



AGENDA
ARCHITECTURAL REVIEW BOARD MEETING
Conference Room 102-103
Thursday, April 10, 2025
5:30 PM

I. CALL TO ORDER

II. APPROVAL OF MEETING SUMMARY

A. **March 13, 2025**

III. UNFINISHED BUSINESS

IV. NEW BUSINESS

- A. **Dierbergs The Market Place (Billy G's):** An Architectural Specialty Lighting Package for an 11.35-acre tract of land zoned "C8" – Planned Commercial District, located on the northeast side of Clarkson Road, southwest of its intersection with Baxter Road.
- B. **Long Road Lipton Parcel, Lot 8:** A Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for a medical office building located on a 3.16-acre tract of land located east side of Chesterfield Industrial Blvd., zoned "PI"-Planned Industrial.

V. OTHER

VI. ADJOURNMENT

*PC Liaison Allison Harris is scheduled for this meeting

PERSONS REQUIRING AN ACCOMMODATION TO ATTEND AND PARTICIPATE IN THE ARCHITECTURAL REVIEW BOARD MEETING SHOULD CONTACT CITY CLERK VICKIE MCGOWND AT (636)537-6716 AT LEAST TWO (2) BUSINESS DAYS PRIOR TO THE MEETING.



THE CITY OF CHESTERFIELD
ARCHITECTURAL REVIEW BOARD
THURSDAY – MARCH 13, 2025
5:30 PM
CONFERENCE ROOM 102/103

ATTENDANCE:

Mr. Mick Weber, Chair
Mr. Scott Starling, Vice-Chair
Mr. Doug DeLong
Mr. John Lavrich
Mr. Kristopher Mehrrens

ABSENT:

Ms. Susan Lew
Mr. Matt Adams

ALSO IN ATTENDANCE:

Councilmember Merrell Hansen
Councilmember Dan Hurt
Planning Commission Liaison, Walter Bilgram
Ms. Alyssa Ahner, Senior Planner/Staff Liaison
Mr. Isaak Simmers, Planner
Ms. Kristine Kelley, Recording Secretary

I. CALL TO ORDER

Chair Weber called the meeting to order at **5:30 p.m.**

II. APPROVAL OF MEETING SUMMARY

A. February 13, 2025

Vice-Chair Starling made a motion to approve the meeting summary as written. Board Member Lavrich seconded the motion. **The motion passed by a voice vote of 5-0.**

III. UNFINISHED BUSINESS - No unfinished business at this time.

IV. NEW BUSINESS

- A. Spirit of St. Louis Air Park 18600 Edison Ave (West Terminal):** An Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a 0.71-acre leasehold area located on a 93.74-acre tract of land zoned "M3"- Planned Industrial District west of Turbine Avenue, at the end of Edison Avenue.

STAFF PRESENTATION

Mr. Isaak Simmers, Planner explained that the applicant is requesting demolition and new construction of approximately 17,500 square feet in size hangar/office building.

Trash Enclosure

The proposed 20 x 10-foot trash enclosure will be screened using aluminum louvered panels with steel capped hinge posts bolted to the concrete pad. The enclosure will be large enough to contain two (2) average sized commercial trash receptacles.

Mechanical Equipment

The proposed rooftop mechanical equipment screening will be comprised of black anodized metal.

Materials & Color

The structure will be comprised of metal framing with a fastened metal paneling system. The business portion of the structure will be comprised of dark gray metal panels with insulated glass windows that extends to the storage portion of the building creating a cohesive look.

Landscape Design

Landscaping elements will be limited to deter attracting wildlife. Sod is being provided around the new construction, and charcoal gray planter boxes containing 'Hakone Grass' have been included for decoration. The planter boxes will line along the east façade facing the parking area and along the entrance vestibule.

Lighting

The applicant has submitted a site photometric plan referencing seven (7) pre-existing pole lights located within significant proximity to the proposed demolition and new construction.

Color and material samples were provided and project representation was available to answer any questions from the Board.

DISCUSSION

During discussion the following information was provided.

- The existing structure will be fully demolished. The parking lot to remain but will be resurfaced and restriped.
- The roof will be internally drained.
- Verification that the rooftop mechanical equipment will be screened upon approach from public view on Edison Avenue. Suggestion to provide a sight-line diagram.
- The Board complimented the owner and petitioner for a well-designed structure. The project provides vast improvements to what currently exists on site.

Motion

Vice-Chair Starling made a motion to forward **Spirit of St. Louis Air Park 18600 Edison Ave (West Terminal)** to Planning Commission with a recommendation of approval with the following condition:

- Provide a sight-line diagram verifying that the rooftop mechanical equipment will not be visible from public view.

Board Member Mehrtens seconded the motion. **The motion passed by a voice vote of 5-0.**

- B. Wildhorse Village, Lot 2B-2 (Audere II):** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 0.69-acre tract of land zoned "PC&R" – Planned Commercial and Residence District located southeast of the intersection of Parkview Terrace and Wildhorse Lake Blvd.

STAFF PRESENTATION

Ms. Alyssa Ahner, Senior Planner explained that the request is for construction of a new 16-unit multi-family building roughly 62' in height, containing a 32-space internal parking garage and hidden from the public eye. Ms. Ahner further provided current status of the Wildhorse Village development.

Circulation & Access

The site is accessed by one shared curb cut off Wildhorse Lake Blvd which has already been constructed as part of the construction for the condo to the west. All vehicular access will utilize this drive for tenant parking, loading and trash.

Topography & Retaining Walls

Due to the amount of slope from north to south, the south side of the building features an exposed foundation wall. The concrete will be stained to match the building's accent brick and formliner has been selected to give the wall texture and interest.

Materials, and Color

The building is primarily two (2) different colors of brick. Accents of wood siding are provided on all (4) four elevations. The proposed building materials are the same as what was approved on the adjacent condo building.

Mechanical Equipment

The ordinance requires rooftop mechanical equipment within architecturally designed, fully enclosed penthouses that complement the building design.

- ***Modification Request*** - *The applicant does not have a fully enclosed penthouse but is proposing to screen the rooftop equipment on all visible sides with materials that are an integral part of the architecture.*

Landscape Design

The site contains a mixture of canopy, evergreen, and deciduous understory trees along with deciduous and evergreen shrubs.

Trash Enclosure

A portion of the trash enclosure is incorporated into an extension of the sculptural foundation wall. The remaining side and gate enclosure are painted wood slat screening to provide an easily maintainable and design compatible enclosure.

Lighting

Fixtures have been chosen to be consistent with what was chosen for the adjacent condo building.

Color and material samples were provided and a project representative was available to answer any questions from the Board.

DISCUSSION

During discussion the following information was provided.

- The new building will mirror the adjacent condominium to the west.
- No concerns with the proposed landscape plan. Similar materials will be added.
- It was confirmed that due to topography and height of the proposed unit, the mechanical equipment will not be visible.
- With the requested Modification Request, it was noted that site-specific Ordinance 3161 governs the entire Wildhorse Village development, requiring that rooftop mechanical equipment be *“architecturally designed, fully enclosed penthouses that complement the building design”*.
- Ms. Ahner provided future construction information for Lot 2C to be located east of the site. Construction images of Lot 2B-1 were also provided.

Motion

Board Member Mehrrens made a motion to forward **Wildhorse Village, Lot 2B-2 (Audere II) as presented to include the Modification Request**, to Planning Commission with a recommendation of approval. Vice-Chair Starling seconded the motion. **The motion passed by a voice vote of 5-0.**

V. OTHER

VI. ADJOURNMENT 6:05 p.m.

Architectural Review Board Staff Report

Meeting Date: April 10, 2025

From: Shilpi Bharti, Planner *SB*

Location: 1772 Clarkson Road

Description: **Dierbergs the Market Place (Billy G's)**: An Architectural Specialty Lighting Package for a 11.35-acre tract of land zoned "C8" – Planned Commercial District, located on the northeast side of Clarkson Road, southwest of its intersection with Baxter Road.

PROPOSAL SUMMARY

Billy G's, on behalf of Dierbergs Chesterfield Village Inc., has submitted an Architectural Specialty Lighting Package for Dierbergs the Market Place subdivision. The applicant is requesting approval to install an LED light strip on the canopy and tower of the existing Billy G's tenant space, located in an outlot building.

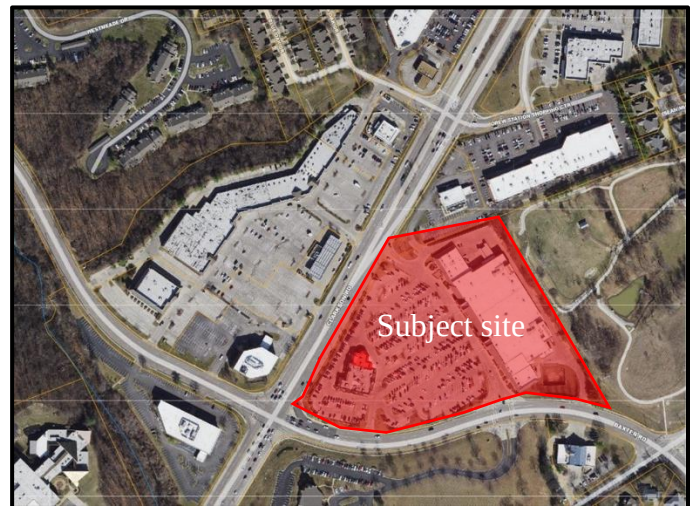


Figure 1: Subject Site

HISTORY OF SUBJECT SITE

The subject site is zoned C8- Planned Commercial District. The site is bordered by park on the east, church on the south, and commercial strip to the west and north. The site was originally developed in 1987 under St. Louis County Ordinance 13,306, which has since been amended to modify the permitted uses within the C8 district. The current governing ordinance is City of Chesterfield Ordinance 2950.

In 2011, a Partially Amended Landscape Plan for Dierbergs the Market Place was approved, covering portions of the landscape area for the outlot building. In 2021, an Amended Site Development Section Plan was approved, which included modifications to the outlot building's tenant space for the proposed Billy G's restaurant.

The sign package for the development was submitted and approved in 2017. The sign package included modification to the Dierberg's building attached wall signs. In 2023, a sign package of the subdivision was amended to include one (1) blade sign (projected sign) on the outlot building for the Billy G's restaurant.

ARCHITECTURAL SPECIALTY LIGHTING PACKAGE

The Unified Development Code (UDC) allows for Architectural Specialty Lighting Packages (Sec. 31-04-03.C). The purpose is to provide comprehensive, complementary and unified architectural specialty lighting throughout a single development or contiguous lots under common ownership. In order to encourage superior design, quality and character, comprehensive architectural specialty lighting packages allow for specialized review of architectural specialty lighting and flexibility from standard site lighting requirements.

