal was reviewed against the requirements of City of Chesterfield Ordinance 1430 and all applicable requirements of the Unified Development Code and the proposed development adheres to the applicable requirements.

Circulation System & Access

The subject site will be served by a single access drive from Edison Avenue along the southern portion of the site, providing access to all 38 proposed parking spaces. A tarmac area is proposed at the rear of the building for access to the existing taxiway. Restricted vehicular access to the taxiway will also be available along the western portion of the parking area by entering through an electric gate within the relocated fence. The proposed trash enclosure caps the opposite end of the parking area to the east.

Access to the taxiway is governed by the Spirit of St. Louis Airport, and the applicant will be required to provide the necessary authorizations for the scope of work presented. Pedestrian access from off-site areas is not provided as part of this project and is very limited on-site due to the nature of the proposed use and proximity to the taxiway.

Topography and Parking

The site is generally flat with approximately one to two feet of grade change across the property. Swales will be located to the north, south, and west of the improved area for storm water management. All proposed parking is located on the southern portion of the site between the front of the building and Edison Avenue. Two ADA parking spaces are located near the building's main entrance.

Landscape Design and Screening

Several different areas of landscaping are proposed for the site, including parking lot landscaping, street trees along the frontage of the limits of the lease lot, and a 30-foot landscape buffer along Edison Avenue between the western portion of the parking area. Landscaping has also been incorporated along the west building elevation that occupies the proposed office space.

Screening systems for the ground-mounted mechanical units and the trash enclosure are proposed to match the building's gray exterior. The ground-mounted units adjacent to the building will be screened with a six-foot tall metal panel material on all three exposed sides to match the building, while the trash enclosure will consist of a six-foot screen of split face CMU and prefinished metal coping cap with composite swinging gates.

Lighting

Lighting is planned in association with the proposed development as required by the City of Chesterfield. The proposed lighting plan consists of utilitarian lighting for the parking area as well as general site illumination to navigate the site. Two utilitarian wall-mounted light fixtures are

proposed on each of the four façades. A cobra head streetlight will also be installed on an existing pole on the north side of Edison Avenue west of the proposed access drive.

Architectural Elevations

The exterior building materials will primarily consist of ribbed metal panels and a standing seam metal roof. The hangar portion of the building will be approximately 45 feet tall at its highest point and consist of fox gray painted metal panels, while the office/warehouse portion of the building will be approximately 18 feet tall at its highest point with a metal panel exterior painted a darker medium gray.

The proposed main entry will consist of a clear anodized aluminum storefront with blue tinted glazing to match the proposed windows on the south, east, and west elevations. All other pedestrian doors, utility doors, and metal louvers will be painted the darker medium gray color to contrast the fox gray color of the hangar's exterior.

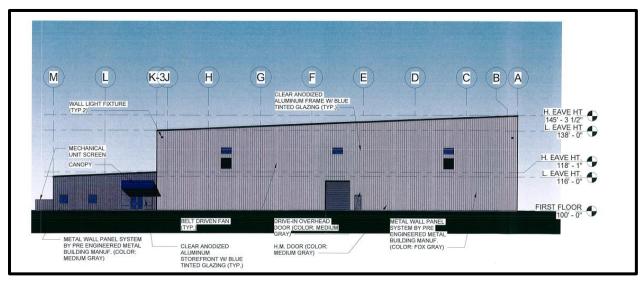


Figure 5: South Elevation

ARCHITECTURAL REVIEW BOARD INPUT

This project was reviewed by the Architectural Review Board on August 9, 2018. At that meeting, the Board recommended approval with three conditions.

• Differentiate the exterior material color of the office/warehouse and hangar portions of the building.

The applicant has since revised their architectural elevations to include medium gray on the exterior of the office/warehouse portion of the building to better contrast with the fox gray color on the remaining hangar portion of the building.

• Soften the white color of the proposed man doors and hangar door to be more compatible with the airport environment and the building's proposed exterior color.

The applicant has revised the originally proposed white color of the man doors and hangar door on the proposed architectural elevations to medium gray to soften the elevations and compliment the same darker gray color now proposed for the exterior of the office/warehouse portion of the building. It was recognized by the ARB that this revised color would be better suited in an airport environment where a white color exterior may discolor or not be as compatible with the nature of activity at the airport overtime.

• Provide additional landscaping along the west elevation to carry around plantings from the office area up to the mechanical units.

The applicant has included additional plantings on the Landscape Plan along the office portion of the western elevation of the building up to the mechanical units as requested by the ARB. The additional plantings are intended to soften the more pedestrian scale portion of the proposed development which may also be visible in some instances while traveling along Edison Avenue.

STAFF RECOMENDATION

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design and has found the proposal to be in compliance with the site specific ordinance, Comprehensive Plan, and City Code requirements. Staff recommends approval of the proposed development of the AVMATS Hangar.

MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) "I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for the AVMATS Hangar."
- 2) "I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for the AVMATS Hangar with the following conditions..." (Conditions may be added, eliminated, altered, or modified).
- Attachments: Site Development Section Plan Landscape Plan Lighting Plan Lighting Cut Sheets Architect's Statement of Design Architectural Elevations Rendering



July 27, 2018

Architectural Review Board City of Chesterfield Department of Planning 690 Chesterfield Parkway West Chesterfield, MO 63017-0760

Re: Architect's Statement AVSMATS Hangar

Dear members of the Architectural Review Board, The following is the Architect's Statement for the AVSMATS Hangar, located at 18301 Edison Ave.

RECEIVED

OCT 1 0 2018

City of Cheste

The Site:

Physical features and Access:

The 4.9 acre leasehold area will contain a one story, 45,000 square foot building planned for an office/warehouse and hangar. To the West of the proposed site are existing hangars and to the East are existing office/warehouse buildings which fronts Spirit of St. Louis Blvd. Site access for the proposed building will be located on Edison Avenue. The site has very little to no slope with no existing trees or shrubs. The adjacent properties to the west have very few trees or shrubs.

Site Relationship & Circulation:

The site which is accessed off of Edison Avenue which contains parking in the front and a tarmac at the rear of the building for access to the taxi runways. Landscaping will be located at the South elevation for a buffer zone from the street view. Mechanical equipment will be located on the west side elevation of the building but will be screened with a 6' high metal panels to match the proposed building materials. The trash dumpster will also be screened with a painted 6' high split face CMU and prefinished metal coping cap with composite or white vinyl swinging gates which is located on the east side of the front parking lot.

Topography & Retaining walls:

The natural topography is relatively level and will not require any retaining walls. Swales will be located to the north, west, and south for storm water management. We are following Spirit of St. Louis Airport regulations for bio retention requirements.

The Building:

Materials:

The materials on the building include one color for the ribbed metal panels, one color for all hollow metal doors, hangar doors, and overhead doors, one color standing seam metal roof, clear aluminum storefront windows with bluish tinted glazing. The gutter, downspouts and trim will match the metal panels of the building. The entry canopy will complement the bluish tinted windows and the logo for the company.

Scale & Design:

The one story building is appropriately scaled to the few buildings that are located near the proposed property and matches the architecture of the buildings that are located to the West and South of the site. In order to break down the scale of the building, the office/warehouse component has been brought down to a lower eave height. Windows were located on the South and East elevation of the hangar to provide natural lighting into the hangar as well as articulation to the building facade. The building is further broken down to a human scale with a simple lower entry canopy. The building's simple look is complimentary but not overwhelming to the existing AVSMATS Jet Support main headquarters which is located less than a quarter mile West of the proposed site.

Landscape design and screening:

The required number of trees and shrubs has been provided and, along the street frontage, have been located to provide shade at strategic points while also allowing "view corridors" into the site and an aesthetically pleasing buffer between the building and the street.

The plant palette, designed for low maintenance, has been selected from Chesterfield's list of approved trees. The chosen plants also provide pollinators and seasonal color & texture throughout the site as designed by the landscape architect.

Signage:

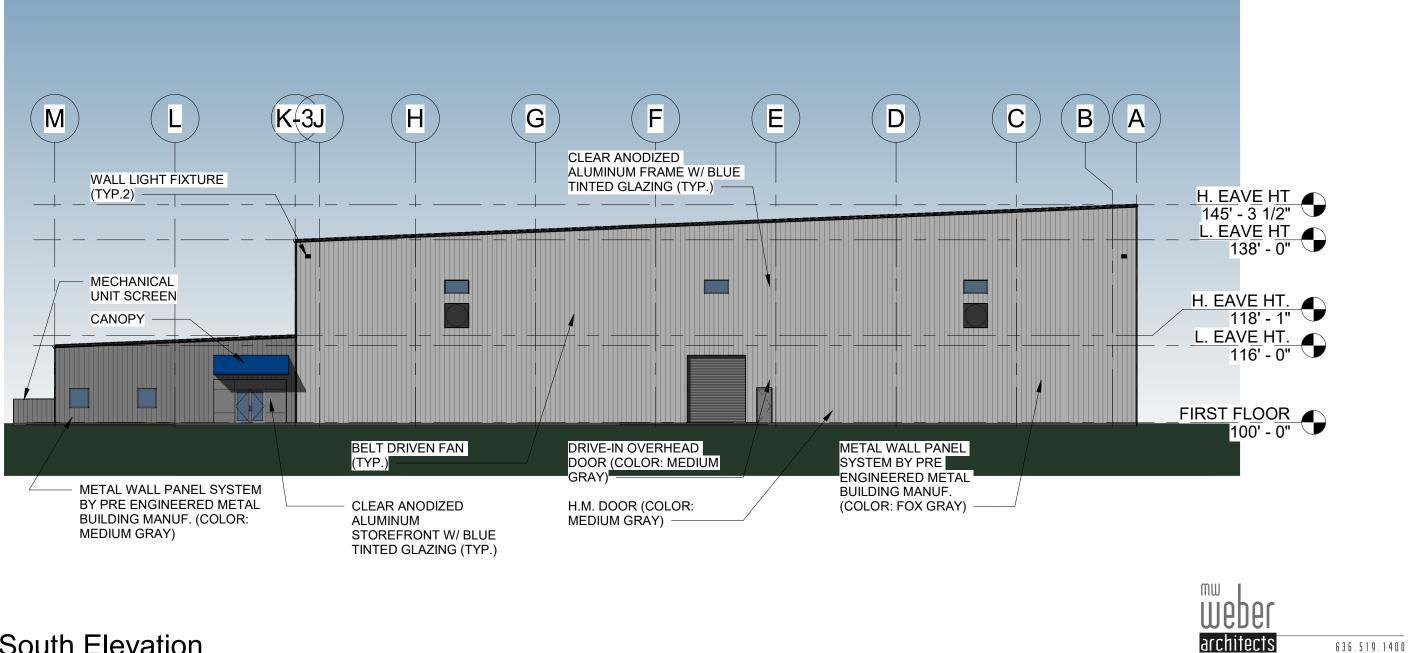
Signage shall be designated high on the North and South sides of the hangar. Address signage shall consist of individual numbers on the glass transom above the entry doors.

Lighting standards:

The building, tarmac, and parking areas will be illuminated by full cutoff, low profile, LED wall mounted fixtures and equipped with house side shields where located at property lines to minimize glare and light trespass. The fixtures will be mounted at 30' A.F.F. on the hangar and approximately 13' A.F.F. at the office/warehouse component. Foot candles are 0.0 minimum and 4.9 average. Maximum foot candles at the property lines are at 1.2 or below with most areas at 0.0. Average foot candles at all building entry are approximately 1.3.

Sincerely, mw Weber Architects

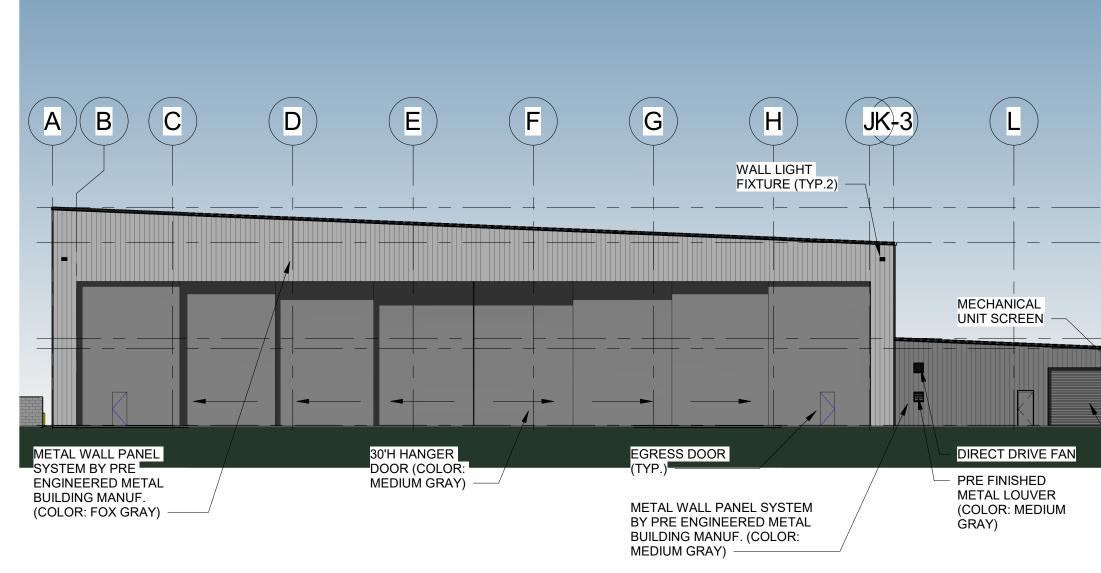
Tonny Jun Project Manager



South Elevation

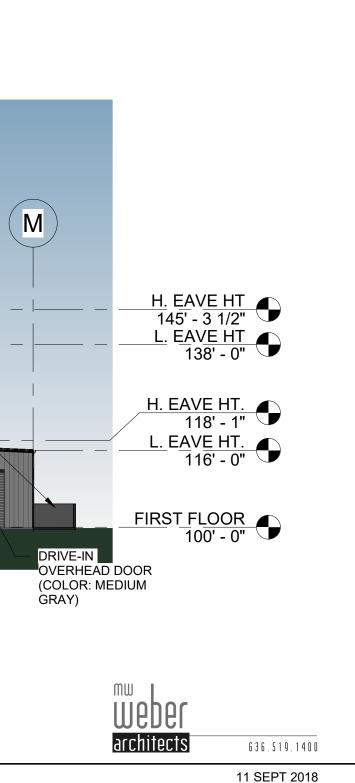
AVMATS Hanger

18301 Edison Ave. Chesterfield, MO 63005



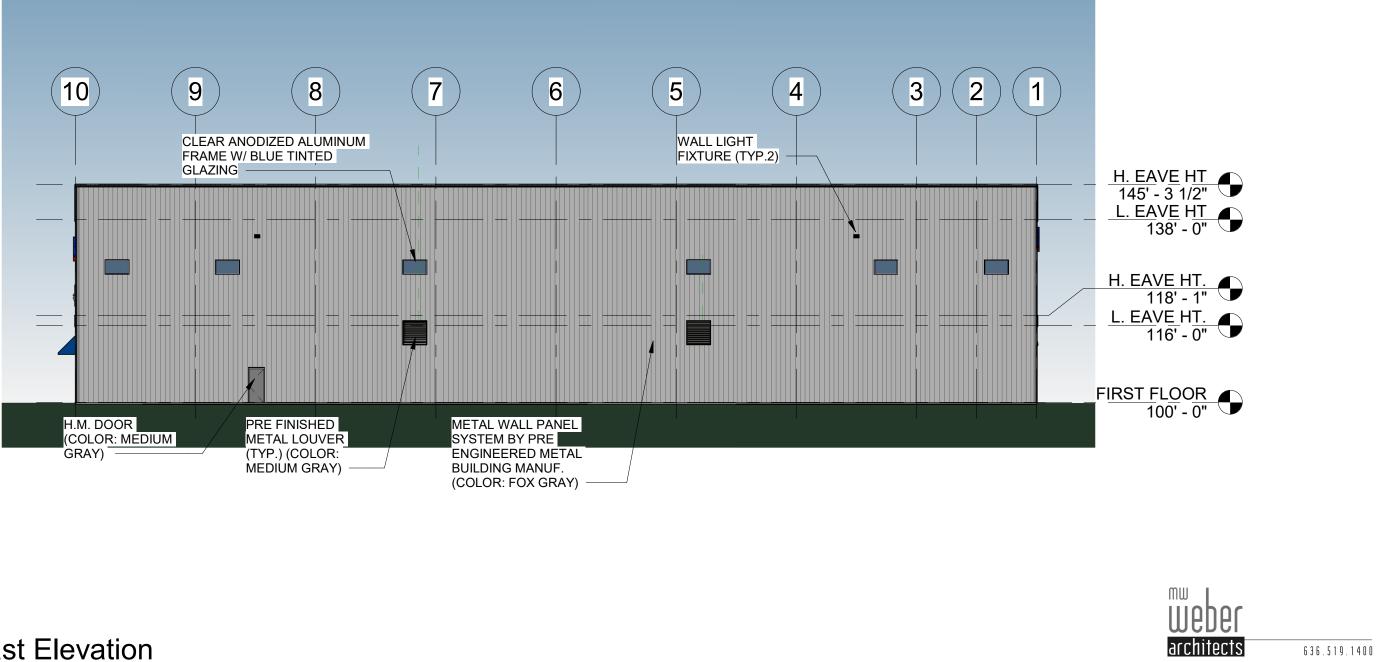
North Elevation

11 SEPT 2018 18.009



AVMATS Hanger

18301 Edison Ave. Chesterfield, MO 63005

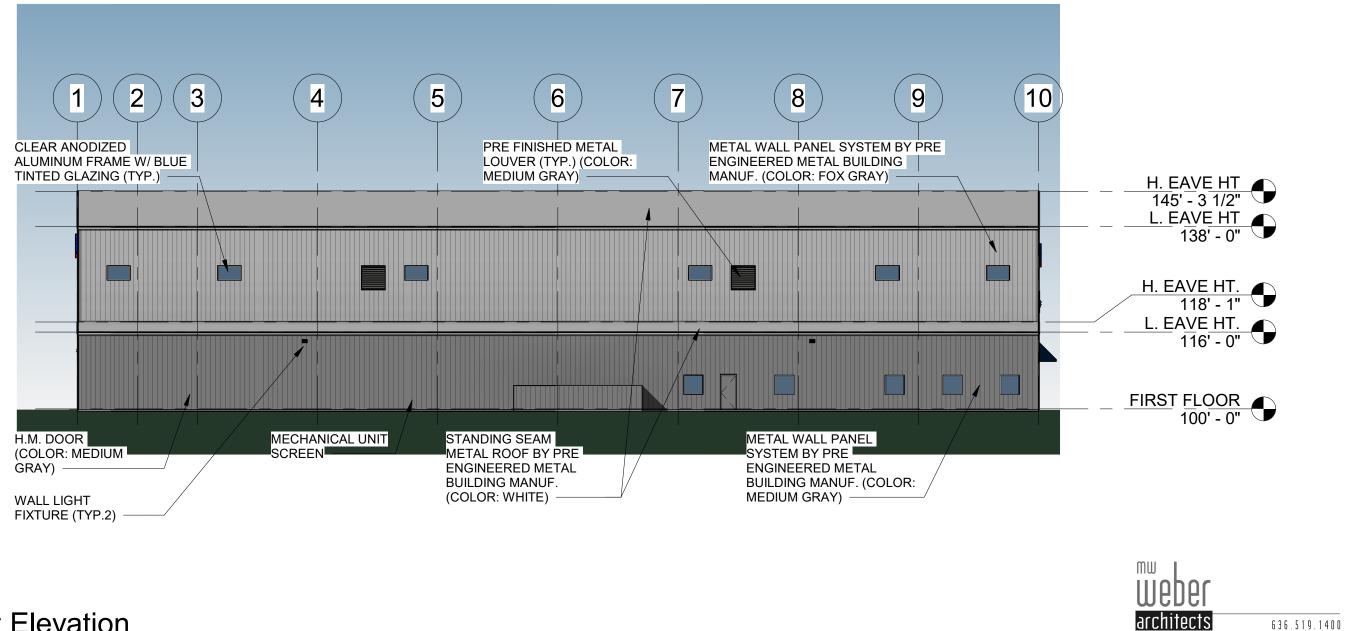




AVMATS Hanger

18301 Edison Ave. Chesterfield, MO 63005

11 SEPT 2018 18.009



West Elevation

AVMATS Hanger

18301 Edison Ave. Chesterfield, MO 63005

636.519.1400



Perspective

AVMATS Hanger

18301 Edison Ave. Chesterfield, MO 63005



636.519.1400

16 AUG 2018 18.009



D-Series Size 1 LED Area Luminaire



Specificat	tions		
EPA:	1.01 ft ² (0.09 m ²)	\square	W
Length:	33" (83.8 cm)	V	
Width:	13" (33.0 cm)		
Height:	7-1/2" (19.0 cm)		
Weight (max):	27 lbs (12.2 kg)		H

Catalog DSX1-LED-P4-40K-T4TM-MV

Notes		
Туре	В	

4+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL[®] controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM[®] or XPoint[™] Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+,

visit www.acuitybrands.com/aplus.

- 1. See ordering tree for details.
- 2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA DDBXD

A+ Capable options indicated by this color background.

Ordering Information

DSX1LED Distribution Voltage Series Shipped included Type I short Type V short MVOLT 4.5 T5S DSX1 LED **Forward optics** 30K 3000 K T1S Type V medium 1206 SPA Square pole mounting Type II short T5M 4000 K T2S P1 P4 P7 40K Type II medium Type V wide 208 5.6 RPA Round pole mounting T2M T5W 50K 5000 K P2 P5 **P8** 240 5,6 WBA Wall bracket AMBPC Amber phosphor 135 Type III short BLC Backlight P3 P6 P9 control 2.3 converted² Type III medium 2776 **SPUMBA** Square pole universal mounting adaptor 8 T3M **Rotated optics** Left corner LCCO 347 5.6,7 **RPUMBA** Round pole universal mounting adaptor 8 T4M Type IV medium P101 P121 cutoff^{2,3} TFTM Forward throw 480 5.6,7 Shipped separately P111 P131 RCCO Right corner medium KMA8 DDBXD U Mast arm mounting bracket adaptor cutoff^{2,3} (specify finish) 9 T5VS Type V very short

ontrol options			Other	options	Finish (req	uirea)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹⁰ YER NEMA twist-lock receptade only (controls ordered separate) ¹¹ YERS Five-wire receptade only (controls ordered separate) ^{11,12} YER7 Seven-wire receptade only (controls ordered separate) ^{11,12} OMG 0-10V dimming extend out back of honsing for external control (leads exit fixture) DS Dual switching ^{13,14} PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{515,16} PIRH Bi-level motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{515,16} PIRHN Network, Bi-Level motion/ambient sensor ¹⁷ PIRFC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{515,16}	PIRH1FC3V BL30 BL50 PNMTDD3 PNMT5D3 PNMT6D3 PNMT7D3 FAO	Bi-level, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 1fc ^{515,15} Bi-level switched dimming, 30% ^{5,14,18} Bi-level switched dimming, 50% ^{5,16,18} Part night, dim till dawn ^{5,19} Part night, dim 5 hrs ^{5,19} Part night, dim 6 hrs ^{5,19} Part night, dim 7 hrs ^{5,19} Field adjustable output ¹⁰	HS SF DF L90 R90	ped installed House-side shield ²¹ Single fuse (120, 277, 347V) ⁶ Double fuse (208, 240, 480V) ⁶ Left rotated optics ¹ Right rotated optics ¹ Pight rotated optics ¹ ped separately Bird spikes ²² External glare shield ⁷²	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD	Dark bronze Black Natural aluminum White Textured dark bronz Textured black Textured natural aluminum Textured white



Ordering Information

A	C	C	e	S	S	0	r	İ	e	S	

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) 22
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) 23
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁸
DSHORT SBK U	Shorting cap ²⁸
DSX1HS 30C U	House-side shield for 30 LED unit ²¹
DSX1HS 40C U	House-side shield for 40 LED unit ²¹
DSX1HS 60C U	House-side shield for 60 LED unit ²¹
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁴
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) *

For more control options, visit DTL and ROAM online.

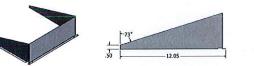
NOTES

- OTES P10, P112 or P13 and rotated optics (L90, R90) only available together. AMBPC is not available with BLC, LCCO, RCCO or P4, P7, P8, P9 or P13. Not available with H5. MVOLT driver operates on any line voltage from 120-277V (50/60 H2). Any PIRX with BL30, BL50 or PNMT, is not available with 2089, 2409, 347V, 480V or MVOLT. It is only available in 120V or 277V specified. Single face (SP) requires 1209, 277V or 347V. Double fuse (DF) requires 2089, 240V or 480V. Not available in P1 or P10. Not available with 1208, BL50 or PNMT options. Existing drilled pole only. Available with sub 30, BL50 or PNMT options. Existing drilled pole only. Available with sub ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- 10 Must be ordered with PIRHN.

Must be ordered with PIRHN.
 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
 If ROAM" node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming. Shorting cap included.
 If ROAM" node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming. Shorting cap included.
 Road" node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available vith DCR. Node with integral dimming. Shorting cap included.
 Road" node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available P1, P2, P3 or P4.
 Requires (2) separately switched circuits.
 Reference PER table on page 3 to see functionality.
 Must be ordered with NILTAR. For more information on night Air 2 visit this integral.
 Not available with 347V, 480V, PNMT, DS, For PERS or PER7, see PER Table on page 3. Separate Dusk to Dawn required.
 Not available with other dimming controls options

- 19 Not available with 347, 4807, US, BL30, BL30, FOF PCN OF PCN, See PCR table on page 3. Separate Dock to Damin require 20 Not available with other dimming controls options 21 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory, see Accessories information. 22 Must be ordered with future for factory pre-drilling. 23 Requires luminaire to be specified with PER, PERS or PER7 option. See PER Table on page 3. 24 For retrofit use only.

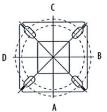
External Glare Shield



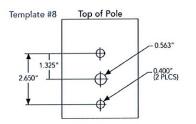


Drilling

HANDHOLE ORIENTATION



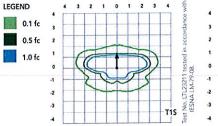
Handhole

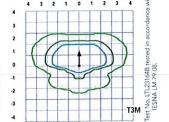


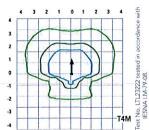
Photometric Diagrams

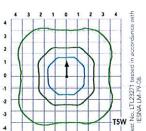
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

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











DSX1-LED Rev. 03/21/18 Page 2 of 7

Tenon Mounting Slipfitter**

j	Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
	2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
	2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	4″	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
UMITING	Diff20/15				
1@90°	2 @ 280°	2 @ 90°	3@120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A. B. C. D

Note: Review luminaire spec sheet for specific nomenclature

Pole top or tenon O.D.	4.5" @ 90°	4" @ 90°	3.5" @ 90°	3" @ 90"	4.5" @ 120°	4" @ 120°	3.5" @ 120°	3" @ 120
DSX SPA	Y	Y	Y	N	-			•
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-			
DSX RPUMBA	N	N	N	N	Y	Y	Y	N
					*3 fixtur	es @120 requi	re round pole to	o/tenon.

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

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

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

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			PER Table			
Control	PER	PE	R5 (5 wire)		PER7 (7 wi	re)
Control	(3 wire)		Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	Y	A	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	0	V	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	0	A	Wires Capped inside fixture	A	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	0	A	Wired to dimming leads on driver	1	Wired to dimming leads on driver	Wires Capped Inside fixture
Future-proof* with Motion	0	A	Wires Capped inside	V	Wires Capped inside	Wires Capped inside

✓ Recommended

Alternate

*Future-proof means: Ability to change controls in the future.

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

Electrical

Lumen Output

Forward (Optics				1		2015			1		101			1		50%					AMPRO		
.ED Count	Drive Current	Power Package	System Watts	Dist. Type			30K K, 70				-	40K K, 70	CRI)			(5000	1	-		The local design of the local design of the	mber Ph	AMBPC osphor C	onverted	and descent
	ecificati		- Hereiter	TIS	Lumens 6,457	B 2	U 0	G 2	LPW 120	Lumens 6,956	8	U 0	G 2	LPW 129	Lumens 7,044	B 2	0	G 2	LPW 130	Lumens 3,640	B 1	0	G 1	LP 7
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130	3,813	1	0	1	
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131	3,689	1	0	1	
NULL IS				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127	3,770	1	0	1	1
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131	3,752	1	0	1	1
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128	3,758	1	0	1	
30	530	P1	54W	TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131	3,701	1	0	1	
	550	1977 A. M. C. M.	5111	TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136	3,928	2	0	0	
				TSS	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136	3,881	2	0	0	
		15354		T5M T5W	6,711	3	0	1	124 123	7,229	3	0	1	134 133	7,321 7,273	3	0	2	136 135	3,930 3,820	2	0	1	
		The second		BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107	3,020		0	-	1
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80					
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80					
				T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129	4,561	1	0	1	(
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128	4,777	1	0	1	1
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129	4,622	1	0	2	6
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125	4,724	1	0	1	1
				T3M T4M	8,263 8,083	2	0	2	118 115	8,901 8,708	2	0	2	127	9,014 8,818	2	0	2	129 126	4,701 4,709	1	0	2	6
				TFTM	8,063	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	120	4,638	1	0	2	1
30	700	P2	70W	TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134	4,922	2	0	0	1
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134	4,863	2	0	0	1
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134	4,924	3	0	1	7
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133	4,787	3	0	1	1
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106					
				LCCO	5,038	1	0	2	72 72	5,427 5,427	1	0	2	78	5,496 5,496	1	0	2	79 79					
			1111111111	RCCO T1S	5,038	1 2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125	0000000	1.3003		T	T
				125	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125			11111		1
12.221		1970		T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125	Sec. 1				
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121					122
1.1.1.1				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125					
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122 125		-			-
30	1050	P3	102W	TFTM TSVS	11,673 12,140	2	0	2	114 119	12,575 13,078	2	0	3	123 128	12,734 13,244	2	0	3	125					17.0
				TSS	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	i	130					1
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130	2012				1
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129	123.057	233	12.00		
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102		950 8		12.201	
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76				22.42	-
		Sugar States	1212656565	RCCO T1S	7,121	1	0	3	70 107	7,671	1	0	3	75	7,768	1	0	3	76 117	CONTROL OF	ALC: N	0798640	12252	133
				T2S	13,435	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117					
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118					1
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114					-
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117					
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115					
30	1250	P4	125W	TETM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117					-
	10.00			TSVS TSS	13,987 13,999	4	0	1	112 112	15,068 15,080	4	0	1	121	15,259 15,271	4	0	1	122 122					+
				T5M	13,999	4	0	2	112	15,080	4	0	2	120	15,233	4	0	2	122					1
				TSW	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121					1
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96					
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72					-
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72					ļ
in the second				TIS	14,679	3	0	3	106 106	15,814 15,797	3	0	3	115	16,014	3	0	3	116 116		5	1		-
10.00			1.75	T2S T2M	14,664 14,739	3	0	3	106	15,878	3	0	3	114	15,997 16,079	3	0	3	110					100
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113	20.04				
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116	1001				
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114					
30	1400	P5	138W	TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116		(alach			
	1100	186.20	13511	TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121		1000			10
1993.78	1. 201	The Activity	2-15062	T5S T5M	15,295	3	0	1 2	111	16,477 16,435	4	0	1 2	119 119	16,686 16,644	4	0	1 2	121 121		1			-
	V. S. Marth		1999.14	T5W	15,257	4	0	3	110	16,328	4	0	3	119	16,534	4	0	3	120	Start I		1000		
		11144		BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95		3365			
	S ST ST			LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71		19.25			
100121101	10000	10110-10110-001			8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71					