The UDC provides several considerations for Architectural Specialty Lighting Packages which can be found below:

- **Architectural specialty lighting should highlight and accentuate traditional building detailing and architectural features. Additionally, precise lighting applications should highlight distinctive architectural features.**
- **The color temperature of architectural specialty lighting should underscore the building materials and character. Any non-traditional colors are limited to one change within a 24-hour time period. Additionally, architectural specialty lighting should be unobtrusive in intensity and should not turn a building into an attention-getting device or blanket signage.**
- **All proposed light fixtures should be permanently mounted.**
- **Architectural specialty lighting shall not interfere with or obscure the public's capacity to receive information, or cause visual confusion by interfering with pedestrian or vehicular traffic. Architectural specialty lighting shall conform to the character of the community, enhance the visual harmony of development, and preserve the public health, convenience, welfare and/or safety within the City of Chesterfield by maintaining the high aesthetic quality of the community.**

The applicant also provided a narrative statement outlining the design intent and how each of the above points aligns with the proposed Architectural Specialty Lighting. The narrative statement is attached to this report.

STAFF ANALYSIS

The proposed tenant space, Billy G's, has LED strip lights installed on the vestibule roof and canopy. The tenant was informed that the installed lights are non-traditional and that an architectural specialty lighting package is required for approval. Therefore, the applicant submitted an Architectural Specialty Lighting Package to authorize the installation of LED strip lights on the vestibule roof, and canopy of the Billy G's tenant space in the outlot building. The lights are already installed but are currently turned off and will be activated once the lighting package is approved.

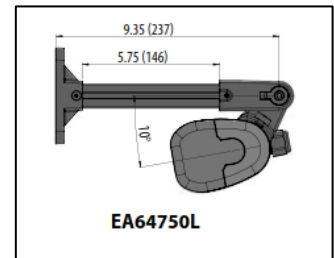


Figure 2: Mounting fixture

The proposed LED strip will be installed using two (2) different fixtures for the vestibule roof canopy, and sign band. The LED strip on the vestibule roof will be mounted with knuckle mounting accessories, which will angled downward to prevent light trespass. The LED strip on the canopy will consist of a flexible, bendable light strip.



Figure 3: Architectural Specialty lighting on building (night view, and day view)

DEPARTMENTAL INPUT

Staff is requesting a recommendation from the Architectural Review Board (ARB) on the Specialty Lighting Package proposed for Dierbergs the Market Place (Billy G's). All recommendations made by the ARB will be included in Staff's report to the Planning Commission. Attached is the architectural specialty lighting package submittal containing the site elevations with the application of lighting on the facades, additional pictures of night time, lighting cut sheet, surrounding pictures, and the architect's statement of design.

MOTION

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

- 1) "I move to forward the Architectural Specialty Lighting Package for Dierbergs the Market Place (Billy G's), as presented, with a recommendation for approval (or denial)."
- 2) "I move to forward the Architectural Specialty Lighting Package for Dierbergs the Market Place (Billy G's), with a recommendation for approval with the following conditions..."

Attachments

1. Architectural Specialty Lighting Package

memorandum

City of Chesterfield, Missouri
Re: Planning Commission – Lighting Compliance

From: David Raver/ Lighting Designer

Project No.: R3006.421.02

File No.(s):

Date: April 3, 2025

Project Name: Billy G's Finer Diner – After Dark

Subject: Exterior Lighting

Copes to: Keith Vinyard

Per the City of Chesterfield Ordinance, citing Chapter 405 Unified Development Code and Article 04 Development Requirements and Design Standards Section 405.04.030 Lighting Standards, we are pleased to submit this memorandum explaining compliance of the newly proposed lighting at Billy G's Finer Diner located at 1772 Clarkson Road in Chesterfield, Missouri. The following submittal outlines proposed architectural specialty lighting and addresses the requirements in Section 405.04.030, Paragraph C – Architectural Specialty Lighting Package Submittals- specifically the requirements outlined in subparagraph 11.

The lighting design team was tasked by the owner, Mr. Gianino, to help better identify his new location visually to drivers traveling north and south on Clarkson Road. Mr. Gianino's new establishment took over the corner tenant space of the frontage building owned by Dierbergs. The architectural aesthetic of the frontage development is fairly non-descript and matched the coloring and architectural style of the Dierbergs Market store to the east. It was Mr. Gianino's desire to bring a stronger branding statement to this location and provide brand recognition through the use of his corporate red color found in his existing signage and menus.

The RDG Lighting Team is proposing a solid red “banding” around the unique curvature of the north roof line utilizing a solid red LED illuminated tape and channel system with diffused, frosted lensing. The lighting designer also mocked-up and is proposing fully shielded, narrow optic LED linear downlight fixtures with a static RED color from the top of the architectural feature wall to create a wash of light on the new vertical tower element finished in a satin stainless steel. The red color proposed for both the accent band and the wall wash are unique to this area and were selected after an on-site mock-up to verify that it didn't overwhelm or distract drivers on Clarkson, nor create any lighting trespass or glare off of the property.

We believe that the final design solution is in compliance with the requirements of the lighting ordinance Section 405.04.030 Lighting Standards as follows:

- PARAGRAPH C – Architectural Specialty Lighting
 - ITEM 2 – Lighting highlights and accentuates building detailing and architectural features
 - ITEM 3 – Color temperature (RED) of the lighting underscore's the building's materials and character
 - ITEM 4 – Non-traditional colors (RED) are used – but no color changing controls are provided.
 - ITEM 5 – Precise lighting locations highlight distinctive architectural features
 - ITEM 6 – All lighting fixtures are permanently mounted
 - ITEM 7 – Specialty lighting is unobtrusive in intensity
 - ITEM 8 – Specialty lighting does not interfere or obscure the public's capacity to receive information
 - Lighting enhances the visual harmony of the development and does not impact welfare or safety
 - Lighting meets the existing aesthetic of the community
 - A similar lighting approach is used in a business on the west side of Clarkson
 - ITEM 9 – The new lighting promotes superior design and enhances the architectural aesthetic
 - The new lighting is reminiscent of similar lighting techniques typically applied to diners nationwide

- ITEM 10 – The new lighting does not result in any lighting trespass or glare

Cutsheets of the two products utilized in this installation are included for reference. Installation photos of the completed installation will also be provided for reference.

Additional questions or concerns may be addressed to the lighting designer as noted below:

David Raver, IALD, MIES, LC
Lighting Studio Leader
RDG Planning & Design
7415 Manchester Rd,
Saint Louis, MO 63143
draver@rdgusa.com





EXTERIOR RENDERINGS



CONCEPTUAL RENDERING ENTRANCE



CONCEPTUAL
RENDERING
NORTH

NOTE: Rendering for concept example only and is not a guarantee or representation of final results.







NEON BLAZE™

Diffused LED Lighting

Specification Sheet

NEON BLAZE™ 24V

Diffused LED Lighting

Diffused, neon-like LED lighting with top-bending and side-bending options.
Available in static white and colors, and suitable for wet locations (IP65).



FEATURES

- Fully diffused, dotless light
- Top-bending and side-bending options with multiple output levels
- IP65 for wet locations and UV stabilized for outdoor use
- Ideal for coves and other architectural details
- 5 Year limited warranty



ORDERING CODES

Order spools, and components for field assembly

OPTIONAL ORDERING CODES

Add Length, Assembly Preferences, Finish, Mounting, Driver, and Delivery

	Voltage	Bend Style	Model	CCT		Length	Channels	Finish	Mounting	Driver		Delivery
DI	DI-24V	TE	NBL2	RD		XXF						
	24V (24V Volt)	SE (Side Emitting) TE (Top Emitting)	NBL1 NBL2 NBL4	27 (2700K)	GL (Amber)	016 (16 feet)	MTCH (Neon Top Bend)	AL (Aluminum)	TUC (Top U-Clip) BUC (Bottom U-Clip)	ELV (Electronic)	O/O (On / Off)	Field Assembly
				30 (3000K)	BL (Blue)	32 (32 feet)	SPN (Neon Top Spine)			010 (0-10V)	SWX (Switchex)	Factory + Field (Hybrid)
				35 (3500K)	GR (Green)	65 (65 feet)	MTCH (Neon Side Bend)				PoE (Power over Ethernet)	
				42 (4200K)	PK (Pink)	29.93F	SPN (Neon Side Spine)				LUT (Lutron)	
				63 (6300K)	RD (Red)	5.65F						
						31.9F						
						21.24F						

NEON BLAZE™ - SPECIFICATION TABLE

Models	24V-SE-NBL1	24V-SE-NBL2	24V-SE-NBL4	24V-TE-NBL1	24V-TE-NBL2	24V-TE-NBL4
Voltage	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
Wattage	1.22W/ft.	2.44W/ft.	4.4W/ft.	1.22W/ft.	2.44W/ft.	4.4W/ft.
Lumens	2700K	62 Lm/ft.	134 Lm/ft.	208 Lm/ft.	86 Lm/ft.	173 Lm/ft.
	3000K	65 Lm/ft.	146 Lm/ft.	198 Lm/ft.	102 Lm/ft.	219 Lm/ft.
	3500K	60 Lm/ft.	120 Lm/ft.	195 Lm/ft.	89 Lm/ft.	155 Lm/ft.
	4200K	-	120 Lm/ft.	-	-	-
	6300K	59 Lm/ft.	116 Lm/ft.	173 Lm/ft.	88 Lm/ft.	145 Lm/ft.
	Amber	31 Lm/ft.	61 Lm/ft.	84 Lm/ft.	70 Lm/ft.	157 Lm/ft.
	Blue	6 Lm/ft.	12 Lm/ft.	18 Lm/ft.	18 Lm/ft.	30 Lm/ft.
	Green	30 Lm/ft.	-	78 Lm/ft.	88 Lm/ft.	148 Lm/ft.
	Pink	17 Lm/ft.	37 Lm/ft.	53 Lm/ft.	39 Lm/ft.	93 Lm/ft.
	Red	11 Lm/ft.	21 Lm/ft.	34 Lm/ft.	31 Lm/ft.	61 Lm/ft.
Cut Points	2 in.	2 in.	2 in.	2 in.	2 in.	2 in.
Max Run (ft.)	65 ft.	32 ft.	16 ft.	65 ft.	32 ft.	16 ft.
CRI	80+	80+	80+	80+	80+	80+
Dimensions	0.37 × 0.75 in. (W x H)	0.37 × 0.75 in. (W x H)	0.37 × 0.75 in. (W x H)	0.65 × 0.59 in. (W x H)	0.65 × 0.59 in. (W x H)	0.65 × 0.59 in. (W x H)
TM-21 (LM-80)	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours	>50,000 hours
Environment	Outdoor / Wet Location (IP65)	Outdoor / Wet Location (IP65)	Outdoor / Wet Location (IP65)	Outdoor / Wet Location (IP65)	Outdoor / Wet Location (IP65)	Outdoor / Wet Location (IP65)
Certification	UL Listed 2108	UL Listed 2108	UL Listed 2108	UL Listed 2108	UL Listed 2108	UL Listed 2108
Warranty	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year

NEON BLAZE™

Diffused LED Lighting

Specification Sheet

NEON BLAZE™ 24V

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Diffused, neon-like LED lighting with top-bending and side-bending options.