Lumen Output

LED Count	Drive	Power	System	Dist.		(3000	30K K, 70	CRI)				40K K, 70	(RI)				50K K, 70	CRI)		(A	mber Ph	AMBPC osphor (onverte	d)
LED COUNT	Current	Package	Watts	Туре	Lumens	B	U	G	LPW	Lumens	8	U	G	LPW	Lumens	B	U	G	LPW	Lu- mens	В	U	G	u
1				TIS	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118	20112212				
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118	199.61			333	
		States"	51 - S. 292	T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119				1	
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115					
		Tested C		T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118	- marca a			1.	-
	12803243	Children and		T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116		0.50		-	
40	1250	P6	163W	TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118				1.1.1.1	-
	F. C. B. B. S. P.	S. S		TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123		1	1	1.52	-
	CALE-SAD	1.5.5		155	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123					+
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123					-
	131000			TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122			-		-
	25. 225.			BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97 72					
				LCCO RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72	1000				-
		12000100102000			10,781	1	0	3	66	11,614	1	0	3	113	11,761 20,975	2	0	3	115	and a killing the		Calmar 20570	and set of the	1
				T1S T2S	19,227 19,206	3	0	3	105 105	20,712 20,690	3	0	3	113	20,975	3	0	3	114					+
				T25		3	0	3		20,690	3	0	3	114	20,952	3	0	3	115					-
				T3S	19,305	3	0	3	105 102		3	0	3	110	20,396	3	0	4	111					
				T3M	18,696 19,258	3	0	3	102	20,141 20,746	3	0	3	113	21,009	3	0	3	115					+
				T4M	18,840	3	0	4	103	20,740	3	0	4	111	20,553	3	0	4	112					1
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115				1	+
40	1400	P7	183W	TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119					+-
				TSS	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119					1
				TSM	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119					-
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118					-
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94					+
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70		*****			
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70					-
				TIS	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119	958287	192.057		1999	
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118	2.064		0.221		
	A States			T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119				1980	
			inite interior	T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115					
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119					
	1	100000		T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116			A		
	1050		20711	TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119					
60	1050	P8	207W	T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123		is down	22.23		
			Statistics.	TSS	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123					
	121111			T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123					
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122	622.200				
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97		1.7.2	2455		
	a shire has	18 A 25		LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72	Sec.	2012		1	
		al a final		RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72	Contraction of the	and a start	and the	1363300	
				TIS	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116					
				T25	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116					
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116					
				135	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113					-
				T3M	25,617	3	0	4	106 104	27,597	3	0	4	115	27,946 27,339	3	0	4	116 113					
				T4M TFTM	25,061 25,602	3	0	4	104	26,997 27,580	3	0	4	114	27,929	3	0	4	116					
60	1250	P9	241W	TSVS	25,602	5	0	4	110	28,684	5	0	1	119	29,047	5	0	1	121					
				T55	26,648	4	0	2	111	28,707	5	0	2	119	29,047	5	0	2	121					
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120					
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120					-
				BLC	20,400	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95					
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71					
				LLLV	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71					



Lumen Output

LED Count	Drive	Power	System	Dist.		(3000	30K K, 70 (CRI)			(4000	40K K, 70	CRI)				50K K, 70	CRI)		(A)		AMBPC osphor C	onverted	i)
	Current	Package	Watts	Туре	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	L
NUS STOR	5-9-9-9-9-2-2	Street St	2007200000	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134	7,167	2	0	2	120
		14 14. HA	1-	T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133	7,507	2	0	2	
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136	7,263	2	0	2	
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131	7,424	2	0	2	1
			Spectrol.	T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136	7,387	2	0	2	
111-124			15000	T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133	7,400	2	0	2	
54.27.2		1 Salar		TETM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137	7,288	1	0	2	1
60	530	P10	106W	TSVS	13,372	3	0	1	125	14,405	4	0	1	136	14,588	4	0	1	138	7,734	3	0	1	1
				TSS	13,372	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136	7,641	3	0	0	
			Ville Star	T5M			0	2	125	14,281	4	0	2	135	14,462	4	0	2	136	7,737	3	0	2	
					13,256	4			extent on a part of		4	0	3	133	14,402	4	0	3	135	7,522	3	0	2	1
				TSW	13,137	4	0	3	124	14,153						3	0	3	112	1,522	-	U	1	+
2.5				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898		0	3	80	-				-
			S. S. S.	LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1		4			1.11.10.11			-
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0		80	0.053	-	-		-
				TIS	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132	8,952	2	0	2	-
				T25	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131	9,377	2	0	2	-
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133	9,072	2	0	2	
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129	9,273	2	0	2	
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133	9,227	2	0	2	
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131	9,243	2	0	2	
~	700	D11	12711	TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134	9,103	2	0	2	
60	700	P11	137W	T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135	9,661	3	0	1	
				TSS	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134	9,544	3	0	1	
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134	9,665	3	0	2	
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133	9,395	4	0	2	
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110					
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79					1
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79					1
				TIS	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121		022	1.1.1	ala.	
				125	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120			1.111	1.000	T
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123	121122	13533	1932.35		
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119					17
			Sec. St.	T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123	1 Notest	Part in the		1000	1
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120	TES COLVES	1.1.1.1.1.1	Stelline.	20220	1
		Sec. 24		TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123				1200	1
60	1050	P12	207W	TSVS	23,414	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124			2.2	13833	-
			THE PARTY				0	2	113	25,187	4	0	2	122	25,506	4	0	2	123					
				TSS	23,380	4	0	3	113	25,187	5	0	3	122	25,499	5	0	3	123					
			1223	T5M	23,374		0	4	112	24,955	5	0	4	122	25,271	5	0	4	122		1	10000		1
				TSW	23,165	5		4		24,933	4	0	4	100	20,979	4	0	4	101	1000	1000	1		+
				BLC	19,231	4	0	********	93		2		4	71	14,983	2	0	4	72			-	1100	-
				LCCO	13,734	2	0	3	66	14,796		0							72	-		1.10		
Sector 1	200506	1222	Constraints	RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	120	-Forth Long	96696	in the second	Distance of	1993
				TIS	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4						-
				T25	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119					+-
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121					-
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117					
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121					+
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119					
60	1250	P13	231W	TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122					-
00	1200	13	25111	TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123					1
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122					1
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122					
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121					1
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100					
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72					1
					15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72					T



FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

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

FINISH

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

OPTICS

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

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1

electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

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

LISTINGS

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

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

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

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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



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Specifi	cations	10 A A
EPA:	1.1 ft ² (0.10 m ²)	
Length:	40" (101.6 cm)	
Width:	15" (38.1 cm)	L
Height:	7-1/4" (18.4 cm)	
Weight (max):	36 lbs (16.3 kg)	

Catalog Number DSX2-LED-P7-40K-T4M-MV

Notes

Туре A

lit the Tab key or mouse over the page

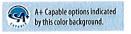
4 Capable Luminaire

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

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

To learn more about A+,

- visit www.acuitybrands.com/aplus.
- 1. See ordering tree for details.
- 2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL



Ordering Information

EXAMPLE: DSX2 LED P7 T3M MVOLT SPA DDBXD

the second s	LEDs	Color temperatu	e	Distribution			Voltage	Mounting		
DSX2 LED	Forward optics P1 P5 P2 P6 P3 P7 P4 P8 Rotated optics ¹ P10 P13 P11 P14 P12	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphy converte		T1SType I ShortT2SType II ShortT2MType II MediumT3SType III ShortT3MType III MediumT4MType IV MediumTFTMForward Throw Medium	TSVSType V Very ShortTSSType V ShortTSMType V MediumTSWType V WideBLCBacklight controLCCOLeft corner cutofRCCORight corner cutof	123 123	MVOLT 4.5 120 6 208 5.6 240 5.6 277 6 347 5.67 480 5.67	Shipped includ SPA RPA WBA SPUMBA RPUMBA Shipped separa KMA8 DDBXD U	Square pole n Round pole n Wall bracket Square pole u Round pole u ately	nounting iniversal mounting adaptor ^a niversal mounting adaptor ^a unting bracket adaptor
ontrol opt	ions					Otherop	otions		Finish (reg	nred)
PER PERS PER7 DMG	ntight AIR generation 2 enabled ¹⁰ NEMA twist-lock receptacle only (n Five-wire receptacle only (no contr Seven-wire receptacle only (no contr 0-10V dimming extend out back of external control (no controls)	ols) ^{11,12} trols) ^{11,12}	PIRH1F BL30 BL50 PNMTD PNMT5 PNMT6	height, ambient sensor Bi-level switched dimm Bi-level switched dimm Part night, dim till daw Part night, dim 5 hrs ^{5,11}	ning, 30% ^{5 13.17} ning, 50% ^{5 13.17} /n ^{5,18} #	HS I SF S DF I L90 I R90 I	d installed House-side shie Single fuse (120 Double fuse (20 Left rotated opti Right rotated op d separately	, 277, 347V) ⁶ 8, 240, 480V) ⁶ cs ¹	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD	Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum
DS	Dual switching 13,14		PNMT7				Bird spikes ²¹		DWHGXD	Textured white
PIRH	Bi-level, motion/ambient sensor, 1 height, ambient sensor enable at 5	5-30' mounting fc ^{5.15}	FAO	Field Adjustable Outpu	t ¹⁹	EGS	External glare sh	ield ²¹		



Ordering Information

Accessories

OLL 127F 1.5 JU	Photocell - SSL twist-lock (120-277V) 22
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²²
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) 22
OSHORT SBK U	Shorting cap ²²
DSX2HS 80C U	House-side shield for 80 LED unit ²⁰
OSX2HS 90C U	House-side shield for 90 LED unit ²⁰
DSX2HS 100C U	House-side shield for 100 LED unit ²⁰
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) 23
(MAS DDBXD U	Mast arm mounting bracket adaptor (specify finish)

For more control options, visit DTL and ROAM online.

- NOTES

 1
 P10, P11, P12 or P14 and rotated optics (100, R90) only available together.

 2
 AMBPC not available with BLC, LCCO, RCCO, HS or P5, P7, P8, P13 or P14.

 Not available with BLC, LCCO, RCCO, HS or P5, P7, P8, P13 or P14.

 4
 MVOLT driver operates on any line voltage from 120 277V (50/46 Hz).

 5
 Any PIR viriable available with BLC, LCCO, RCCO, HS or P5, P7, P8, P13 or P14.

 4
 MVOLT driver operates on any line voltage from 120 277V (50/46 Hz).

 5
 Any PIR viriable 320 or PNMT, is not available with 208V 240V a347V 480V or 480V.

 6
 Single fusc IST, requires 120V 277V or 247V. Double fuse (DF) requires 208V 240V or 480V.

 1
 Not available with DSA, builds as a separate combination accessory: for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.

 8
 Extring drilledrive with SPA orion.Must be ordered as a separate accessory: see Accessories information. For use with 2-3/8" mast arm (not included).

 10
 Must charder drive with PEN.

 11
 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting Cap included.

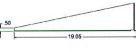
 12
 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming. Shorting Cap included.

 12
 If ROAM® node required, it must be ordered and shipped as a s

- Included index requires, it must be indered an simpled as a separate line item north Keiny indice Controls. Node with integral dimining, shi included.
 Requires (2) separately switched circuits. See Outdoor Control Technical Guide for details.
 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PERS, PER7, PIR or PIRH.
 Reference Motion Sensor table on page 3.
 Must be ordered with NURR2, For more information on nLight Air 2 visit this link.
 Not available with 347V, 480V, DS and PNMT. For PERS or PER7 see PER Table on page 3. Requires isolated neutral.
 Not available with 347V, 480V, DS 18.00, LSO, For PERS or PER7 see PER Table on page 3. Separate Dusk to Dawn required.
 Not available with their dimming controls options.
 Not available with their driver factory pre-drilling.
 Must be ordered with future for factory pre-drilling.
 Requires unimaite to be specified with PER, PER7 option, Ordered and shipped as a separate line item from Acuity Brands Controls.
 For retrofit use only.

External Glare Shield

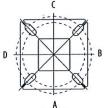




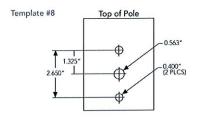


Drilling

HANDHOLE ORIENTATION



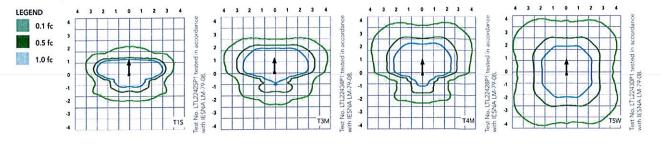
Handhole



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 2 homepage.

Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (30').





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Tenon Mounting Slipfitter**

					C. La Contra Con	
Tenon O.D.	Single Unit	2 at 180	2 at 90*	3 at 120°	3 at 90"	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1@90°	2 @ 280°	2 @ 90°	3@120°	3 @ 90°	4@90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D

ote: Review luminaire spec sheet for specific nomenclature

Pole top or tenon O.D.	4.5" @ 90"	4"@90°	3.5"@90°	3"@ 90`	4.5" @ 120°	4" @ 120*	3.5" @ 120°	3" @ 120°
DSX SPA	Y	Y	Y	N	-	-	-	-
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-			-
DSX RPUMBA	N	N	N	N	Y	Y	Y	N
					*3 fixtur	res @120 requi	re round pole top	o/tenon.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40 $^\circ$ (32-104 F).

Aml	oient	Lumen Multiplie
0°C	32°F	1.04
5℃	41°F	1.04
10°C	50°F	1.03
15℃	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35℃	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 LIF, use the lummen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

		Motion Sensor De	fault Settings			
Option	Dimmed State	High Level (when triggered)	Phototcell Operation	Dwell Time	Ramp-up Time	Ramp-dowr Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use with Inline	Dusk to Da	wn or timer.
----------------------	------------	--------------

			PER Table			
Control	PER (3 wire)	PE	R5 (5 wire)		PER7 (7 wi	re)
Control	(3 wire)		Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	4	A	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped Inside fixture
ROAM	0	V	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	0	A	Wires Capped inside fixture	A	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	0	A	Wired to dimming leads on driver	V	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	0	A	Wires Capped inside	V	Wires Capped inside	Wires Capped inside

Kecommended

Alternate

*Future-proof means: Ability to change controls in the future.

LITHONIA LIGHTING.