Available in static white and colors, and suitable for wet locations (IP65).

Date

Project Notes



RECOMMENDED 24V DRIVERS

SKU	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE	MAXIMUM LOAD	MINIMUM LOAD	CLASS 2	DIMMABLE	LENGTH	WIDTH	HEIGHT
OMNIDRIVE® X Dimmable Driver Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems. OMNIDRIVE® X Dimmable Driver Specification Sheet https://www.diodeled.com/custom/download/productFile/filename/omnidrive-x-specification-sheet.pdf/ Contains • Additional Models • Additional Features • Derating Curves • System Diagrams									
DI-ODX-24V30W-J	120-277V	24V	30W	No Minimum Load	Yes	Yes	6.5 in.	3.7 in.	1.57 in.
DI-ODX-24V60W-J	120-277V	24V	60W	No Minimum Load	Yes	Yes	7.4 in.	3.7 in.	1.57 in.
DI-ODX-24V96W-J	120-277V	24V	96W	No Minimum Load	Yes	Yes	8.66 in.	3.7 in.	1.57 in.
DI-ODX-24V120W-J	120-277V	24V	120W	No Minimum Load	No	Yes	8.66 in.	3.7 in.	1.57 in.
OMNIDRIVE® BASICS Electronic Dimmable Driver Compact electronic dimmable (ELV) driver for everyday projects. OMNIDRIVE® BASICS Electronic Dimmable Driver Specification Sheet https://www.diodeled.com/custom/download/productFile/filename/DI-ODBELV-Specification%20Sheet.pdf/ Contains • Additional Models • Additional Features • Derating Curves • System Diagrams									
DI-ODBELV-24V60W-LPELV	120V AC 50/60Hz, 0.5A	24V	60W	No Minimum Load	Yes	Yes	5.5 in.	4.7 in.	0.96 in.
DI-ODBELV-24V60W	120V AC 50/60Hz, 0.5A	24V	60W	No Minimum Load	Yes	Yes	4.2 in.	1.75 in.	0.96 in.
DI-ODBELV-24V96W-LPS	120V AC 50/60Hz, 0.83A	24V	96W	No minimum load	Yes	Yes	11.25 in.	3.75 in.	1.9 in.
VLM Series Constant Voltage Driver Compact driver for on/off, PWM dimming, and color-changing applications. VLM Series Constant Voltage Driver Specification Sheet https://www.diodeled.com/custom/download/productFile/filename/VLM-Specification%20Sheet%20(Driver%20&%20J-Box).pdf/ Contains • Additional Models • Additional Features • Derating Curves • System Diagrams									
VLM60W-24-LPS3R	120 / 277VAC 47 - 63Hz	24V	60W	No Minimum Load	Yes	PWM	10.79 in.	7.34 in.	2.36 in.
VLM60W-24-LPM	120 / 277VAC 47 - 63Hz	24V	60W	No Minimum Load	Yes	PWM	8.19 in.	2.94 in.	1.31 in.
PoE (Power over Ethernet) Constant voltage platform, ready for Power over Ethernet (inquire)									

RECOMMENDED CONTROLLERS

SKU	DESCRIPTION
TOUCHDIAL™ Control Systems The TOUCHDIAL™ zone control system controls single color dimming, tunable white, and color changing LED lighting via mobile device and additional TOUCHDIAL controls.	
DI-RF-WMT-RGBW	TOUCHDIAL RGB(W) Wall Control - Single Zone
DI-RF-REC-CV-A	TOUCHDIAL Color Control System - WIFI Receiver
DI-RF-REM-RGBW-4	TOUCHDIAL Color Control System - RGB/RGBW 4-Zone Remote Controller
DI-WIFI-RF-TRMS	TOUCHDIAL Color Control System - WIFI Hub
CASAMBI® Controllers The CASAMBI controllers will remotely control your lighting through the app - downloadable for IOS & Android.	
CBU-PWM4	CASAMBI PWM4 Single Color Dimming Controller
CBU-A2D	CASAMBI A2D 2 Channel 0-10V/DALI Controller



 SAINT LOUIS LIGHTING GROUP your lighting and controls solution	Project 24-85116-0 Date 7/15/2024 Billy G's Finer Diner - New Phase Submitted By ST. LOUIS LIGHTING GROUP	Catalog Number: DI-24V-TE-NBL2-RD-XXF-FLCH-BF-E/DI-ODX-24V96W-J/VL M60W-24-LPMV Note:	Type SCB
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NEON BLAZE™ Diffused LED Lighting
Specification Sheet

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Project Notes _____



MECHANICAL DIAGRAMS





NEON BLAZE™ Diffused LED Lighting

Specification Sheet

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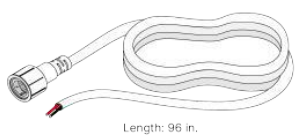
Project Notes _____



ACCESSORIES

DI-NB-96M-CNCT

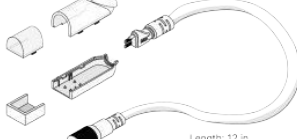
NEON BLAZE Top and Side Emitting Male connector with 96" lead



Length: 96 in.

DI-SE-NB-STWC-EC

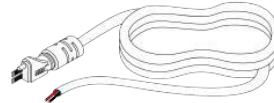
NEON BLAZE Side Bending, Straight Wire Entry Connector and Frosted end cap pair



Length: 12 in.

DI-SE-NB-STBW-20

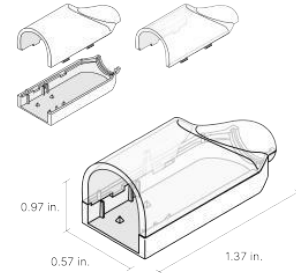
NEON BLAZE Side Bending, Straight Wire Splice Connector, 20 ft.



Length: 20 ft.

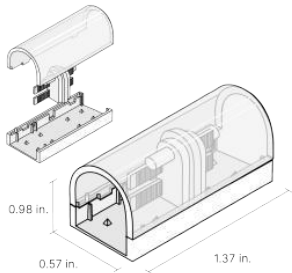
DI-SE-NB-ST-FR-EC

NEON BLAZE Side Bending, Straight Wire Entry Frosted end cap pair only (no lead wire)



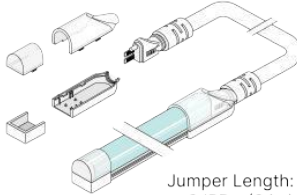
DI-SE-NB-TTT-2

NEON BLAZE Side Bending, Strip to Strip Connector Frosted, Pack of 2



DI-SE-NB-JPR

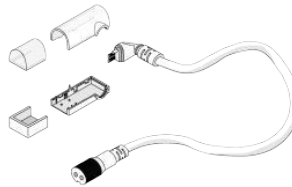
NEON BLAZE Side Bending Jumper with Frosted top cap and end cap



Jumper Length:
3JPR - (3 in.)
6JPR - (6 in.)
12JPR - (12 in.)
24JPR - (24 in.)

DI-SE-NB-SDWC-EC

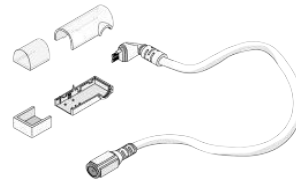
NEON BLAZE Side Bending, Side Wire Entry Connector and Frosted end cap pair



Length: 12 in.

DI-SE-NB-SDWC-EC-FDC

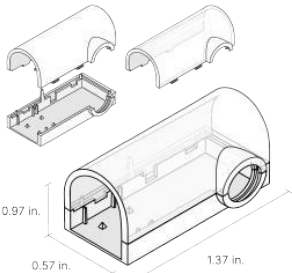
NEON BLAZE Side Bending, Side wire entry connector and frosted end cap pair, Female DC Plug



Length: 12 in.

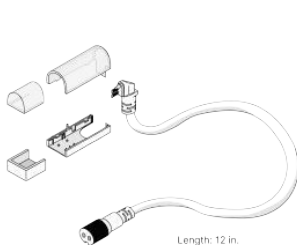
DI-SE-NB-SD-FR-EC

NEON BLAZE Side Bending, Side Wire Entry Frosted end cap pair only (no lead wire)



DI-SE-NB-BWC-EC

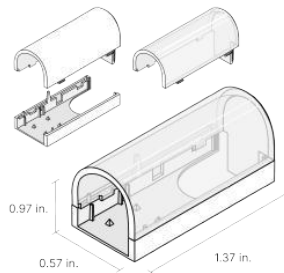
NEON BLAZE Side Bending, Bottom Wire Entry Connector and Frosted end cap pair



Length: 12 in.

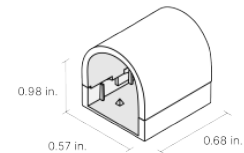
DI-SE-NB-B-FR-EC

NEON BLAZE Side Bending, Bottom Wire Entry Frosted end cap pair only (no lead wire)



DI-SE-NB-EC-5

NEON BLAZE, Side Emitting, End Cap Pair, 5 Pack





NEON BLAZE™ Diffused LED Lighting

Specification Sheet

NEON BLAZE™ 24V Diffused LED Lighting

Diffused, neon-like LED lighting with top-bending and side-bending options.
Available in static white and colors, and suitable for wet locations (IP65).

Date

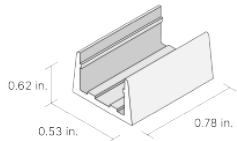
Project Notes



SIDE BENDING ACCESSORIES

DI-SE-NB-BUC-16

NEON BLAZE Side Emitting, Bottom U-clip, Bag of 16



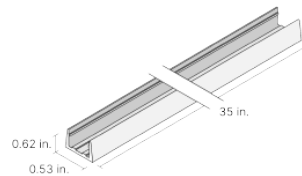
DI-SE-NB-TUC-16

NEON BLAZE Side Emitting, Top U-clip, Bag of 16



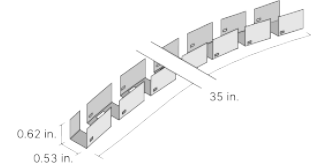
DI-SE-NB-MTCH

NEON BLAZE Side Emitting, 35" inch channel



DI-SE-NB-FLCH-WH

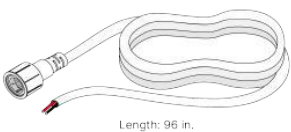
NEON BLAZE Flexible Spine Channel, Side Bending, 1m, White



TOP BENDING ACCESSORIES

DI-NB-96M-CNCT

NEON BLAZE Top and Side Emitting Male connector with 96" lead



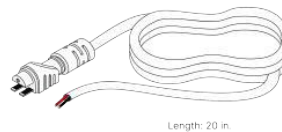
DI-TE-NB-STWC-EC

NEON BLAZE Top Bending, Straight Wire Entry Connector and Frosted end cap pair



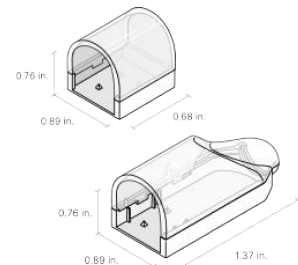
DI-TE-NB-STBW-20

NEON BLAZE Top Bending, Straight Wire Splice Connector, 20 ft.



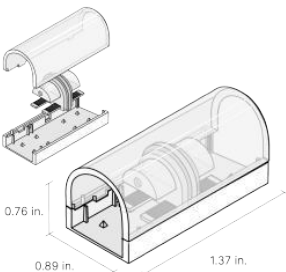
DI-TE-NB-ST-FR-EC

NEON BLAZE Top Bending, Straight Wire Entry Frosted end cap pair



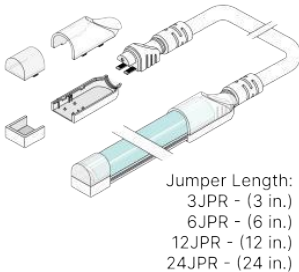
DI-TE-NB-TTT-2

NEON BLAZE Top Bending, Strip to Strip Connector Frosted, 2 Pack



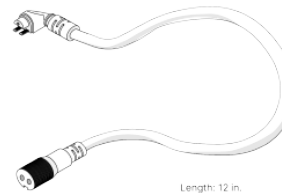
DI-TE-NB-JPR

NEON BLAZE Top Bending Jumper with Frosted top cap and end cap



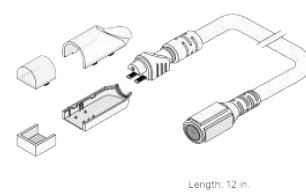
DI-TE-NB-SDWC-EC

NEON BLAZE Top Bending, Side Wire Entry Connector and Frosted end cap pair



DI-TE-NB-SDWC-EC-FDC

NEON BLAZE Top Bending, Side Wire Entry Connector and Frosted end cap pair, Female DC Plug





NEON BLAZE™ Diffused LED Lighting

Specification Sheet

NEON BLAZE™ 24V Diffused LED Lighting

Diffused, neon-like LED lighting with top-bending and side-bending options.
Available in static white and colors, and suitable for wet locations (IP65).

Date _____

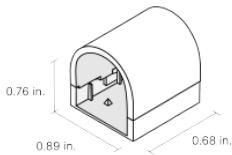
Project Notes _____



TOP BENDING ACCESSORIES

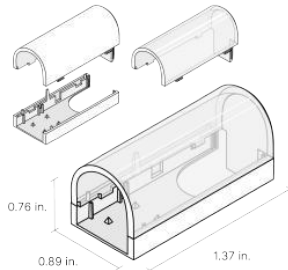
DI-TE-NB-BWC-EC

NEON BLAZE Top Bending, Bottom Wire Entry
Connector and Frosted end cap pair



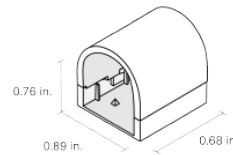
DI-TE-NB-B-FR-EC

NEON BLAZE Top Bending, Bottom Wire Entry Frosted
end cap pair



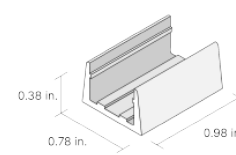
DI-TE-NB-EC-5

NEON BLAZE, Top Bending, End cap pair, 5 Pack



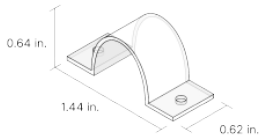
DI-TE-NB-BUC-16

NEON BLAZE Top Bending, Bottom U-clip, 16 Pack



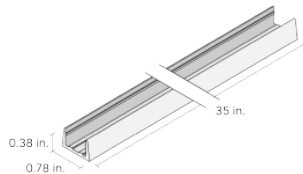
DI-TE-NB-TUC-16

NEON BLAZE Top Bending, Top U-clip, 16 Pack



DI-TE-NB-MTCH

NEON BLAZE Top Bending, 35 in. channel



DI-TE-NB-FLCH-WH

NEON BLAZE Flexible Spine Channel, Top Bending, 1m,
White



DELIVERY OPTIONS

- **Field Assembly**
Fastest order fulfillment. Field connectors and accessories not included.
- **Factory + Field (Hybrid)**
Onsite modifications with factory connection. Additional accessories not included.

- Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across run.
- Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment.

NEON BLAZE™ Diffused LED Lighting

Specification Sheet

NEON BLAZE™ 24V
Diffused LED Lighting
Diffused, neon-like LED lighting with top-bending and side-bending options.
Available in static white and colors, and suitable for wet locations (IP65).

Date

Project Notes



CERTIFICATIONS

Safety

- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaire. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.
- UL Listed Field Cutable.
- CE & EMC Compliant.
- Approved for storage areas of clothes closets per NEC 410.16.A.3 and 410.16.C.5.

Environment

- Ambient Temperature: -4 ~ 122°F (-20 ~ 50°C)
- Operating Temperature: -4 ~ 176°F (-20 ~ 80°C)
- RoHS Compliant.

Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.

Safety / Warnings / Disclosures

- Install in accordance with national and local electrical code regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
- Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Tape light and attached wire leads are field-cuttable.
- Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
- Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
- Do not modify product beyond instructions or warranty will be void.
- Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
- Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
- We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

WARRANTY

Limited Warranty

- 5 Year limited warranty

This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Consumer's Acknowledgment

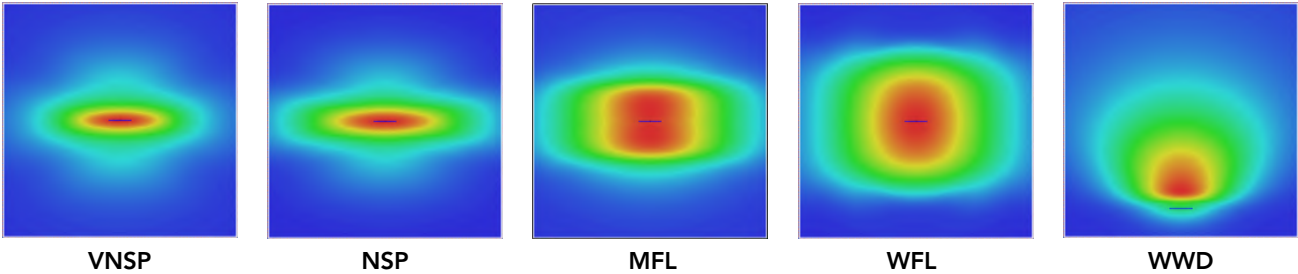
Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.



4750L LINEAR CONTINUOUS RUN RGBW | 3

PERFORMANCE DATA



LUMEN OUTPUT 4' FIXTURE

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

LED Output	Nominal System Watts	Distribution Type	Field Angle		Beam Angle		RGBW		
			°H	°V	°H	°V	Max Cd	Lumens	LPW
1000LMF	56	VNSP	109.6	39.2	63.2	12.1	7733	3576.9	63.47
		NSP	144.0	39.8	98.4	15.7	5239	3591.8	64.01
		MFL	148.4	84.5	106.7	61.3	2361	4170	73.68
		WFL	149.6	109.2	106.8	94.9	1781	4229.7	74.72
		WWD	146.9	78.6	100.7	46.3	2942	3922	72.14

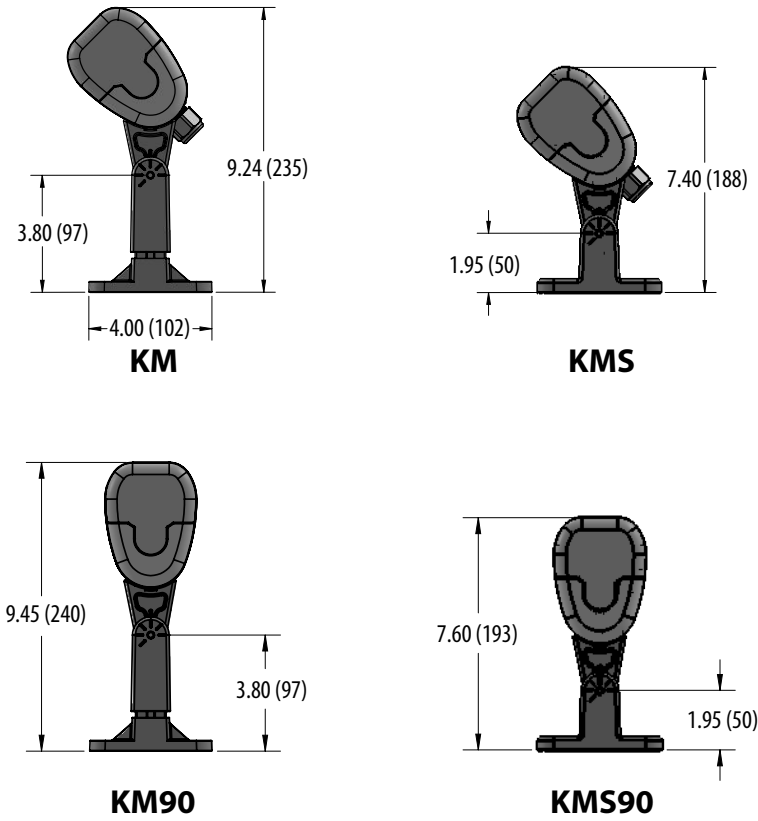
 SAINT LOUIS LIGHTING GROUP your lighting and controls solution	Project 24-85116-0 Date 7/15/2024 Billy G's Finer Diner - New Phase Submitted By ST. LOUIS LIGHTING GROUP	Catalog Number: 4750LCR LOP 16FT 1000LMF RGBW MVOLT VNSP KM EA6 CSL25 DMX BL Note:	Type SFA-16'
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4750L LINEAR CONTINUOUS RUN RGBW | 4