							Curre	ent (A)		
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
	P1	80	530	140	1.18	0.68	0.59	0.51	0.40	0.32
	P2	80	700	185	1.56	0.90	0.78	0.66	0.52	0.39
	P3	80	850	217	1.82	1.05	0.90	0.80	0.63	0.48
Forward Optics	P4	80	1050	270	2.27	1.31	1.12	0.99	0.79	0.59
(Non-Rotated)	P5	80	1250	321	2.68	1.54	1.34	1.17	0.93	0.68
	P6	100	1050	343	2.89	1.66	1.59	1.37	1.00	0.71
	P7	100	1250	398	3.31	1.91	1.66	1.45	1.16	0.81
	P8	100	1350	431	3.61	2.07	1.81	1.57	1.25	0.91
	P10	90	530	156	1.30	0.76	0.65	0.62	0.45	0.32
0-1-1-1 0-1-1-1	P11	90	700	207	1.75	1.01	0.87	0.74	0.60	0.46
Rotated Optics (Requires L90	P12	90	850	254	2.12	1.22	1.06	0.94	0.73	0.55
or R90)	P13	90	1200	344	2.88	1.65	1.44	1.25	1.00	0.73
	P14	90	1400	405	3.39	1.95	1.71	1.48	1.18	0.86

Lumen Output

	Drive	Power	System	Dist.			30K	(01)				40K				15000	50K	(01)				AMBPC		
ED Count	Current	Package	Watts	Туре	Lumens	(3000 B	K, 70	CRI) G	LPW	Lumens	(4000 B	K, 70 (U	CRI) G	LPW	Lumens	(5000 B	K, 70	G	LPW	(An Lumens	B	sphor Co	onverted G) I LP
				T1S	17,575	3	0	3	126	18,933	3	0	3	135	19,173	3	0	3	137	10,578	2	0	2	7
				T2S	17,556	3	0	3	125	18,913	3	0	3	135	19,152	3	0	3	137	10,554	2	0	2	7
				T2M	17,647	3	0	3	126	19,010	3	0	3	136	19,251	3	0	3	138	10,571	2	0	2	7
				T3S	17,090	3	0	3	122	18,411	3	0	3	132	18,644	3	0	3	133	10,548	2	0	2	7
			Conversition	T3M	17,604	3	0	3	126	18,964	3	0	3	135	19,204	3	0	3	137	10,569	2	0	2	7
		L. Lost		T4M	17,221	3	0	3	123	18,552	3	0	4	133	18,787	3	0	4	134	10,547	2	0	2	7
80	530	P1	140W	TFTM	17,593	3	0	3	126	18,952	3	0	4	135	19,192	3	0	4	137	10,741	1	0	2	7
	191			TSVS	18,297	4	0	1	131	19,711	4	0	1	141 141	19,961	4	0	1	143 143	11,155 11,149	3	0	0	8
		1993		TSS	18,312	4	0	2	131 130	19,727	4	0	2	141	19,977 19,926	4	0	2	145	11,096	3	0	2	8
				T5M T5W	18,266 18,146	4	0	2	130	19,677 19,548	5	0	3	141	19,920	5	0	3	141	10,957	3	0	2	8
				BLC	14,424	2	0	2	103	15,539	2	0	3	111	15,736	2	0	3	112	10,751	1975			
		Distantian'		LCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84				1100	
				RCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84				19,991	1
				TIS	22,305	3	0	3	121	24,029	3	0	3	130	24,333	3	0	3	132	13,147	2	0	2	7
				T2S	22,281	3	0	4	120	24,003	3	0	4	130	24,307	3	0	4	131	13,116	2	0	2	7
				T2M	22,396	3	0	3	121	24,127	3	0	3	130	24,432	3	0	3	132	13,138	2	0	2	7
				T3S	21,690	3	0	4	117	23,366	3	0	4	126	23,662	3	0	4	128	13,110	2	0	2	7
				T3M	22,342	3	0	4	121	24,068	3	0	4	130	24,373	3	0	4	132	13,135	2	0	3	7
				T4M	21,857	3	0	4	118	23,545	3	0	4	127	23,844	3	0	4	129	13,108	2	0	2	7
80	700	P2	185W	TFTM	22,328	3	0	4	121	24,054	3	0	4	130	24,358	3	0	4	132	13,349	2	0	2	7
00	700		10511	T5VS	23,222	5	0	1	126	25,016	5	0	1	135	25,333	5	0	1	137	13,864	3	0	1	7
				T5S	23,241	4	0	2	126	25,037	4	0	2	135	25,354	4	0	2	137	13,856	3	0	1	7.
				T5M	23,182	5	0	3	125	24,974	5	0	3	135	25,290	5	0	3	137 136	13,790 13,617	3	0	2	7.
				T5W	23,030	5	0	4	124 99	24,810	5	0	4	134 107	25,124	2	0	3	108	15,017	4	U	2	- "
				BLC	18,307	2	0	3	74	19,721 14,674	2	0	4	79	14,860	2	0	4	80					-
				RCCO	13,622	2	0	3	74	14,674	2	0	4	79	14,860	2	0	4	80					1
Children and the			100000	TIS	26,202	3	0	3	121	28,226	3	0	3	130	28,584	3	0	3	132	17,833	3	0	3	6
2922/00				T2S	26,174	3	0	4	121	28,196	3	0	4	130	28,553	3	0	4	132	17,791	3	0	3	6
				T2M	26,309	3	0	3	121	28,342	3	0	3	131	28,700	3	0	3	132	17,821	3	0	3	6
				T3S	25,479	3	0	4	117	27,448	3	0	4	126	27,795	3	0	4	128	17,782	3	0	3	6
				T3M	26,245	3.	0	4	121	28,273	3	0	4	130	28,631	3	0	4	132	17,817	3	0	3	6
				T4M	25,675	3	0	4	118	27,659	3	0	4	127	28,009	3	0	4	129	17,779	3	0	3	6
80	850	P3	217W	TFTM	26,229	3	0	4	121	28,255	3	0	4	130	28,613	3	0	4	132	18,107	3	0	3	6
00	000	13	200	TSVS	27,279	5	0	1	126	29,387	5	0	1	135	29,759	5	0	1	137	18,805	4	0	1	7
1.5.4 243				TSS	27,301	4	0	2	126	29,410	5	0	2	136	29,783	5	0	2	137	18,794	4	0	1	7
		12 Breit	Contraction of	T5M	27,232	5	0	3	125	29,336	5	0	3	135	29,707	5	0	3	137	18,705	4	0	2	6
			10.155	T5W	27,053	5	0	4	125 99	29,144 23,166	5	0	4	134 107	29,513 23,459	5	0	4	136 108	18,470	3	U	3	0
Sec. 1				BLC	21,504	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80	10.05	D ARGA			-
				RCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80	1000			1.5	1
der ander				TIS	30,963	4	0	4	115	33,355	4	0	4	124	33,777	4	0	4	125				-	-
				T2S	30,930	4	0	4	115	33,320	4	0	4	123	33,742	4	0	4	125					1
				T2M	31,089	3	0	4	115	33,491	3	0	4	124	33,915	3	0	4	126					
				T3S	30,108	4	0	4	112	32,435	4	0	5	120	32,845	4	0	5	122					
				T3M	31,014	3	0	4	115	33,410	3	0	4	124	33,833	3	0	4	125					
				T4M	30,340	3	0	5	112	32,684	3	0	5	121	33,098	3	0	5	123					
80	1050	P4	270W	TFTM	30,995	3	0	5	115	33,390	3	0	5	124	33,812	3	0	5	125					-
00	1050	14	27011	TSVS	32,235	5	0	1	119	34,726	5	0	1	129	35,166	5	0	1	130					-
				TSS	32,261	5	0	2	119	34,754	5	0	2	129	35,194	5	0	2	130					
				T5M	32,180	5	0	4	119	34,667	5	0	4	128	35,105	5	0	4	130					
				T5W	31,969	5	0	4	118	34,439	5	0	5	128 101	34,875	5	0	5	129 103					
				BLC	25,412	2	0	4	94 70	27,376 20,370	2	0	4	75	20,628	2	0	4	76					
				LCCO RCCO	18,909 18,909	2	0	4	70	20,370	2	0	4	75	20,628	2		4	76					-



Lumen Output

orward						3	IOK					IOK			1		50K					AMBPC		
ED Count	Drive Current	Power Package	System Watts	Dist. Type		(3000)	-	-	1		(4000		-			(5000			LINU		1	osphor Ca	onverted G)) LF
	A STATISTICS OF A			(13) SHOLLS	Lumens	В	U	G	LPW	Lumens	B	U	G	LPW 118	Lumens 38,392	B	U 0	G 4	LPW 120	Lumens	B	U	6	
			Lindaria	T1S T2S	35,193 35,155	4	0	4	110 110	37,912 37,872	4	0	4	118	38,351	4	0	5	119					-
				T2M	35,336	4	0	4	110	38,067	4	0	4	119	38,549	4	0	4	120			No.		
			1.4.4	T3S	34,222	4	0	5	107	36,866	4	0	5	115	37,333	4	0	5	116	R.C.S.		California (T
				T3M	35,251	3	0	4	110	37,974	3	0	5	118	38,455	4	0	5	120				1000	
				T4M	34,485	3	0	5	107	37,149	4	0	5	116	37,620	4	0	5	117					1
				TFTM	35,229	3	0	5	110	37,951	3	0	5	118	38,431	3	0	5	120				36112	
80	1250	P5	321W	T5VS	36,639	5	0	1	114	39,470	5	0	1	123	39,970	5	0	1	125			22		
2.20.00		1.1.1.1.1.1.1	T WELLAND	T5S	36,669	5	0	2	114	39,502	5	0	2	123	40,002	5	0	2	125	10.633333			1000	
-		a	C.SROVER!	T5M	36,576	5	0	4	114	39,403	5	0	4	123	39,901	5	0	4	124				1.	
				T5W	36,336	5	0	5	113	39,144	5	0	5	122	39,640	5	0	5	123			1		
				BLC	28,884	3	0	4	90	31,115	3	0	4	97	31,509	3	0	4	98					-
				LCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73			-		-
				RCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73 120	21,838	1	0	1	-
				TIS	37,824	4	0	4	110	40,747	4	0	4	119	41,263	4	0	4	120	21,636	1	0	1	-
				T25	37,784	4	0	5	110	40,704 40,913	4	0	5	119 119	41,219	4	0	4	120	21,787	1	0	1	
				T2M T3S	37,979 36,780	4	0	4	107	39,623	4	0	5	116	40,124	4	0	5	117	21,024	1	0	1	-
				T3M	37,886	3	0	5	110	40,814	4	0	5	119	41,331	4	0	5	120	21,819	1	0	1	-
				T4M	37,063	4	0	5	108	39,927	4	0	5	116	40,433	4	0	5	118	22,175	1	0	1	
				TFTM	37,863	3	0	5	110	40,789	4	0	5	119	41,305	4	0	5	120	21,773	1	0	1	
100	1050	P6	343W	TSVS	39,379	5	0	1	115	42,422	5	0	1	124	42,959	5	0	1	125	23,029	2	0	0	
				TSS	39,411	5	0	2	115	42,456	5	0	2	124	42,993	5	0	2	125	23,016	2	0	0	1
				T5M	39,311	5	0	4	115	42,349	5	0	4	123	42,885	5	0	4	125	22,906	2	0	1	
				T5W	39,053	5	0	5	114	42,071	5	0	5	123	42,604	5	0	5	124	22,619	2	0	1	1
				BLC	31,043	3	0	4	91	33,442	3	0	4	97	33,865	3	0	4	99					
				LCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73			L		-
				RCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73					-
				TIS	42,599	4	0	4	107	45,890	4	0	4	115	46,471	4	0	4	117	-			1.	-
			A Sauth	125	42,553	4	0	5	107	45,842	4	0	5	115	46,422	4	0	5	117					-
13.121			Strenderte.	T2M	42,773	4	0	4	107	46,078	4	0	4	116	46,661	4	0	5	117					+
			1.18	135	41,423	4	0	5	104	44,624	4	0	5	112	45,189	4	0	5	114 117					-
		1997	-11-22	T3M	42,669	4	0	5	107 105	45,966 44,967	4	0	5	115 113	46,548	4	0	5	114	1.1.1.1.1.1.1.1	-	and a		+
-				T4M TFTM	41,742 42,643	4	0	5	105	45,938	4	0	5	115	46,519	4	0	5	117	Contraction of the	1.44			-
100	1250	P7	398W	TSVS	42,043	5	0	1	111	43,330	5	0	1	120	48,381	5	0	1	122				1000	
				TSS	44,385	5	0	2	112	47,815	5	0	3	120	48,420	5	0	3	122					
			1	T5M	44,273	5	0	4	111	47,695	5	0	4	120	48,298	5	0	4	121			12.202		
		1 Ballikai		TSW	43,983	5	0	5	111	47,382	5	0	5	119	47,982	5	0	5	121	2224	1910-11		1	
		1.443.532		BLC	34,962	3	0	4	88	37,664	3	0	5	95	38,140	3	0	5	96	1014-114	1200			1
		Cale Second		LCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71					
		and the state		RCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71					
			_	TIS	45,610	4	0	4	106	49,135	4	0	4	114	49,757	4	0	4	115					_
				T2S	45,562	4	0	5	106	49,083	4	0	5	114	49,704	4	0	5	115					-
				T2M	45,797	4	0	4	106	49,336	4	0	5	114	49,960	4	0	5	116					
				T3S	44,352	4	0	5	103	47,779	4	0	5	111	48,384	4	0	5	112					-
				T3M	45,686	4	0	5	106	49,216	4	0	5	114	49,839	4	0	5	116					+
				T4M	44,693	4	0	5	104	48,147	4	0	5	112	48,756	4	0	5	113 116			-		+
100	1350	P8	448W	TFTM	45,657	4	0	5	106	49,186	4	0	5	114 119	49,808	4	0	1	120	-		-	-	+
	0.03259		10000000	TSVS	47,485 47,524	5	0	1	110	51,155	5	0	3	119	51,844	5	0	3	120			1		+
				T5S T5M	47,524	5	0	4	110	51,067	5	0	5	118	51,713	5	0	5	120					-
				T5W	47,404	5	0	5	109	50,732	5	0	5	118	51,374	5	0	5	119			1	1	1
				BLC	37,434	3	0	5	87	40,326	3	0	5	94	40,837	3	0	5	95					T
				LCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71					1
				RCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71			1		T