MOUNTING OPTIONS

KNUCKLE MOUNTING



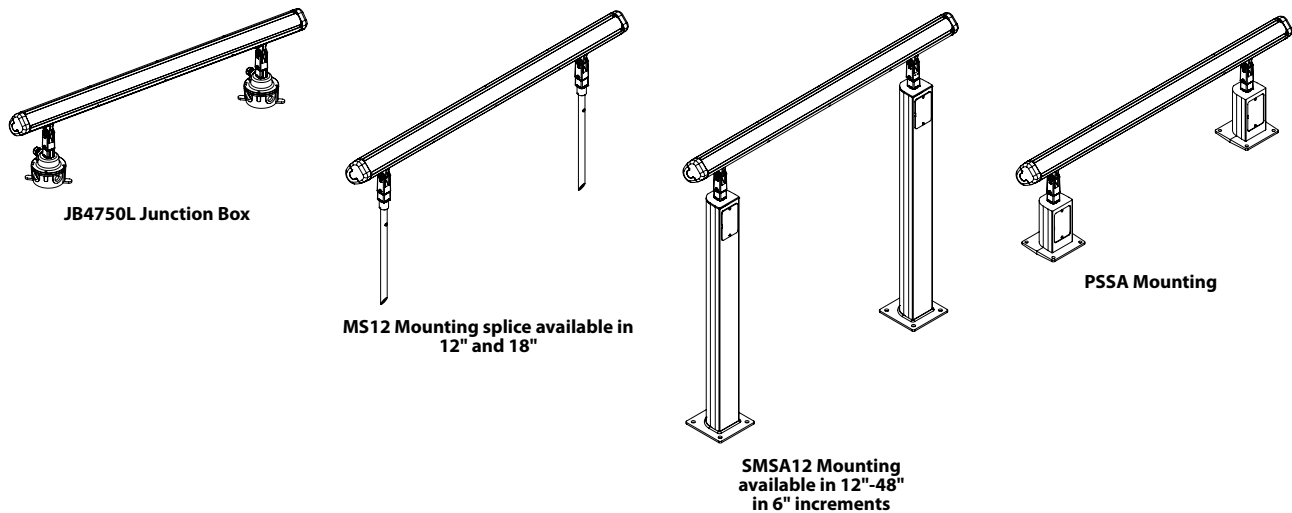
 SAINT LOUIS LIGHTING GROUP your lighting and controls solution	Project 24-85116-0 Date 7/15/2024 Billy G's Finer Diner - New Phase Submitted By ST. LOUIS LIGHTING GROUP	Catalog Number: 4750LCR LOP 16FT 1000LMF RGBW MVOLT VNSP KM EA6 CSL25 DMX BL Note:	Type SFA-16'
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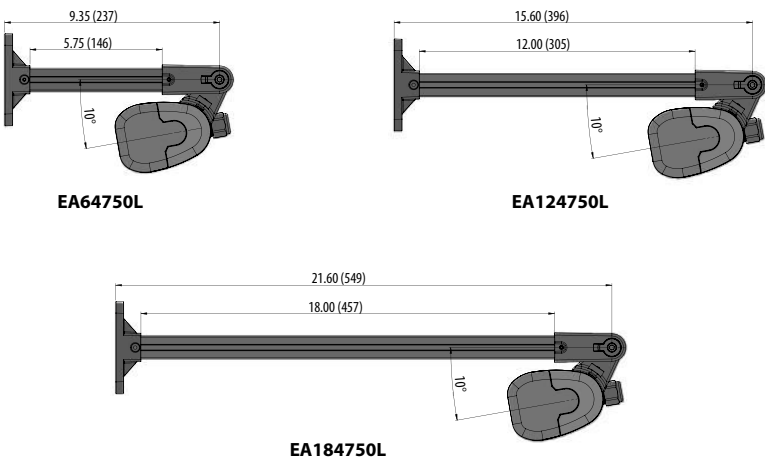
4750L LINEAR CONTINUOUS RUN RGBW | 5

MOUNTING ACCESSORIES

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



EXTENDED ARM Suitable for wall or surface mount



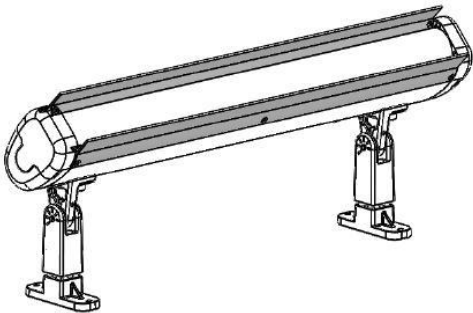
 SAINT LOUIS LIGHTING GROUP your lighting and controls solution	Project 24-85116-0 Date 7/15/2024 Billy G's Finer Diner - New Phase Submitted By ST. LOUIS LIGHTING GROUP	Catalog Number: 4750LCR LOP 16FT 1000LMF RGBW MVOLT VNSP KM EA6 CSL25 DMX BL Note:	Type SFA-16'
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4750L LINEAR CONTINUOUS RUN RGBW | 6

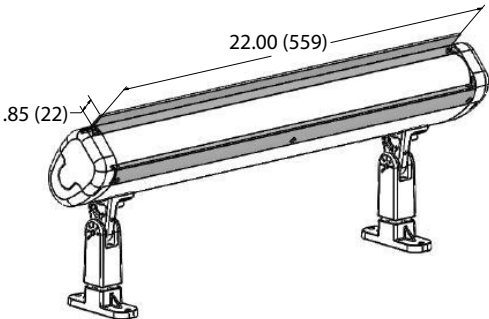
EXTERNAL ACCESSORIES

VISORS

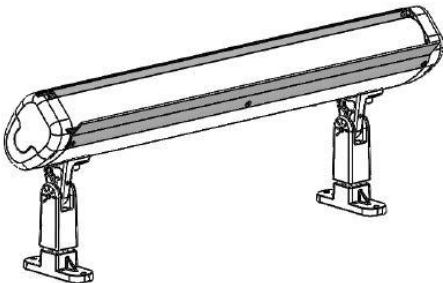


FVSR4750L

FULL VISOR is supplied with top and bottom visor.



HVSR4750L



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



4750L LINEAR CONTINUOUS RUN RGBW | 7

ACCESSORY OPTIONS

TAKE CONTROL

Hydrel lighting solutions bring ease of use, innovation, and next-generation control features to commercial, underwater, and architectural outdoor applications. We offer a dedicated team of specification engineers to take you through lighting design, the specification process, to the installation of our fixtures. We simplify the complex and help you create the right layer of light for any outdoor lighting environment. Find the right architectural outdoor fixture, controls, and network connectivity with Hydrel Lighting Solutions.

FRESCO CONTROL SYSTEM

Series	Model	Options	Finish
FCS Fresco Control System	7TSN 7" touchscreen with nLight port	X DMX/RDM control	DBL Black DWH White DNA Natural Aluminum

Refer to [FRESCO](#) spec sheet for additional details and options.



EASYL - LED SHOW CONTROLLER WITH LCD TOUCHSCREEN (INTETRAL POWER SUPPLY)

Series	Voltage	Finish
EZSOLO Easy Solo	MVOLT 120V-277V VAC, 50/60Hz	BK Black
EZTOUCH Easy Touch		WH White
EZPRO Easy Pro		

Refer to [EASYL](#) spec sheet for additional details and options.



PATHWAY Connectivity Solutions- DMX lighting and networking with scalable networks



DMX512 networks create dynamic lighting. Dynamic lighting often brings a lot of color and movement to spaces. The DMX512 lighting protocol was created to serve the needs of performance lighting, such as in theaters or music venues. A DMX network is designed to support large amounts of data continually moving between controllers and luminaires, and at very high speeds. Many non-performance lighting applications also rely on DMX networks, to support RGB LED luminaires featured in applications such as building façades, hotel lobbies and corporate reception areas.

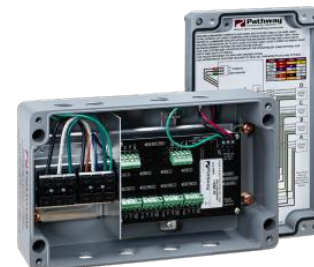
A DMX network always includes a controller and luminaires that are compatible with the DMX protocol. As well, DMX lighting systems must include network devices that route the DMX data to different locations between the controllers and luminaires.

[Pathway Connectivity](#) provides these network devices, creating robust and secure network backbones. Pathway devices create bridges between Ethernet and DMX, and DMX and other kinds of lighting control protocols, such as RDM, nLight® or 0-10v.

DMX-RDM Repeater with Power in IP65 Enclosure

Model
PWREP IP65 P4 TERM RDM DMX-RDM Repeater with Power in IP65 Enclosure

Refer to [PWREP IP65](#) spec sheet for additional details.

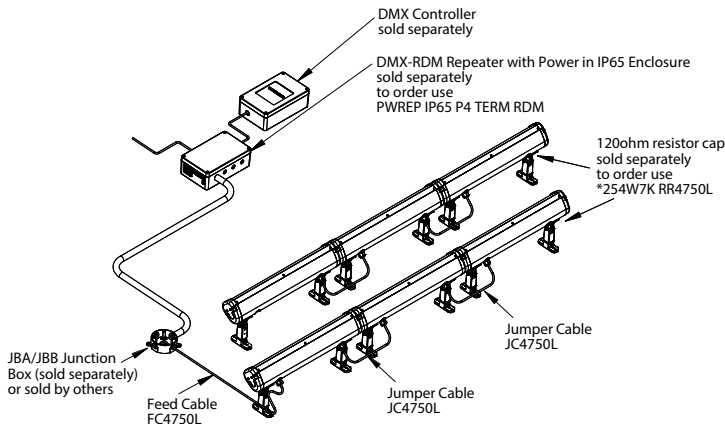




4750L LINEAR CONTINUOUS RUN RGBW | 8

WIRING AND LAYOUT DESIGN

CONTINUOUS RUN LAYOUT



MAX RUN LENGTH

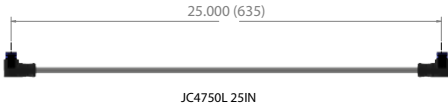
Fix Length	Watt/FT	120V	277V
4FT	17.8	128 ft	128 ft

Note: Fixtures are not physically attached to one another. Fixtures are attached using the jumper cables. Maximum run length based on 32 fixtures and 1000ft cable length per DMX/RDM specifications

Cable:

FC4750L CSL10	10' Feed Cable
FC4750L CSL25	25' Feed Cable
JC4750L 25IN	25" Jumper Cable for use on 4FT to 4ft fixtures controlled by DMX

Note: Cables provided with fixtures, may be ordered separately as replacements.



Feed Cable Wiring Detail - RGBW Fixture



SPECIFICATIONS AND FEATURES

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

LIGHT SOURCE: RGBW Red, Green, Blue, White 1000LMF.

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

DISTRIBUTION: VNSP (10x), NSP (20x), MFL (55x), WFL (100x), WWd (wall wash Asymmetric).

LENS: High clarity acrylic, superior UV resistant.

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

FINISH: Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climates without cracking or peeling.

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

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

ENVIRONMENT: Suitable for outdoor wet location applications. Suitable for indoor, non-IC rated applications, maximum 45° C and minimum -20° C ambient operating temperatures.

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

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

Consult factory for details.

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



690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

Architectural Review Board Staff Report

Meeting Date: April 10, 2025

From: Shilpi Bharti, Planner *SB*

Location: 50 N Chesterfield Industrial Blvd.

Description: **Long Road Lipton Parcel, Lot 8:** A Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for a medical office building located on a 3.16-acre tract of land located east side of Chesterfield Industrial Blvd., zoned "PI"-Planned Industrial.

PROPOSAL SUMMARY

SMD RE Holdings, LLC has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a proposed medical office building to be known as Onyx Spine and Orthopedic Institute Ambulatory Surgery Center and Clinic, located at 50 N Chesterfield Industrial Blvd., Long Road, in the Long Road Lipton subdivision.

Proposed Development includes:

- 18,883 square feet of building
- 76 parking spaces
- Landscape Plan
- Lighting Plan



Figure 1: Subject Location

HISTORY OF SUBJECT SITE

The site is situated within the Long Road Lipton subdivision in the City of Chesterfield. Originally, the subdivision was zoned as "M3" – Planned Industrial District before the City's incorporation. In 1999, the zoning was changed to "PI" – Planned Industrial, which resulted in the creation of Ordinance 1540. In 2023, this ordinance was revised to permit additional uses. The current ordinance in effect for the site is Ordinance 3262.

The Site Development Concept Plan for the subdivision was approved in 1999, which established ten (10) lots. This plan was modified in 2006 and was again updated in 2024 to reflect six (6) lots. In conjunction with the Site Development Concept Plan, a Boundary Adjustment Plat for Lots 3, 4, 5, 6, and 7 was also approved.

STAFF ANALYSIS

The Site Development Section Plan for Lot 8 outlines a proposed 18,883 square foot medical office facility. The building will be accessible from Long Road Crossing Drive on the north side of the property, as well as from North Chesterfield Industrial Blvd. to the west. Additionally, a cross-access easement will be provided for a future connection to Lot 10 to the south. The building is centrally located on the site, with its front façade facing North Chesterfield Industrial Blvd. A trash enclosure will be positioned on the southeast side of the property. The City of Chesterfield Unified Development Code (UDC) sets forth general site and building design requirements, which are detailed further in the report.

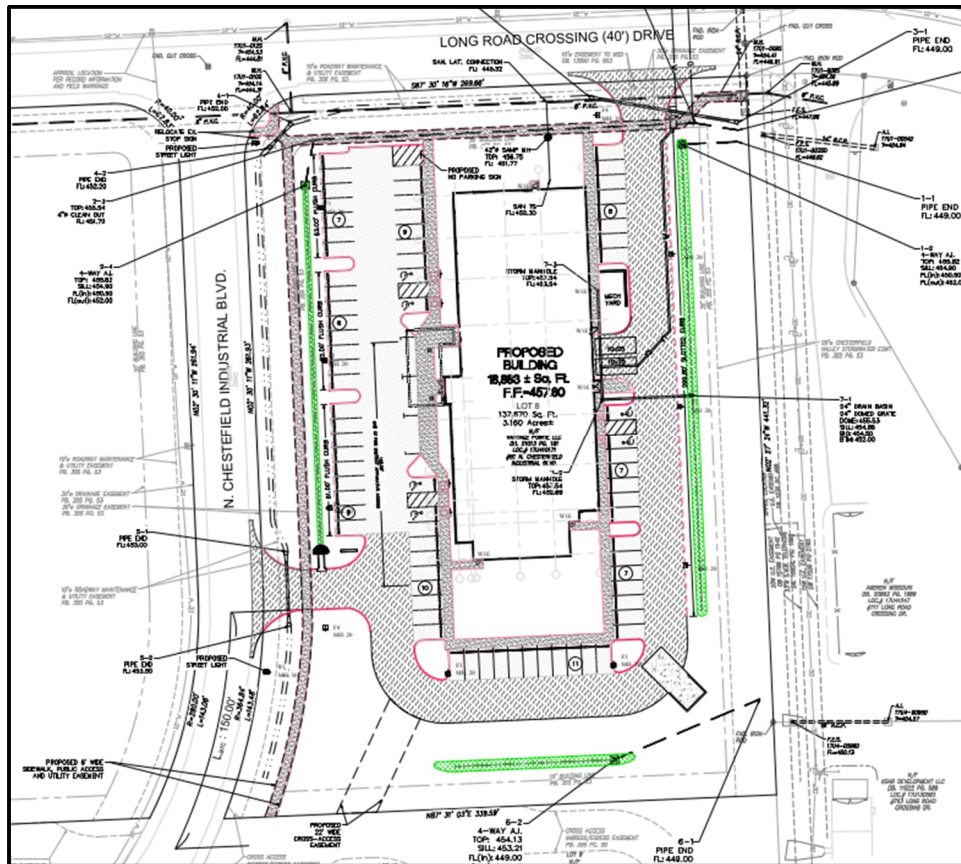


Figure 2: Site Plan

Site Relationships

The proposed building spans 18,883 square feet and sits on a 3.61-acre parcel of land. The height of the proposed single-story building is 19 feet, with an additional nine (9) feet for rooftop mechanical equipment. The site is bordered by Long Road Crossing Drive to the north, a vacant lot to the south, and an Ameren facility to the east. To the north, a recently approved single-story car dealership facility is anticipated to be under construction in the near future.

Circulation System and Access

The site is accessible via Long Road Crossing Drive to the north and North Chesterfield Industrial Blvd. to the west, with the building's front entry facing North Chesterfield Industrial Blvd. A cross-access easement will be provided for Lot 10, located to the south of the site. The proposed access does not align with the Amended Site Development Concept Plan, so the applicant has submitted a revised plan to update the access for Lot 8. The Amended Site Development Concept Plan is currently under review. Internal driveways are 26 feet wide, allowing for two-way traffic. Sidewalks are proposed along the north and east sides, with the sidewalk on the north connecting to the one proposed along the building's perimeter.

Scale, Topography, Retaining Wall and Screening

The site is currently vacant and is bordered by a building to the east and vacant land to the south. It is relatively flat, and no retaining walls are proposed for the development. The trash enclosure is located at the southeast corner of the property and is screened by evergreen trees. Rooftop mechanical equipment will be installed, screened by 9-foot-high EIFS wall. The mechanical equipment will be positioned toward the eastern side of the building to minimize visibility from the front.

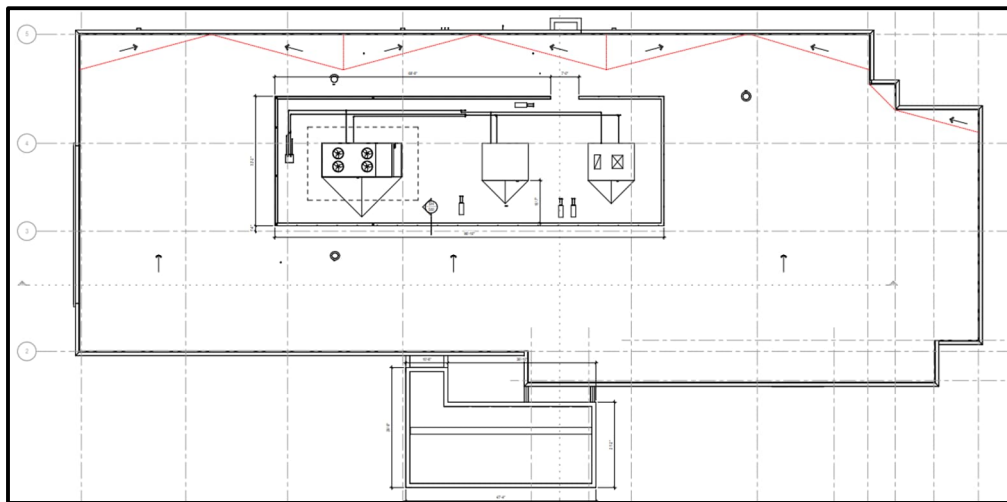


Figure 2: Roof top plan

Materials and Color

The building features five (5) primary materials across all four (4) elevations. The front elevation, which faces North Chesterfield Industrial Blvd, includes brick, aluminum panels, aluminum storefronts, single-skin rolled metal panels, and EIFS. The entrance canopy is constructed with aluminum composite panels. The north elevation faces Long Road Crossing Drive.



Figure 4: Front Elevation

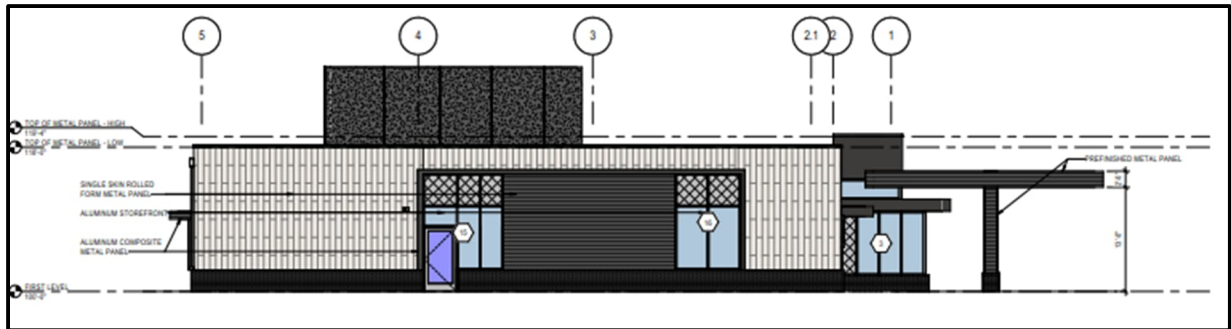


Figure 5: North Elevation

Lighting

A total of ten (10) light fixtures are proposed for the development, including parking lights and wall pack lights. All of the proposed light fixtures comply with City code.

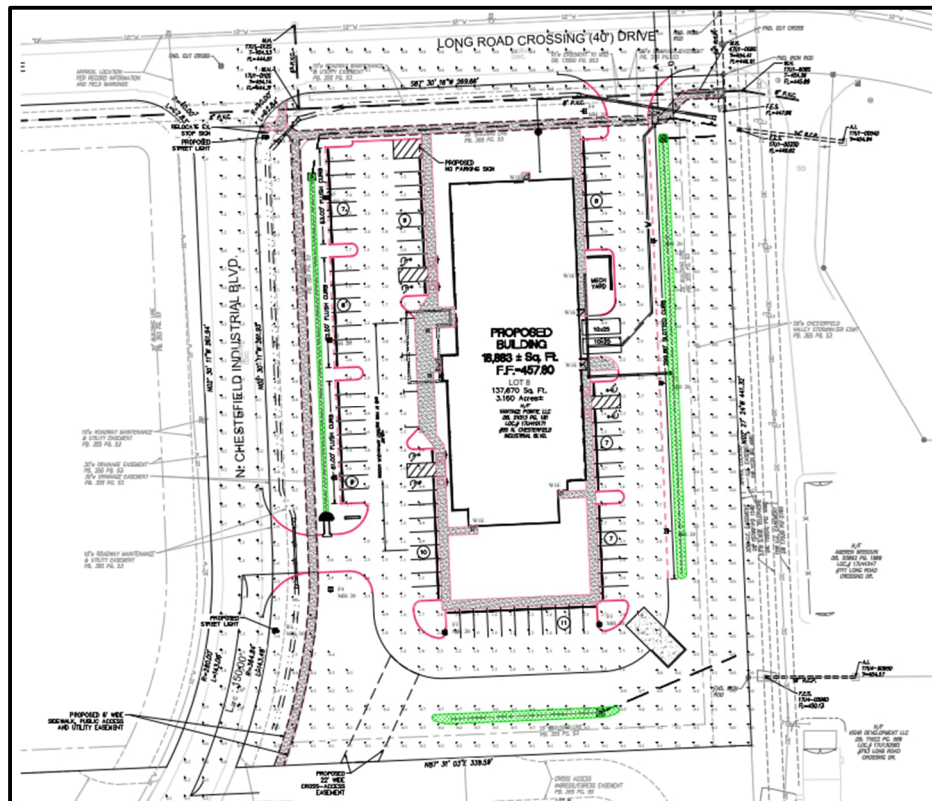


Figure 6: Lighting Plan

Landscaping

The proposed landscape plan for the site includes shade trees, ornamental trees, evergreen trees, shrubs, and ground cover. Three (3) bio-retention basins are planned, located on the east, west, and south sides of the site. The development is designed to provide nearly 57% open space.