Lumen Output

otated 0	ptics				1	,	OK	-				IOK			1		50K					мврс		
D Count	Drive	Power	System	Dist.		(3000 K		(RI)			(4000		(RI)			(5000		(RI)			nber Pho	sphor Co	onverted	
	Current	Package	Watts	Туре	Lumens	В	U	G	LPW	Lumens	B	U	G	LPW	Lumens	В		G	LPW	Lumens	В	U	G	L
NEW /				TIS	20,145	4	0	4	129	21,702	4	0	4	139	21,977	4	0	4	141	11,475 11,448	3	0	3	7
			S. S. S. S.	T2S	20,029	4	0	4	128	21,577	4	0	4	138	21,850	4	0	4	140	11,440	3	0	3	
19.28			19.119.44	T2M	20,391	4	0	4	131	21,967 21,242	4	0	4	141 136	22,245	4	0	4	138	11,442	3	0	3	
198.392				T3S T3M	19,719 20,379	4	0	4	131	21,954	4	0	4	141	22,232	4	0	4	143	11,464	4	0	4	
		(E) E A B A		T4M	19,995	4	0	4	128	21,540	4	0	4	138	21,812	5	0	5	140	11,440	4	0	4	
				TFTM	20,511	4	0	4	131	22,096	5	0	5	142	22,376	5	0	5	143	11,651	4	0	4	
90	530	P10	156W	T5VS	20,655	4	0	1	132	22,251	4	0	1	143	22,533	4	0	1	144	12,288	3	0	1	
15.775		N. Stranger	163863	T5S	20,482	4	0	2	131	22,064	4	0	2	141	22,343	4	0	2	143	11,978	3	0	1	-
1000				T5M	20,477	5	0	3	131	22,059	5	0	3	141	22,338	5	0	3	143 142	12,301	4	0	2	
1.00				T5W	20,293	5	0	3	130 108	21,861 18,148	5	0	3	140 116	22,138 18,378	5	0	4	118	12,103		U	-	1
				BLC	16,846 12,032	4	0	3	77	12,961	2	0	3	83	13,125	2	0	3	84	1.000	S.S.dis.			
12123				RCCO	12,016	4	0	4	77	12,944	4	0	4	83	13,108	4	0	4	84					
				TIS	25,518	4	0	4	123	27,490	4	0	4	133	27,837	4	0	4	134	14,387	3	0	3	
				T2S	25,371	5	0	5	123	27,331	5	0	5	132	27,677	5	0	5	134	14,354	3	0	3	
				T2M	25,829	4	0	4	125	27,825	4	0	4	134	28,177	4	0	4	136	14,378	4	0	4	
				T3S	24,977	5	0	5	121	26,907	5	0	5	130	27,248	5	0	5	132	14,347	4	0	4	
				T3M	25,814	5	0	5	125	27,809	5	0	5	134	28,161	5	0	5	136 133	14,374	4	0	4	
				T4M	25,327	5	0	5	122	27,284	5	0	5	132 135	27,629 28,343	5	0	5	133	14,344	4	0	4	
90	700	P11	207W	TFTM	25,981	5	0	5	126 126	27,989 28,185	5	0	5	135	28,543	5	0	1	137	15,408	4	0	1	
				T5VS T5S	26,164 25,943	4	0	2	120	27,948	5	0	2	135	28,302	5	0	2	137	15,424	4	0	2	
				TSM	25,937	5	0	3	125	27,941	5	0	3	135	28,295	5	0	3	137	14,609	4	0	4	
				T5W	25,704	5	0	4	124	27,691	5	0	4	134	28,041	5	0	4	135	15,182	4	0	2	
				BLC	21,339	4	0	4	103	22,988	4	0	4	111	23,279	4	0	4	112					-
				LCCO	15,240	2	0	4	74	16,418	2	0	4	79	16,626	2	0	4	80					-
				RCCO	15,220	5	0	5	74	16,396	5	0	5	79	16,604	5	0	5	80			20.0153	Therease	-
			Section 2	TIS	29,912	4	0	4	118	32,223	4	0	4	127 126	32,631 32,443	5	0	4	128 128		-	1	1000	-
			1	T2S T2M	29,740 30,277	5	0 0	5	117	32,038 32,616	5	0	5	120	33,029	5	0	5	130	1.199.50	1997		1000	
				T3S	29,278	5	0	5	115	31,540	5	0	5	124	31,940	5	0	5	126			1.55	1	1
				T3M	30,259	5	0	5	119	32,597	5	0	5	128	33,010	5	0	5	130			•		
				T4M	29,688	5	0	5	117	31,982	5	0	5	126	32,387	5	0	5	128					
	850	P12	254W	TFTM	30,455	5	0	5	120	32,808	5	0	5	129	33,224	5	0	5	131					-
90	000	F12	2.5411	TSVS	30,669	5	0	1	121	33,039	5	0	1	130	33,457	5	0	1	132				-	
1.27.26			distant of	TSS	30,411	5	0	2	120	32,761	5	0	2	129 129	33,176 33,168	5	0	2	131				-	
1.6.12		The second		T5M T5W	30,404 30,131	5	0	3	120 119	32,753 32,459	5	0	4	123	32,870	5	0	4	129				1.185	
1111			14.96	BLC	25,013	4	0	4	98	26,946	4	0	4	106	27,287	4	0	4	107		1000	1	15785	
		Francis-		LCCO	17,865	2	0	4	70	19,245	2	0	4	76	19,489	2	0	4	77				1.5.6.5	
a la		Self Self	144.55	RCCO	17,841	5	0	5	70	19,220	5	0	5	76	19,463	5	0	5	77				Abb St	
				TIS	38,768	5	0	5	113	41,764	5	0	5	121	42,292	5	0	5	123					-
				T2S	38,545	5	0	5	112	41,523	5	0	5	121	42,049	5	0	5	122					-
				T2M	39,241	5	0	5	114	42,273	5	0	5	123	42,808	5	0	5	124					-
				T35	37,947	5	0	5	110	40,879 42,249	5	0	5	119 123	41,396	5	0	5	120				+	+
				T3M T4M	39,218 38,478	5	0	5	114	42,249	5	0	5	123	41,976	5	0	5	124			1	1	1
		C. Sector		TFTM	39,472	5	0	5	115	42,522	5	0	5	124	43,060	5	0	5	125					
90	1200	P13	344W	TSVS	39,749	5	0	1	116	42,821	5	0	1	124	43,363	5	0	1	126					
				T5S	39,415	5	0	2	115	42,461	5	0	2	123	42,998	5	0	2	125					-
				T5M	39,405	5	0	4	115	42,450	5	0	4	123	42,988	5	0	4	125					1
				T5W	39,052	5	0	5	114	42,069	5	0	5	122	42,602	5	0	5	124	-				-
				BLC	32,419	5	0	5	94	34,925	5	0	5	102 73	35,367	5	0	5	103 73				+	-
				RCCO	23,154 23,124	3	0	5	67 67	24,943 24,910	5	0	5	72	25,239	5	0	5	73				-	1
	11111111111	10-1-10-17-54		TIS	42,867	5	0	5	106	46,180	5	0	5	114	46,764	5	0	5	115	1222.2		1003	1225	
		Sec. 2		T2S	42,607	5	0	5	105	45,914	5	0	5	113	46,495	5	0	5	115					
1915		1332243		T2M	43,390	5	0	5	107	46,743	5	0	5	115	47,335	5	0	5	117					
				T35	41,959	5	0	5	104	45,201	5	0	5	112	45,773	5	0	5	113			-		
1.8				T3M	43,365	5	0	5	107	46,716	5	0	5	115	47,307	5	0	5	117	-				-
				T4M	42,547	5	0	5	105	45,834	5	0	5	113	46,414	5	0	5	115			1	1000	+
90	1400	P14	405W	TFTM	43,646	5	0	5	108	47,018	5	0	5	116	47,614 47,948	5	0	5	118 118				1200	+
		1.644.5	100.34	TSVS	43,952 43,583	5	0	1	109	47,349 46,950	5	0	2	116	47,545	5	0	3	117				1	1
				T5M	43,583	5	0	4	108	46,939	5	0	4	116	47,533	5	0	4	117		2.53	100000	1200	
		S. Contraction		T5W	43,372	5	0	5	107	46,518	5	0	5	115	47,107	5	0	5	116				1200	
100000000000			1.88994	BLC	35,847	5	0	5	89	38,617	5	0	5	95	39,106 27,930	5	0	5	97			13.85		
Dia State																	0	5	69					1.12



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.1 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.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly[™] product, meaning it is consistent with the LEED[®] and Green Globes[™] criteria for eliminating constant of using the second wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hrs 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 4% failure rate. Easily-serviceable 104KV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

LITHONIA LIGHTING

One Lithonia Way • Convers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com © 2011-2018 Acuity Brands Lighting, Inc. All rights reserved.

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D670,857 S. International patent pending.

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

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

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms and coliditions.aspx

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.



Project Type

Catalog No.

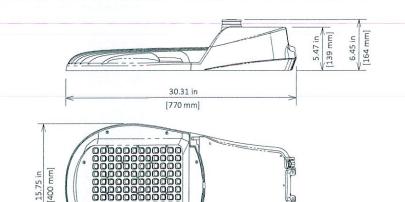
GreenCobra™ LED Street Light

GC2 F-Series Specification Data Sheet

Luminaire Data

 Weight
 25 lbs [11.3 kg]

 EPA
 0.77 ft²



0000

Ordering Information

Sample Catalog No. GC2 80F MV NW 2 GY FDC350

Product	No. & Type of LEDs	V	/oltage1		Color perature	Di	stribution	F	inish²	Pan Bartera	Drive ent Code ³		Options
GC2	90F 100F 120F	MV HV	120-277V 347-480V	WW NW CW	3000K 4000K 5000K	2 3	Туре 2 Туре 3	GY DB BK	Gray Dark Bronze Black	350 530 700	350mA 530mA 700mA	HSS⁵ FDC ⁶ FFA ⁷ LPCR	House Side Shield (Factory Installed) Fixed Drive Current Full Field Adjustability Less Photocontrol
										1225-2019-2	Drive ent Code ³	PCR7	Receptacle ANSI 7-wire Photocontrol Receptacle
GC2	80F									700 1A ⁴	700mA 1A	PCR7-CR ⁸ SC WL	Control Ready 7-wire Photocontrol Receptacle PCR Shorting Cap Utility Wattage Label

Notes:

1 MV is DLC qualified. HV is DLC qualified on request, consult factory.

- 2 Gray, Black and Dark Bronze standard, consult factory for other finishes.
- 3 Specified drive current code is the factory set maximum drive current. Field adjustable current selector enables standard dimming to lower wattage drive currents only. Consult factory if wattage limits require a special drive current.
- 4 1A drive current only available with 80F.
- 5 Flush mounted house side shield factory installed. Shield cuts light off at 1/2 mounting height behind luminaire.
- 6 Non-field adjustable, fixed drive current.
- 7 The FFA option enables full field adjustability from the specified drive current code to all drive currents available. This option is not DLC qualified.
- 8 Control-ready wired at factory for wireless node dimming. Supplied at maximum drive current. If lower drive current is required, consult factory.
- 9 Flush mounted house side shield. Shield cuts light off at 1/2 mounting height behind luminaire. Specify Model and Color.
- 10 Specify Color (GY, DB, BK)
- 11 Specify MV (120-277V) or HV (347V-480V)

Accessories*

	Accessories
HSSGC2 ⁹	House Side Shield
SPB ¹⁰	Square Pole Horizontal Arm Bracket
RPB ¹⁰	Round Pole Horizontal Arm Bracket
PTB ¹⁰	Pole Top Tenon Horizontal
	Arm Bracket
WB ¹⁰	Wall Horizontal Arm Bracket
BSK	Bird Deterrent Spider Kit
LLPC ¹¹	Long-Life Twist Lock Photocontrol
SC	Twist Lock Shorting Cap

*Accessories are ordered separately and not to be included in the catalog number





GreenCobra[™] LED Street Light GC2 F-Series Specification Data Sheet

Luminaire Specifications

Housing

Die cast aluminum housing with universal four-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. Aluminum housing provides passive heat-sinking of the LEDs and has upper surfaces that shed precipitation. Mounting provisions meet 3G vibration per ANSI C136.31-2010 Normal Application, Bridge & Overpass. Mounting has leveling adjustment from + 10° to -5° in 2.5° steps and integral bubble level standard. Electrical components are accessed without tools and are mounted on removable power door with stainless steel latches. Standard rubber wildlife guard conforms to mast arm with no gaps.

Light Emitting Diodes

Hi-flux/Hi-power white LEDs produce a minimum of 90% of initial intensity at 100,000 hours of life based on IES TM-21. LEDs are tested in accordance with IES LM-80 testing procedures. LEDs have correlated color temperature of 3000K (WW), 4000K (NW), or 5000K (CW) and 70 CRI minimum. LEDs are 100% mercury and lead free.

Field Adjustability

LED drive current can be changed in the field to adjust light output for local conditions (not available with PCR7-CR option). The specified drive current code will be the factory set maximum drive current and field adjustments can only be made to available lower wattage drive currents. Select the FFA option if full field adjustability to all available drive currents (700mA max or 1A max) is desired. The FFA option is not DLC qualified.

Quality Control

Every luminaire is performance tested before and after a 2-hour burn-in period. Assembled in the USA.

Optical Systems

Micro-lens optical systems produce IESNA Type 2 or Type 3 distributions and are fully sealed to maintain an IP66 rating. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0). Optional house side shield cuts light off at 1/2 mounting height behind luminaire.

Electrical

Rated life of electrical components is 100,000 hours. Uses isolated power supply that is 1-10V dimmable. Power supply is wired with quick-disconnect terminals. Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Terminal block accommodates 6 to 14 gauge wire and is aligned for strait wire entry. Surge protection complies with IEEE/ ANSI C62.41 Category C High, 20kV/10kA.

Controls

3-Wire photocontrol receptacle is standard. ANSI C136.41 7-wire (PCR7) photocontrol receptacle is available. All photocontrol receptacles have tool-less rotatable bases. Wireless control module is provided by others.

Finish

Housing receives a fade and abrasion resistant polyester powder coat finish. Finish tested to withstand 3000 hours in salt spray exposure per ASTM B117. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. DesignLights Consortium™ qualified 120-277V 4000K product. International Dark Sky Association listed. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C.

Photometry

Luminaires photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures. IES files for all CCTs are available at leotek.com.

Warranty

10-year limited warranty is standard on luminaire and components.

Performance Data

All data nominal. IES files for all CCTs are available at leotek.com.

					Type 2	Type 3
No. of LEDs & Type	Drive Current (mA)	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	BUG Rating	BUG Rating
	700	180	17700	98	B3 U0 G3	B3 U0 G3
80F	1000	277	24500	88	B4 U0 G4	B4 U0 G4
	350	95	10800	114	B2 U0 G2	B3 U0 G3
90F	530	150	16050	107	B3 U0 G3	B3 U0 G3
	700	195	19800	102	B3 U0 G3	B3 U0 G3
	350	105	11700	111	B3 U0 G3	B3 U0 G3
100F	530	167	17400	104	B3 U0 G3	B3 U0 G3
	700	220	22000	100	B3 U0 G3	B3 U0 G3
	350	130	14600	112	B3 U0 G3	B3 U0 G3
120F	530	200	20800	104	B3 U0 G3	B3 U0 G3
	700	260	26400	102	B4 U0 G4	B4 U0 G4

Notes:

1 All data nominal lumens for 4000K (NW) and 5000K (CW). For 3000K (WW) apply a LLF of 0.93. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, and ambient temperatures.

©2018 Leotek Electronics USA.

GC2 F-Series Spec Sheet_031918. Specifications subject to change without notice.