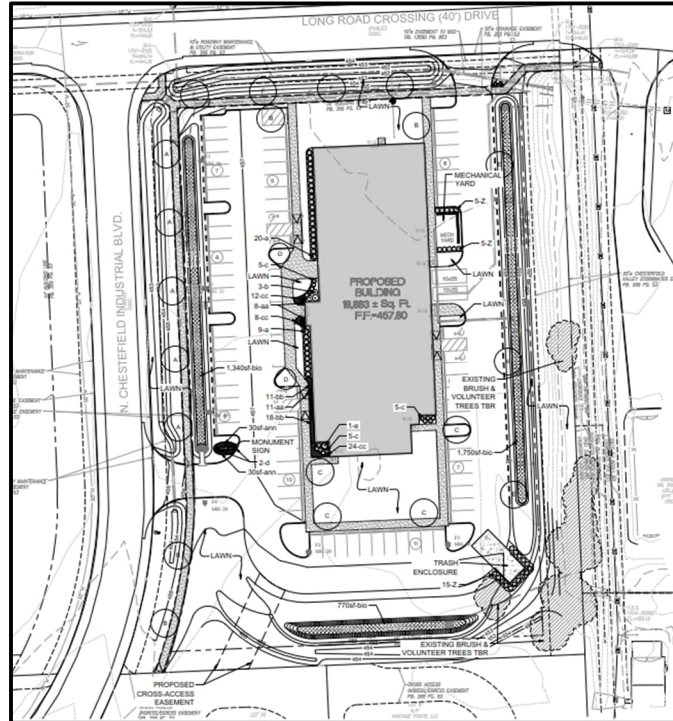


Figure 7: Proposed Landscaping

Rendering



Figure 8: Rendering

DEPARTMENTAL INPUT

Be advised, this project is under review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed, and Amended Site Development Concept Plan is also under review. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

MOTION

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

- 1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Long Road Lipton Parcel, Lot 8, as presented, with a recommendation for approval (or denial)."
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Long Road Lipton Parcel, Lot 8, with a recommendation for approval with the following conditions..."

Attachments

1. Architectural Review Packet Submittal

PROJECT Onyx Spine and Orthopedics Institute – Ambulatory Surgery Center

PROJECT NUMBER P.2400230.00

CLIENT Architect's Statement of Intent

DATE 2/7/2025

TO

The City of Chesterfield

690 Chesterfield Pkwy

Chesterfield, MO 63017-0760

FROM Ryan Johansen

651.290.1927

rjohansen@bwbr.com

The following statement of intent reflects BWBR's adherence to the architectural design standards as set forth by the City of Chesterfield

Architect's Statement of Intent

1. Scale

A. Building Scale

1. The proportion and size of the building is meant to coexist with the adjacent buildings and developments of the area. The compact, one-story form, with flat roof, shall not otherwise distract from the established massing of the existing district. Most adjacent lots feature single story buildings with predominantly flat roofs.
2. Transitional elements will not be employed as they are not required given the similarity in massing to the nearby structures.

B. Human Scale

1. Human scale is achieved through the thoughtful inclusion of glazing along the building's facade. This glazing has been sized for patient privacy, while adhering to our design datum of 6'-0" at window sills and 9'-0" to window heads. In addition, careful consideration was made to the proportions of materials used in the design to reinforce this sense of human scale.
2. The exterior materials vary transitioning from grade to parapet in aid of relating to the human scale. A wainscot of brick provides a tactile material nearest to human interaction and transitions to metal panel above that is punctured by the windows. Canopies have also been included to define a more intimate overhead plane as occupants enter and exit from the main entrance.

C. Generic Scale

1. Buildings on the adjacent lots are not in immediate proximity to the new clinic building and precise matching of heights was not employed for this reason. The height of the building was determined by the decision for it to be a one story structure and based on the requirements of the medical, mechanical, and electrical equipment within the building. Measures were taken to reduce the overall height of the building to the minimum reasonably possible.

2. Design

- A. All facades have been coordinated in regards to color, using four separate materials in a uniform fashion. Architectural form and design have been intelligently implemented and detailed to create a sense of hierarchy and order in the overall building.

- B. Linear streetscapes have been avoided by adding visual interest with a larger storefront glazing system. This prominent element of the building helps give the design a hierarchy, rather than monotony. Further site elements and plantings help to break up static streetscapes by enhancing the natural vegetation.
- C. This project is a unique design that incorporates aspects of the Onyx Brand identity into the design, while avoiding franchise architectural elements. Signage will be incorporated into the main building façade, but caution was taken to help it feel incorporated into the building's proportion and color.
- D. Architectural details have been given a greater emphasis as they relate to the "front entry" façade of the building. These details include bold color contrasts, hierarchical organization, canopies, and controlled glazing, amongst others. The tall, glazed element of the front entry acts as the principle focal point for the entire building.
- E. This building shall engage with artistic elements such as wall murals within the interior design of the building.
- F. This project design has been created with energy efficiency in mind, maintaining a compact form with limited glazing where necessary.
- G. The material selection for this project will include locally sources materials and products that easily convey sustainable declaration. The project shall promote environmentally responsible building techniques when construction commences.
- H. This design has incorporated the use of canopies to help indicate and reinforce the intended building entries.
- I. Temporary constructions and barriers shall be painted to compliment the permanent construction features.
- J. Rooftop mechanical units have been designed with appropriate wall screens with materials that are analogous to the overall building design, while remaining minimally invasive to the visual aesthetic.

3. Materials and Colors

- A. Consistent colors and materials have been incorporated into the overall building design. While the materials may not be identical to that of adjacent buildings, they have been selected to fit into the character of the region. The black and white color palette is neutral and integral to the design's personification of an onyx stone.
- B. Materials have been selected for durability and their unobtrusive quality. Glare and other visual impacts have been assessed.
- C. Contrasting paving surfaces shall be included for pedestrian access

4. Landscape Design and Screening

- A. Development Landscaping
 - 1. Positioned at the intersection of two public streets, the most prominent landscape element of this site will be the Street Trees located along Long Road Crossing and along North Chesterfield Industrial Blvd. These trees will provide both vertical structure as well as shade for the public's views of the facility and the pedestrian users of the sidewalks. Care has been taken to site these trees to respect sight triangles at entrances, utilities and storm drainage facilities.
- B. Building Landscaping
 - 1. Low evergreen and deciduous shrub plantings have been located on the main entrance (west) side to provide landscape interest for the employees and guests.

C. Parking Area Landscaping

1. Vehicular entrances and associated signs have been landscaped with shrubs and annuals/perennials to emphasize and highlight these entrances. Tree plantings in the parking lots are provided to allow each parking space to be within 50' of a tree. These trees will provide shade and help "break down" the scale of the parking lots.

D. Walls and Fences

1. No fences or landscaping walls to be included in this project

E. Screening

1. Exterior trash enclosure shall be screened. In addition, upright evergreen trees have been utilized to shield and screen views to the service areas on the east side of the building as well as the trash enclosure located at the SE corner of the site.
2. Rooftop mechanical equipment

5. Signage

- A. Signs shall be reviewed through a separate process and shall adhere to the Unified Development Code

6. Lighting

- A. Site Lighting shall be reviewed through a separate process. All lighting, including architectural lighting and building light fixtures, shall adhere to the Unified Development Code

7. Existing Structures

- A. There are no existing structures on this site.

8. Specific Requirements for the Chesterfield Valley

A. Facades

1. Architectural elements and materials from the front façade will also be included on the rear of the structure. A greater utilization of EIFS will deviate the design of the "back" façade from the front, while matching colors and including the brick wainscot that appears throughout.
2. Accent lighting to be utilized on facades facing 1-64/US 40. Front building façade does not directly face 1-64/US 40
3. Trash enclosure shall be screened with materials that are analogous to those used in building design with EIFS and brick materials

B. Storage

1. No outdoor storage included in project

C. Parking

1. Parking located near front (west) and south façades of the building. Neither the front (west) nor the south façade directly faces 1-64/US 40
2. No loading area included in project

END ARCHITECT'S STATEMENT OF INTENT

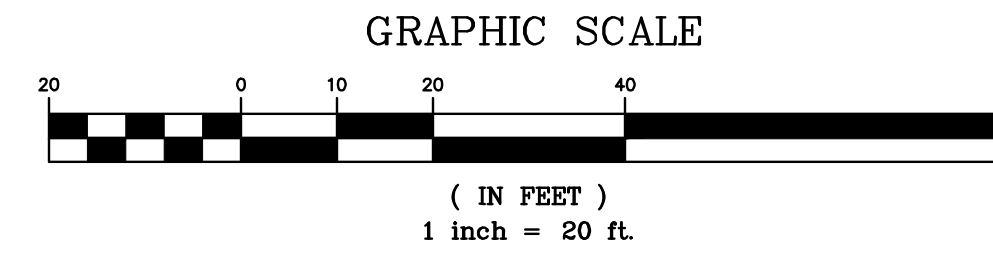
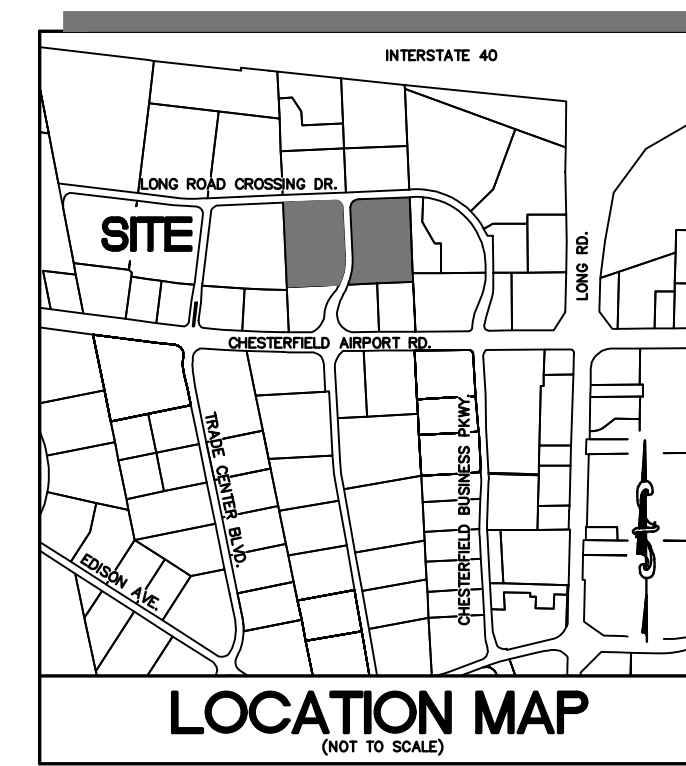
RDJ

For professional licensure, visit bwbr.com/licenses-registrations/

N/F
VANTAGE POINTE LLC
DB. 21013 PG. 181
LOC.# 17U410126
#738 LONG ROAD
CROSSING DR.
(VACANT/AGRICULTURE)

N/F
VANTAGE POINTE LLC
DB. 21013 PG. 181
LOC.# 17U410160
#730 LONG ROAD
CROSSING DR.
(VACANT/AGRICULTURE)

N/F
BUTLER INVESTMENTS
PARTNERSHIP LLP
DB. 17718 PG. 0009
LOC.# 17U410203
#722 LONG ROAD
CROSSING DR.
(COMMERCIAL/CAR SALES)



N. CHESTERFIELD INDUSTRIAL BLVD.

LONG ROAD CROSSING (40') DRIVE

PROPOSED
BUILDING
18,883 ± Sq. Ft.
F.F.=457.80

LOT 8
137,670 Sq. Ft.
3.160 Acres±
N/F
VANTAGE POINTE LLC
DB. 21013 PG. 181
LOC.# 17U410171
#50 N. CHESTERFIELD
INDUSTRIAL BLVD.