PART OF LEASE LOT 19 OF SPIRIT OF ST. LOUIS AIRPORT - SITE DEVE A TRACT OF LAND BEING PART OF LEASE LOT 19 OF SIPIRT OF ST. LOUIS AIRPORT PLAT 1

LEGEND

EXISTING CONTOURS	
PROPOSED CONTOURS	120
EXISTING SANITARY SEWERS	= = =
EXISTING STORM SEWERS	0_ = _ =
PROPOSED SANITARY SEWERS	
PROPOSED STORM SEWERS	
EXISTING RIGHT-OF-WAY	
PROPOSED RIGHT-OF-WAY	· · · · · · · · · · · · · · · · · · ·
CENTERLINE	
EASEMENT	
NOTES PARKING SPACES	(18)
GUY WIRE	Ţ.
EXISTING SPOT ELEVATION	+ EX. 120.15
PROPOSED SPOT ELEVATION	<u>★ 120.10</u>
SWALE	
TO BE REMOVED	T.B.R.
TO BE REMOVED & RELOCATED	T.B.R. & R.
TO BE USED IN PLACE	U.I.P.
BACK OF CURB	B.C.
FACE OF CURB	F.C.
TRASH ENCLOSURE	\boxtimes
EXISTING LIGHT STANDARD	¢
GAS MAIN	G
WATER MAIN	W
UNDERGROUND TELEPHONE	ī
UNDERGROUND TELEPHONE	(E)

ABBREVIATIONS

W E OE UE G T BR TBR UIP ATG BC	& R		WATER ELECTRIC OVERHEAD ELECTRIC UNDERGROUND ELECTRIC GAS TELEPHONE TO BE REMOVED TO BE REMOVED AND REPLACED USE IN PLACE ADJUST TO GRADE BACK OF CURB	DB PG (ECC) FT FND SQ MH
FC			FACE OF CURB	Al
TW			TOP OF WALL	CI
BW			BOTTOM OF WALL	GI
PVM			PAVEMENT	YD
ASP			ASPHALT	PVC
CON			CONCRETE	RCP
GRN	ID		GROUND	CMP
FG			FINISHED GRADE	VCP
FF			FINISHED FLOOR	FL
LL			LOWER LEVEL	TS
TT			TOP OF TURF	ELEV,
TC			TOP OF CURB	PROP
SG			SUBGRADE	EXIST
MG		-	METHANE GAS	TYP
				BMP

- DEED BOOK - PLAT BOOK

- PAGE
- RIGHT-OF-WAY WIDTH - RECORD INFORMATION
- FEET
- NOW OR FORMERLY - FOUND
- SQUARE
- CLEANOUT
- MANHOLE
- AREA INLET - CURB INLET
- GRATE INLET
- YARD DRAIN
- POLYVINYL CHLORIDE PIPE - REINFORCED CONCRETE PIPE
- CORRUGATED METAL PIPE
- CLAY PIPE
- FLOWLINE - TAILSTAKE
- , EL ELEVATION
- P, PR PROPOSED
- T, EX EXISTING - TYPICAL

SWPPP

- BEST MANAGEMENT PRACTICES
- STORMWATER POLLUTION PREVENTION PLAN

LEASEHOLD AREA PROPERTY DESCRIPTION

A tract of land being part of Lease Lot 19 of Spirit of St. Louis Airport Plat 1 as recorded in Plat Book 258, Page 74 Township 45 North, Range 3 East of the 5th Principal Meridian City of Chesterfield, St. Louis County, Missouri being more particularly described as follows.

Commencing at a found iron rod located at the intersection of the west line of above said Lease Lot 19 and the north right-of-way line of Edison Avenue, 60 feet wide; thence along said right-ofway line, North 78 degrees 12 minutes 35 seconds East, 39.64 feet to its intersection with the direct southeasterly prolongation of the east line of Taxiway F, 80 feet wide, of above said Spirit of St. Louis Airport Plat 1, said point also being the POINT OF BEGINNING of the herein described tract; thence departing said right-of-way line along said prolongation line and the east line of said Taxiway F, North 11 degrees 47 minutes 25 seconds West, 470.93 feet, thence departing said east line, North 78 degrees 15 minutes 21 seconds East, 439.03 feet to a point being 71.82 feet west of the east line of above said Lease Lot 19; thence along a line parallel to and 71.82 feet west of the said east line. South 11 degrees 50 minutes 25 seconds East, 494.00 feet to a point being 63.42 feet north of the south line of said Lease Lot 19; thence along a line being parallel to and 63.42 feet north of said south line, South 78 degrees 10 minutes 41 seconds West, 326.33 feet to the eastern right-of-way line of above said Edison Avenue; thence along the eastern and northern right-of-way lines of Edison Avenue, North 44 degrees 21 minutes 54 seconds West, 28.00 feet and South 78 degrees 12 minutes 35 seconds West, 98.05 feet to the POINT OF BEGINNING. Containing 214,623 square feet or 4.927 acres, more or less according to calculations performed by Stock & Associates Consulting Engineers, Inc. on July 23, 2018

ST. LOUIS COUNTY NOTES

- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
- 2. NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
- 3. STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- 4. ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
- 5. ALL SIDEWALKS AND ASSOCIATED ACCESSIBILITY IMPROVEMENTS WITHIN RIGHT-OF-WAY SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY ADA STANDARDS.
- 6. A SIGNED/SEALED NOTE SHALL BE ADDED TO THE CONSTRUCTION PLANS INDICATING THAT THE UNIMPROVED EXISTING SIDEWALK/PEDSTRIAN PATH ALONG THE PROJECT FRONTAGE MEETS THE CURRENT ST. LOUIS COUNTY ADA STANDARDS.
- 7. ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS.
- 8. ALL HYDRANTS, POWER POLES OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY SHALL HAVE A MINIMUM TWO (2) FOOT SETBACK FROM FACE OF CURB OR EDGE OF PAVEMENT, AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF TRANSPORTATION.
- 9. ANY ENTITY THAT PERFORMS WORK ON ST. LOUIS COUNTY MAINTAINED PROPERTY SHALL PROVIDE THE COUNTY WITH A CERTIFICATE OF INSURANCE EVIDENCING GENERAL LIABILITY COVERAGE (BODILY INJURY AND PROPERTY DAMAGE) IN THE AMOUNTS SPECIFIED AS THE LIMITS OF LIABILITY SET FORTH BY THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICATE SHALL INCLUDE "ST. LOUIS COUNTY" AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF ANY PERMIT. CERTIFICATE SHALL PROVIDE FOR A 30-DAY POLICY CANCELLATION NOTICE TO ST. LOUIS COUNTY. UPON REQUEST, THE COUNTY WILL PROVIDE THE SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PER OCCURRENCE LIMITS.
- 10. PRIOR TO "SPECIAL USE PERMIT" ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF TRANSPORTATION, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT, MAY BE REQUIRED TO BE ESTABLISHED WITH THE ST. LOUIS COUNTY TRANSPORTATION DEPARTMENT TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.
- 11. CONTINUOUS PEDESTRIAN ACCESS SHALL BE PROVIDED DURING THE CONSTRUCTION PROCESS. PRIOR TO THE START OF CONSTRUCTION, ADEQUATE PEDESTRIAN ACCESS AROUND THE SITE SHALL BE PROVIDED AND VERIFIED. NO EXISTING SIDEWALK SHALL BE REMOVED WITHOUT PROVIDING ADEQUATE PEDESTRIAN FACILITIES AND ROUTES DURING CONSTRUCTION ACTIVITIES.

BENCHMARK

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14

SL-40: BRASS DISC STAMPED "SL-40, 1990" ON THE NORTH SIDE OF NORTH OUTER 40 RD, ACROSS FROM THE INTERSECTION OF SPIRIT OF ST. LOUIS BOULEVARD. ELEV.=486.55
SITE BENCHMARK
ELEV.=461.90

FND. IRON PIPE AT THE NORTHWEST CORNER OF SITE AS SHOWN HEREON.

prepared for:

CONTEGRA CONSTRUCTION LLC AVMATS JET SUPPORT 22 GATEWAY COMMERCE CENTER DRIVE WEST 18377 EDISON AVENUE SUITE 110 EDWARDSVILLE, ILLINOIS 62025

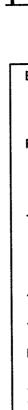
CHESTERFIELD, MISSOURI 63005

AS RECORDED IN PLAT BOOK 258, PAGE 74 TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI



SHEET INDEX

- SDSP-1 TITLE SHEET
- SDSP-2 SITE PLAN
- SDSP-3 DETAILS
- PHOTOMETRIC PLAN E-1
- LANDSCAPE PLAN L-1



GENERAL NOTES

- 1. BOUNDARY AND TOPOGRAPHICAL SURVEY BY STOCK ASSOCIATES CONSULTING ENGINEERS, INC. (BASIS MISSOURI STATE PLANE, GRID NORTH)
- 2. SUBJECT PROPERTY LIES WITHIN FLOOD ZONES "AH' (AREAS OF 500-YEAR FLOOD; AREAS OF 100-YEA AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH AREAS LESS THAN 1 SQUARE MILE; AND AREAS PF LEVEES FROM 100-YEAR FLOOD) ACCORDING TO TH FLOOD INSURANCE PROGRAM, FLOOD INSURANCE R/ ST. LOUIS COUNTY, MISSOURI AND INCORPORATED NO. 29189C0145K WITH AN EFFECTIVE DATE OF FEI 2015 WITH AN ELEVATION OF 459.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE FROM AVAILABLE RECORDS. THEIR LOCATION SHOL 3. CONSIDERED APPROXIMATE. THE CONTRACTOR HAS RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD SHOULD ANY CONFLICTS BE EVIDENT, THE CONTR NOTIFY THE OFFICE OF THE ENGINEER IMMEDIATELY
- 4. ON-SITE STORM WATER DRAINAGE REQUIREMENTS S ACCORDANCE WITH THE SPIRIT OF SAINT LOUIS AIRF PERMIT MOR80F016.
- 5. ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED OF CHESTERFIELD STANDARDS.
- 6. ALL GRADING AND DRAINAGE TO BE IN CONFORMAN ST. LOUIS COUNTY, MSD, CITY OF CHESTERFIELD, ANI SAINT LOUIS AIRPORT STANDARDS.
- 7. STORM WATER SHALL BE DISCHARGED AT AN ADEC DISCHARGE POINT. SINKHOLES ARE NOT ADEQUAT PUIN 15.
- 8. THIS SITE DEVELOPMENT SECTION PLAN WILL ADHE PARKING AND LOADING REGULATIONS OF THE CITY CHESTERFIELD CODE.
- 9. ALL UTILITIES WILL BE INSTALLED UNDERGROUND. DEVELOPMENT OF THIS PARCEL WILL COORDINATE INSTALLATION OF ALL UTILITIES IN CONJUNCTION W CONSTRUCTION OF ANY ROADWAY.
- 10. SIGNAGE WILL BE WALL MOUNT, NO FREE-STANDING SIGNS ARE PROPOSED.
- 11. ALL LIGHTING SHALL CONFORM TO THE LIGHTING OF THE CITY OF CHESTERFIELD AND MEET THE SPIRIT AIRPORT REQUIREMENTS.
- 12. PLANS SUBJECT TO CHANGE PENDING AGENCY REV ENGINEERING.
- 13. ALL UTILITY BOXES, INCLUDING TRANSFORMERS AND EXCEPT WHEN FLUSH WITH GROUND, WILL BE SCRE REQUIRED BY CITY OF CHESTERFIELD CODE (APPEN 1003.177.11(D).

SITE INFORMATION

ADDRESS

OWNER

ZONING

FLOOD MAP

WATERSHED

FIRE DISTRICT

GAS SERVICE

PHONE SERVICE

WATER SERVICE

SEWER DISTRICT

SCHOOL DISTRICT

ELECTRIC SERVICE

CITY

LEASEHOLD AREA

- = 18301 EDISON AVENUE CHESTERFIELD, MO 63005
- = 4.93 ACRES
- = ST. LOUIS COUNTY
- = CITY OF CHESTERFIELD
- = "M3" PLANNED INDUSTRIAL DISTRICT
- = 29189C0145K
- = MSD
- = MISSOURI RIVER
- = MONARCH CHESTERFIELD
- = ROCKWOOD R-6
- = AMEREN
- = SPIRE
- = ATT
- = MO. AMERICAN WATER CO.
- = CHARTER COMMUNICATIONS

SPIRIT OF ST. LOUIS AIRPORT OPERATES UNDER THE FOLLOWING PERMITS: GENERAL PERMIT MO-R80F016 AND LAND DISTURBANCE PERMIT MOR 103441

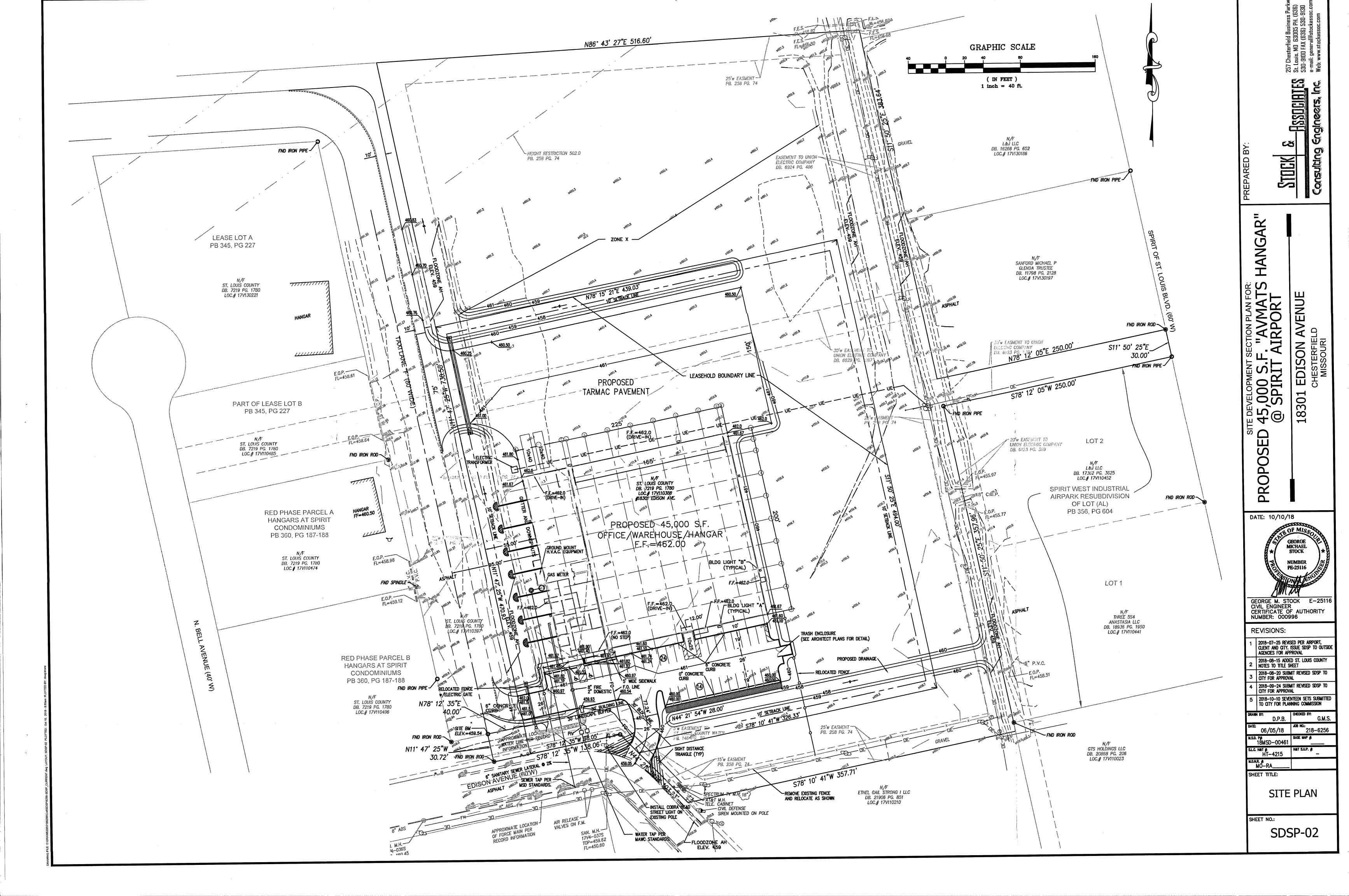
SURVEYOR'S CERT

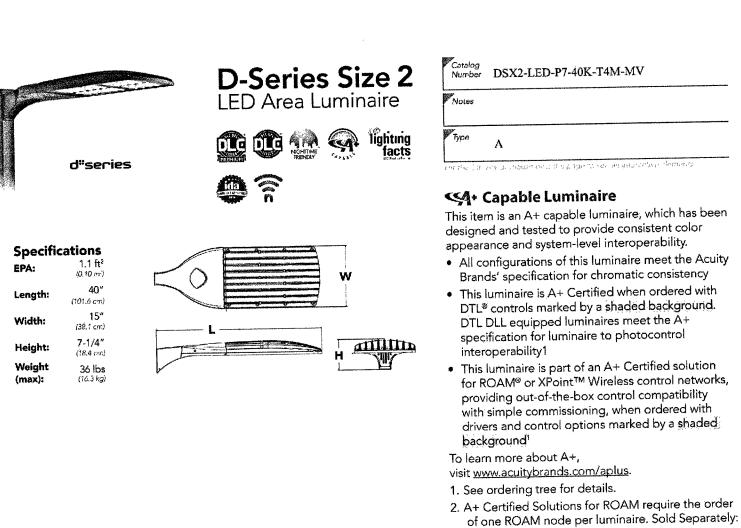
THIS IS TO CERTIFY THAT STOCK AND ASSO INC. HAS PREPARED THIS SITE DEVELOPMEN SURVEY AND DOES NOT REPRESENT A PROF SITE DEVELOPMENT SECTION PLAN IS A COR EXISTING AND PROPOSED LAND DIVISIONS.

> STOCK AND ASSOCIATES CONSUL L.S. No. 222-D

CABLE SERVICE

ELOPMENT SECTION PLAN PARKING CALCULATIONS BUILDING AREA DATA: HANGAR: 35,133 S.F. WAREHOUSE: 5,370 S.F. OFFICE: 4,497 S.F. REQUIRED PARKING: (MINIMUM) OFFICE: 3.3/1,000 GFA = 3.3/1,000 x 4,497 = 14 SPACES WAREHOUSE/HANGAR: 2 SPACES FOR EVERY 3 EMPLOYEES ON THE MAXIMUM SHIFT (25 EMPLOYEES = 16 SPACES) TOTAL PERMITTED (MINIMUM): 30 SPACES (MAXIMUM) OFFICE: 4.5/1,000 GFA = 4.5/1,000 x 4,497 = 20 SPACES WAREHOUSE/HANGAR: 1.2 SPACES PER EMPLOYEE ON THE MAXIMUM SHIFT (25 EMPLOYEES = 30 SPACES) TOTAL PERMITTED (MAXIMUM): 50 SPACES TOTAL PROVIDED: 38 SPACES (2 ACCESSIBLE) REQUIRED LOADING: 10x40 LOADING SPACE (2) 10x25 LOADING SPACE (1) TOTAL REQUIRED: 3 SPACES TOTAL PROVIDED: 3 SPACES TOTAL PROVIDED: 3 SPACES	STOCK State STOCK State State State St
AND LEASEHOLD AREA: 214,623 S.F. BULDING AREA: 45,000 S.F. F.A.R.: (45,000 / 214,623) 0.21 VEHICLE PAVEMENT AREA: 63,555 S.F. PERCENT OPENSPACE: [(214,623 - (45,000+63,555)) / 214,623] x 100 = 49,423 AND " AND 'X' the owner(s) of the property AND 'X' " BULDING AREA: TOTO TO Coperation the plan for and in consideration of being granted approval of said plan to develop property under the provisions of section 03. DECENDE BY Code, do hereby agree and declare that said property from the date or recording this plan shall be developed only as shown thereon, unless said plan is amended by the City of Chesterfield Council. ENGINEER D SEC HARCE D BE (Signature): THE STATE OF MISSOURI SS. COUNTY OF ST. LOUIS)<	PROPOSED 45,000 S.F. "AVMATS HANGAR" © SPIRIT AIRPORT 18301 EDISON AVENUE CHESTERFIELD MISSOURI
BUSINESS Notary Public ROMANCE OF OF SAINT LOUIS Print Name Notary Public Print Name INTERS AND FINAL My commission expires: DATERS DED AS SECTION This Site Development Section Plan was approved by the City of Chesterfield Planning commission and duly werlided on theday of of 2018, by the Chalperson of seld Commission, authorizing the recording of this Site Development Section Plan was approved by the City of Chesterfield Planning commission of add Commission, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Continuer Justin Wyse, AICP Director of Planning and Development Services City of Chesterfield, Missouri My commission approved by the City of Chesterfield, Missouri WIGHERS, NG, WERT BOUNDARY SURVEY. THIS RECT REPRESENTATION of AL WIGHERS, NG, WIGHERS, WIGHERS, WIGHER	DATE: 10/10/18 OF MISSOC GEORGE M. STOCK E-25116 CIVIL ENGINEER CERTIFICATE OF AUTHORITY NUMBER: 000996 REVISIONS: 1 2018-07-25 REVISED PER AIRPORT, CLENT AND CITY. ISSUE SDSP TO OUTSIDE AGENCIES FOR APPROVAL 2 2018-08-15 ADDED ST. LOUIS COUNTY NOTES TO TITLE SHEET 3 2018-08-20 SUBMIT REVISED SDSP TO CITY FOR APPROVAL 4 2018-09-24 SUBMIT REVISED SDSP TO CITY FOR APPROVAL 5 2018-10-10 SEVENTEEN SETS SUBMITTED TO CITY FOR PLANNING COMMISSION DRAWN BY: D.P.B. CHECKED BY: C.M.S. DATE: 06/05/18 DATE: 07/05/05/05/05/05/05/05/05/05/05/05/05/05/





A+ Capable options indicated by this color background.

	a Alexandra and data for the second	KILDT I. KIN	r / Articles, Mar - Articles, Articles, Articles, Articles, Articles, Articles, Articles, Articles, Articles, A	12 12 19 Sector States of the World States of the). 1993: Anno Ann			ut fill filler		i
SX2 LED	Forward optics P1 P5 P2 P6 P3 P7 P4 P8 Rotated optics' P10 P13 P11 P14 P12	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phospho converte	115 T25 T2M T35 T3M T35 T3M T4M TFT	Type IV Medium	TSVS TSS TSM TSW BLC LCCO RCCO	Type V Very Short Type V Short Type V Medium Type V Wide Backl'ght control ²³ Left corner cutoff ²³ Right corner cutoff ²³	MV0LT 4.3 120 ⁶ 208 5.6 240 5.6 277 ⁶ 347 5.67 480 5.47	Shipped inclu SPA RPA WBA SPUMBA RPUMBA Shipped sepa KMAB DDBXD	Souare pole mo Round pole mo Wall bracket Square pole uni Round pole uni stately	unting iversal mounting adaptor ^a versal mounting adaptor ^a nting bracket adaptor
PER N PERS Fi PER7 S DMG 0 e e DS D PIRH B	talled Light AiR generation 2 enabled ¹⁰ IEMA twist-lock receptacle only (n ive w re receptacle only (no contro even-wire receptacle only (no con- I-10V dimming extenc out bark of xternal controi (no controis) Dual switching ^{3,14} Bi-level, motion/ambient sensor, 1 regint, ambient sensor enable at 5 Vetwork, Bi-Level motion/ambient	5:5) ^{11,17} trols) ¹¹⁻⁷ ' Housing for 5-30' mounting fc ¹¹⁵	PIRH1FC3V BL30 BL50 PNMTDD3 PNMT5D3 PNMT5D3 PNMT6D3 FAQ	Bi level, motion sens height, ambient sens Bi-level switched cin Bi level switched cin Part eight, dim till de Part night, dim 5 hrs Part night, dim 6 hrs Part night, dim 7 hrs Held Adjustable Cut	or enabled iming, 30' iming, 50' wei ^{5,18} s,18 s,18 s,18 s,18	2 at 1/(2 ³¹² HS % 51517 SF % 51517 DF L90 R90	Left rotated opt Right rotated o pped separately Bird sorkes ⁷¹	0, 277, 347V) ⁶ 18, 240, 480V) ⁶ ILS ptics	DBLXD DNAXD DWHXD	Dark bronze Black Natural a um num White Textured dark bronze Textured black Textured natural aluminum Textured white

Link to Roam; Link to DTL DLL

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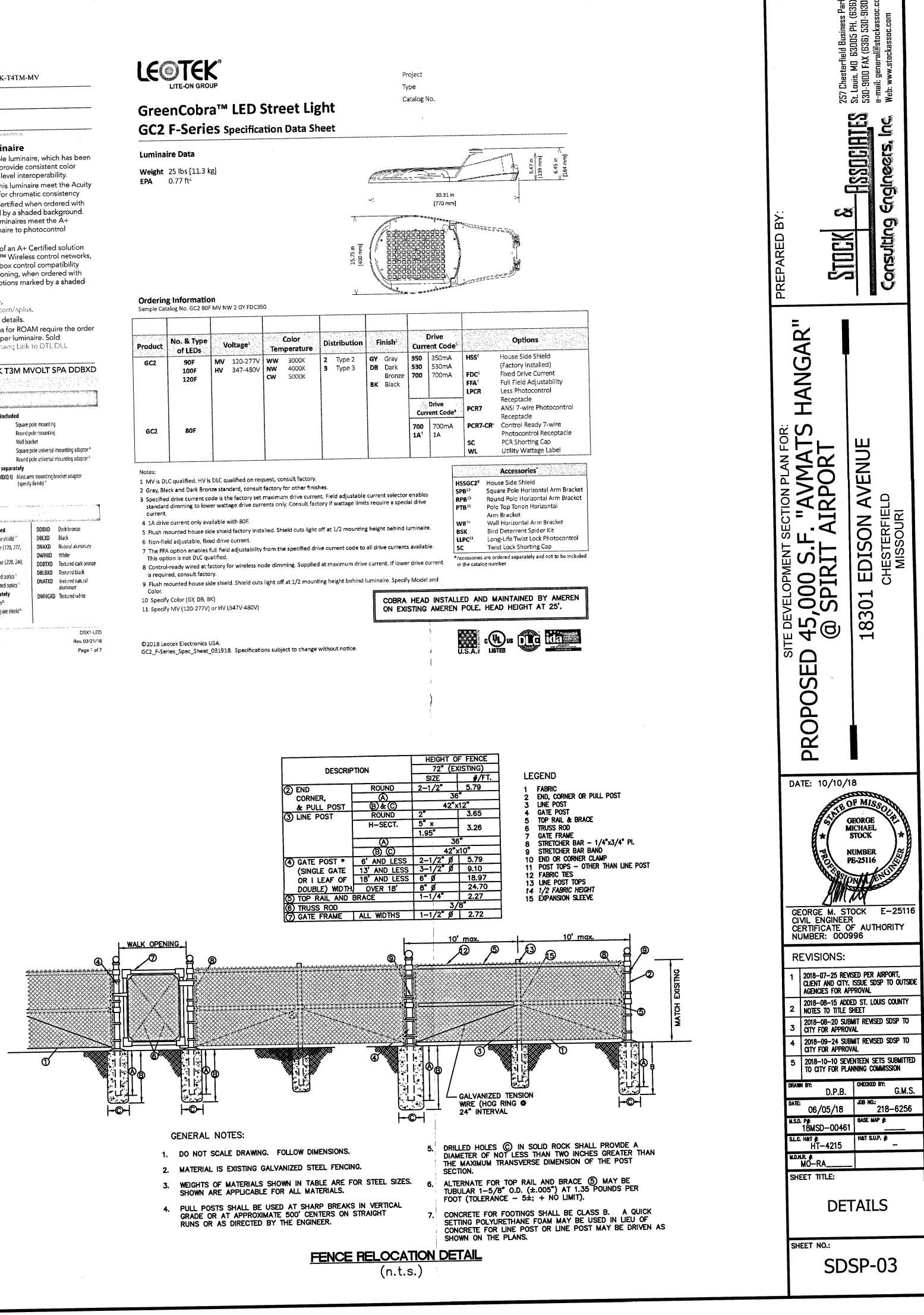
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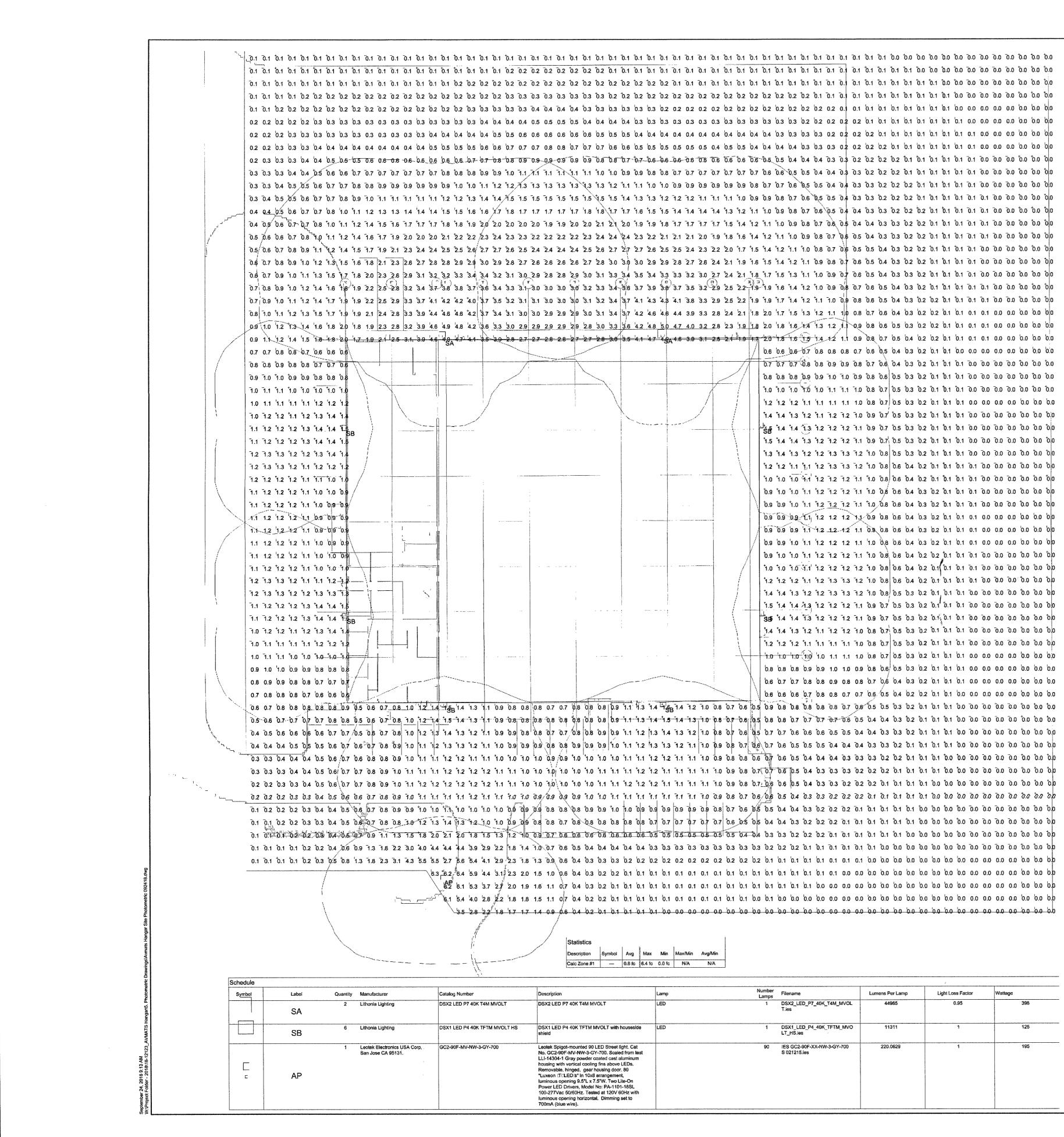
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TE			es Size 1	Catalog Number DSX1-LE	D-P4-40K-T4TM-N	MV		DTER		
H	-	LED Area	Luminaire	Туре			Gree	nCobr	'a™ LED S	Street Li
			lighting facts	B	19516 semult in Abreiten ofmerstei		GC2	F-Serie	es Specifica	tion Data S
Specific EPA:	1.01 ft ² (0.09 m ⁴)	0 T	W	 Capabl This item is an A designed and te appearance and All configurati Brands' specifier 	e Luminaire + capable luminai sted to provide co system-level inter ions of this lumina fication for chroma	roperability. ire meet the Acuity atic consistency		re Data 25 lbs [11.3 l 0.77 ft ²	kg]	
Length: Width: Height: Weight (max):	(83.8 cm) 13" (33.0 cm) 7-1/2" (19.0 cm)	L		DTL® controls DTL DLL equi specification f interoperabili • This luminaire for ROAM® o providing out with simple c drivers and cc background To learn more a	e is part of an A+ (r XPoint™ Wireles -of-the-box contro ommissioning, wh ontrol options mar	ded background neet the A+ notocontrol Certified solution as control networks, ol compatibility nen ordered with rked by a shaded	Orderinş Sample Cata	5 Informatic alog No. GC2 801	DN F MV NW 2 GY FDC35	0
				1. See ordering	tree for details.	M require the order				
	apable options indicated			of one ROA	M node per lumina Ink to Roam; Link	aire. Sold	Product	No. & Type of LEDs	Voltage ¹	Color Temperature
by th	is color background.		EX	AMPLE: DSX1 LED	P7 40K T3M M	VOLT SPA DDBXD	GC2	90F 100F 120F	MV 120-277V HV 347-480V	WW 3000K NW 4000K CW 5000K
		anna an			a la de la compañía br>En la compañía de la c	de para de la constante de constante de constante de la constante de la constante de la constante de la constan				
DSX1 LED	Forward optics P1 P4 P7 P2 P5 P8 P3 P6 P9 Rotated optics	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted ²	T2S Type II short T5M T5M T2M Type II medium T5W T T3S Type II short BLC H T3M Type II medium T	control ²³ 277 °	RPA Round p WBA Wall bra SPUMBA Square p	oole mounting xxle mounting xxket pole universal mounting adaptor * pole universal mounting adaptor *	6C2	80F		
	P10 ¹ P12 ¹ P11 ¹ P13 ¹	ha gaya sana s	TFTM Forward throw RCCO F	Left corner 347 5.67 cutoff ^{2,3} 480 5.67 Right corner cutoff ^{2,3}	Shipped separately KMA8 DOBXD U Mast arr	m mounting bracket adaptor finish) "	2 Gray, Bla	ck and Dark Bro	is DŁC qualified on rec nze standard, consult ode is the factory set	factory for other fi
	ب انک محمد میں بادی ولی		a ser a construction de la serie de la construction de la construction de la construction de la construction de La construction de la construction d		· Data	· · · · · · · · · · · · · · · · · · ·	s specified standard current.	dimming to low	ver wattage drive curr	ents only. Consult
				rior /ambient sensor, 15–30' Shij eight, ambient sensor HS If C SUL 6 SE	p ped installed House-side shield ⁷ Single fuse (120, 277,	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum	5 Flush m 6 Non-fiel	ounted house si d adjustable, fix	vallable with 80F. Ide shield factory insta Red drive current. full field adjustability	
	nLight AIR generation 2 enabled ¹⁰	to ordered constate) 1		itched d mming, 30% *14.14	347V) ° Davida Franci (200, 240	DWHXD White	This opti	ion is not DLC qu	ualified. factory for wireless no	de dimming. Suppl
NLTAIR2 PER PER5 PER7 DMG	nLight AIR generation 2 enabled ³⁶ NEMA twist-lock receptacle only (control Five-wire receptacle only (controls orden Seven wire receptacle only (controls ord 0-10V dimming extend out back of hom	red separate) ^{11, 2} lered separate) ^{11,12}	BLSO Bi-level swi PNMTDD3 Part night, c PNMTSD3 Part night, c		480V) * Left rotated optics (DDBTXD Textured dark bronze DBLBXD Textured black DNATXD lextured natural auminum	is requir	ed, consult facto	ory. ide shield. Shield cuts	light off at 1/2 mo
NLTAIR2 PER PER5 PER7 DMG DS PIR PIRH PIRHN	nLight AIR generation 2 enabled ³⁶ NFMA twist-lock receptacle only (control Five-wire receptacle only (controls orden Seven wire receptacle only (controls ord 0-10V dimming extend out back of hom Dual switching ^{13,14} Bi-level, motion/ambient sensor, 8–15 m Bi-level, motion/ambient sensor, 15-30 m Network, Bi-Level motion/ambient sensor,	red separate) ^{11, 2} lered separate) ^{17,17} sing for external control (leads exit Fxt lounting height, ambient sensor enabled mounting height, ambient sensor enable or ¹⁷	Lurc) BL50 Bi-level swi PNMTDD3 Part night, c PNMT5D3 Part night, c PNMT6D3 Part night, c PNMT6D3 Part night, c PNMT7D3 Part night, c ed at Sfc ^{STND} FAO Field adjust	dim til dawn ^{2.5} dim 5 hrs ^{5,10} L90 dim 6 hrs ^{5,10} R90 dim 7 hrs ^{5,19} Shi table output ²⁰ BS	480V) [«]	DBLBXD Textured black	is requir 9 Flush m Color. 10 Specify	ed, consult facto ounted house si Color (GY, DB, E	ide shield. Shield cuts	light off at 1/2 mc
NLTAIR2 PER PER5 PER7 DMG DS PIR PIRH PIRHN	nLight AIR generation 2 enabled ¹⁶ NEMA twist-lock receptacle only (control Five-wire receptacle only (controls ordern Seven wire receptacle only (controls ordern O-10V dimming extend out back of horse Dual switching ^{18,16} Bi-level, motion/ambient sensor, 8–15°m Bi-level, motion/ambient sensor, 15–30°n Network, Bi-Level motion/ambient sensor, 8–15°m	red separate) ^{11, 2} lered separate) ^{11, 17} sing for external control (leads exit fixt nounting height, ambient sensor enabled mounting height, ambient sensor enabled pa ¹⁷	ture) BL50 Bi-level swi PNMTDD3 Part night, c PNMT5D3 Part night, c PNMT6D3 Part night, c PNMT6D3 Part night, c PNMT7D3 Part night, c PNMT7D3 Part night, c FAO Field adjust d at 1fc ^{5, 5,15}	dim 1 ii dawn ² ⁵ dim 5 hrs ^{5,19} dim 6 hrs ^{5,19} dim 7 hrs ^{5,19} table output ²³ EGS	480V) ^{<} Left rotated optics ¹ Right rotated optics ¹ pped separately Bird spikes ³²	DBLBXD Textured black DNATXD lextured natural aluminum	is requir 9 Flush m Color. 10 Specify 11 Specify ©2018 Lec	ed, consult facto ounted house si Color (GY, DB, E MV (120-277V)	ide shield. Shield cuts BK)) or HV (347V-480V)	

LIGHTING DETAILS

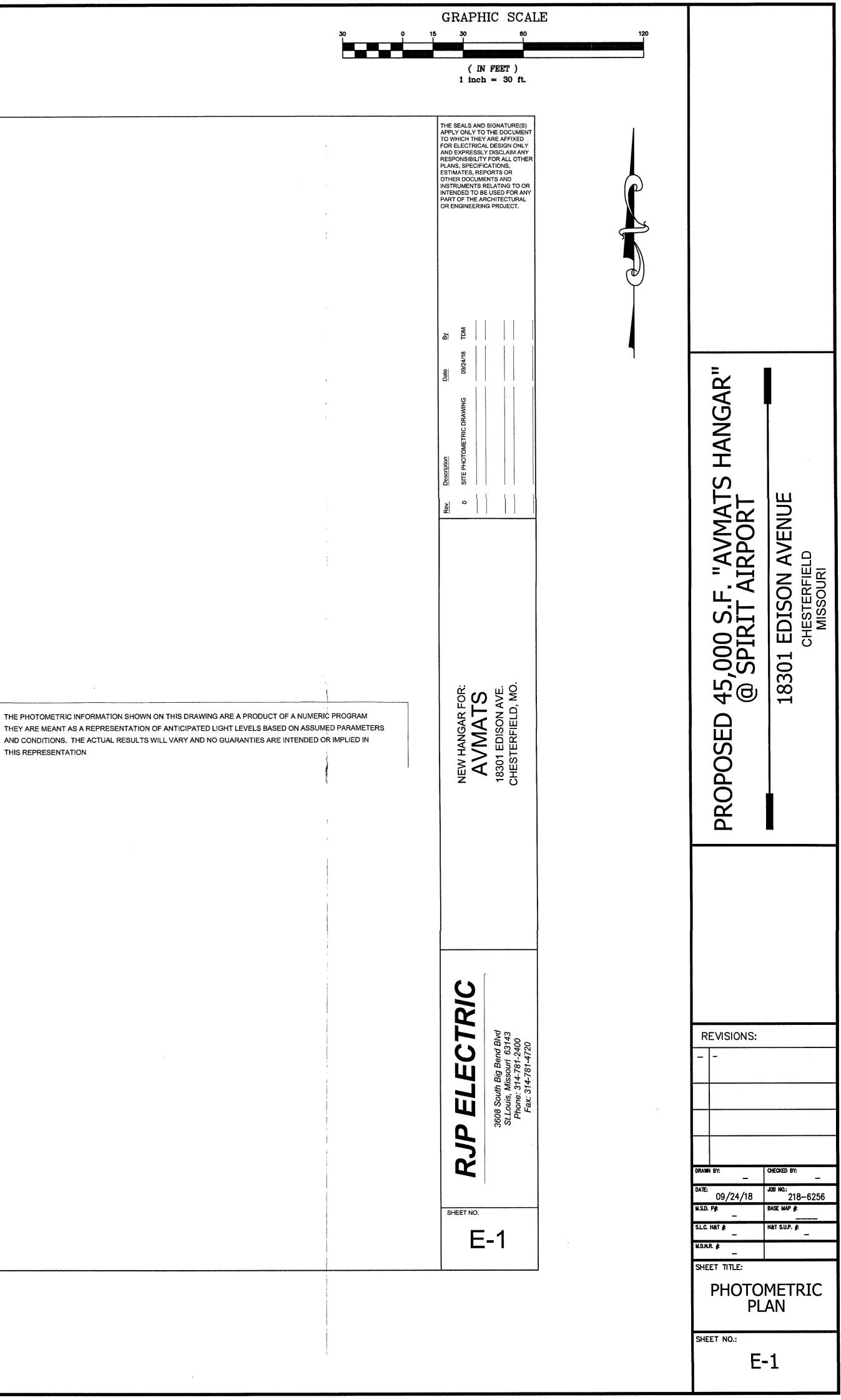
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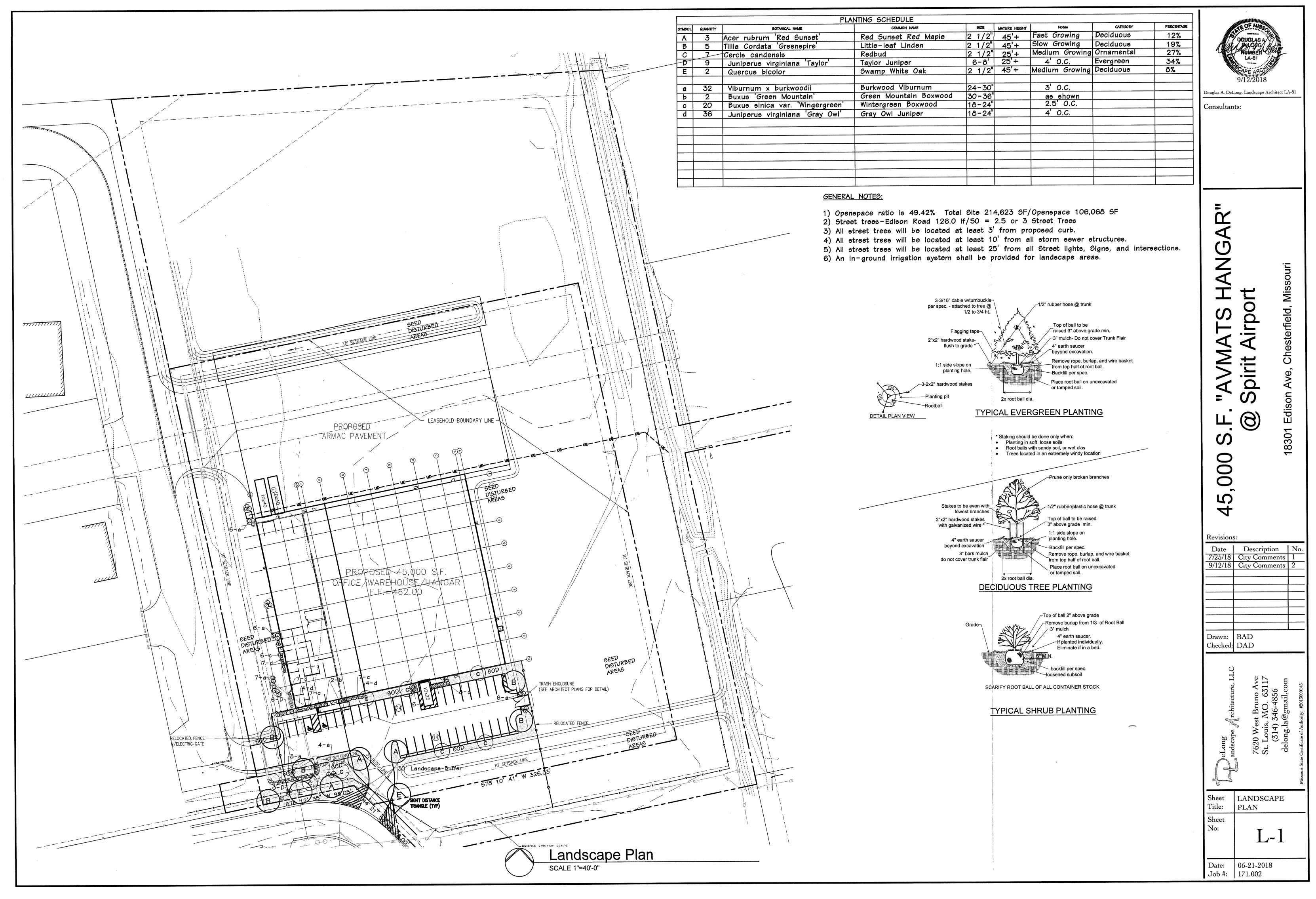




					2	
	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Watlage
	LED	1	DSX2_LED_P7_40K_T4M_MVOL T.ies	44965	0.95	398
n houseside	LED	1	DSX1_LED_P4_40K_TFTM_MVO LT_HS.les	11311	1	125
light. Cat led from test aluminum e LEDs. 57. 80 ont, Lite-On 01-18SL 60Hz with g set to		90	IES GC2-90F-XX-NW-3-GY-700 S 021215.ies	220.0629	1	195

THIS REPRESENTATION





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