BUNNY LANE HOLDINGS LLC
DB. 11522 PG. 589
LOC.# 17U410258
#707 LONG ROAD
CROSSING DR.
(VACANT/AGRICULTURE)

N/F
AMEREN MISSOURI
DB. 20802 PG. 1089
LOC.# 17U41247
#711 LONG ROAD
CROSSING DR.
(SUB-STATION)

N/F
KEHR DEVELOPMENT LLC
DB. 11522 PG. 589
LOC.# 17U130583
#703 LONG ROAD
CROSSING DR.
(COMMERCIAL/RETAIL)

PREPARED FOR:
VANTAGE POINT, LLC
7211 DELMAR BLVD.
ST. LOUIS, MO. 63130
c/o MR. RANDY LIPTON, PRESIDENT
THE LIPTON GROUP (randy@liptongroup.com)
PH.: (314) 262-8585 (office)

PREPARED FOR:
BWBR
ARCHITECTURE/INTERIORS/PLANNING
380 ST. PETERS ST., UNIT 600
ST. PAUL, MN. 55102
c/o MR. RYAN JOHANSEN, PRICIPAL
rjohansen@bwbr.com
PH.: (612) 576-0465 (mobile)

PREPARED FOR:
MEDCRAFT HEALTHCARE REAL ESTATE
c/o MR. KEITH BENEKE, PRINCIPAL
kbeneke@medcraft.com
PH.: (952) 829-3496 (office)
PH.: (612) 991-6670 (mobile)

N/F
VANTAGE POINTE LLC
DB./21013 PG. 181
LOC.# 17V340286
#95 N. CHESTERFIELD
INDUSTRIAL BLVD.
(VACANT/AGRICULTURE)

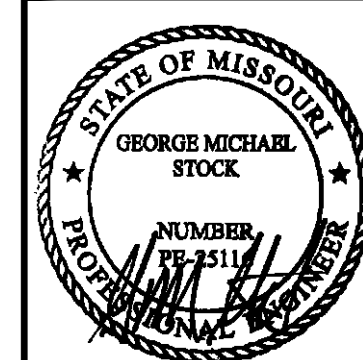
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VANTAGE POINTE LLC
DB. 21013 PG. 181
LOC.# 17U130792
#94 N. CHESTERFIELD
INDUSTRIAL BLVD.
(VACANT/AGRICULTURE)

LOT 9
N/F
VANTAGE POINTE LLC
DB. 21013 PG. 181
LOC.# 17U130781
#90 N. CHESTERFIELD
INDUSTRIAL BLVD.
(VACANT/AGRICULTURE)

PREPARED BY:

STOCK & ASSOCIATES
Consulting Engineers, Inc.

SITE DEVELOPMENT SECTION PLAN FOR:
**ONYX SPINE AND ORTHOPEDIC INSTITUTE
AMBULATORY SURGERY CENTER AND CLINIC at LOT 8**
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CHESTERFIELD, MISSOURI 63005



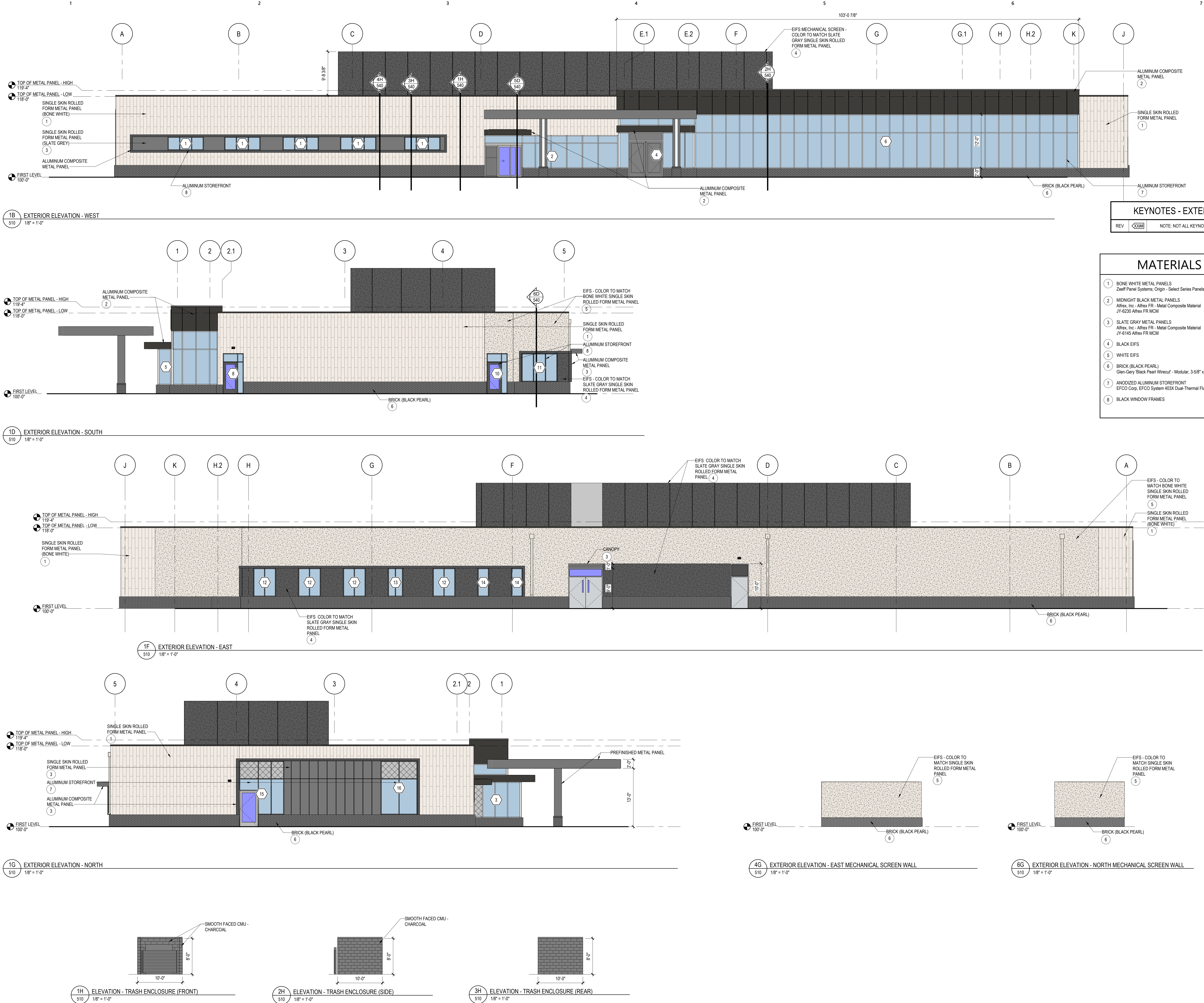
03/10/25
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:
1 DD PLANS 02/21/25
2 03/06/25 REVISED PER CITY
AND CLIENT
3 03/10/25 SDSP RESUBMITTAL
TO CITY

DRAWN BY: D.P.B.	CHECKED BY: G.M.S.
DATE: 01/03/2025	JOB NO: 224-7656
MSD P.# 25MSD-	RAISE MAP: 17-V
S.L.C. RAY # XXXX	RAY S.U.P. XX-XXX-XX
MDNR.# MO-RA-	

SHEET TITLE:
**SITE DEVELOPMENT
SECTION PLAN
- GRADING PLAN -**

SHEET NO.:
SDSP-1

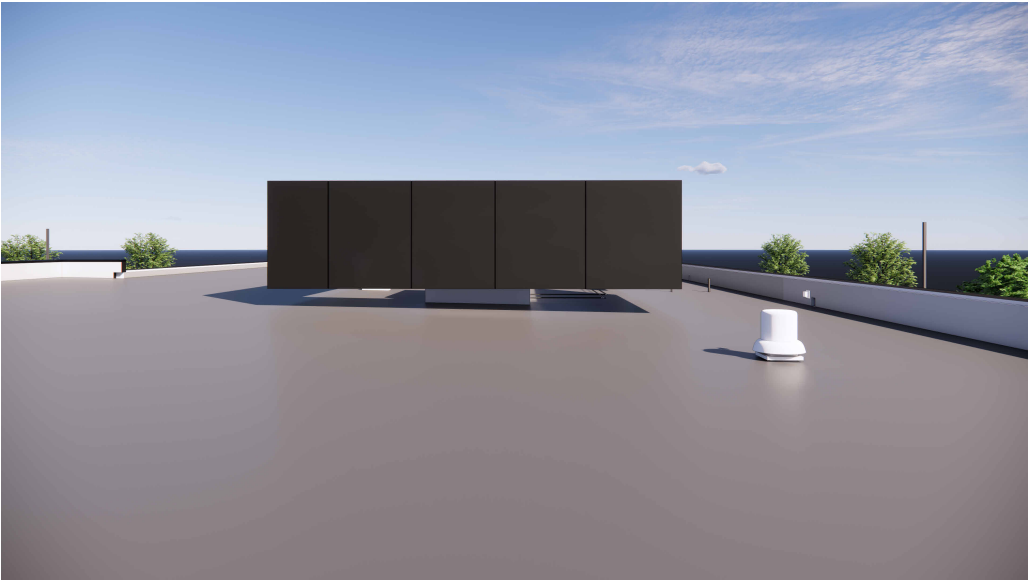




EAST VIEW



NORTHWEST VIEW



ROOFTOP VIEW



SOUTHWEST CORNER VIEW



WEST VIEW (FROM STREET)



WEST VIEW (MAIN ENTRANCE)

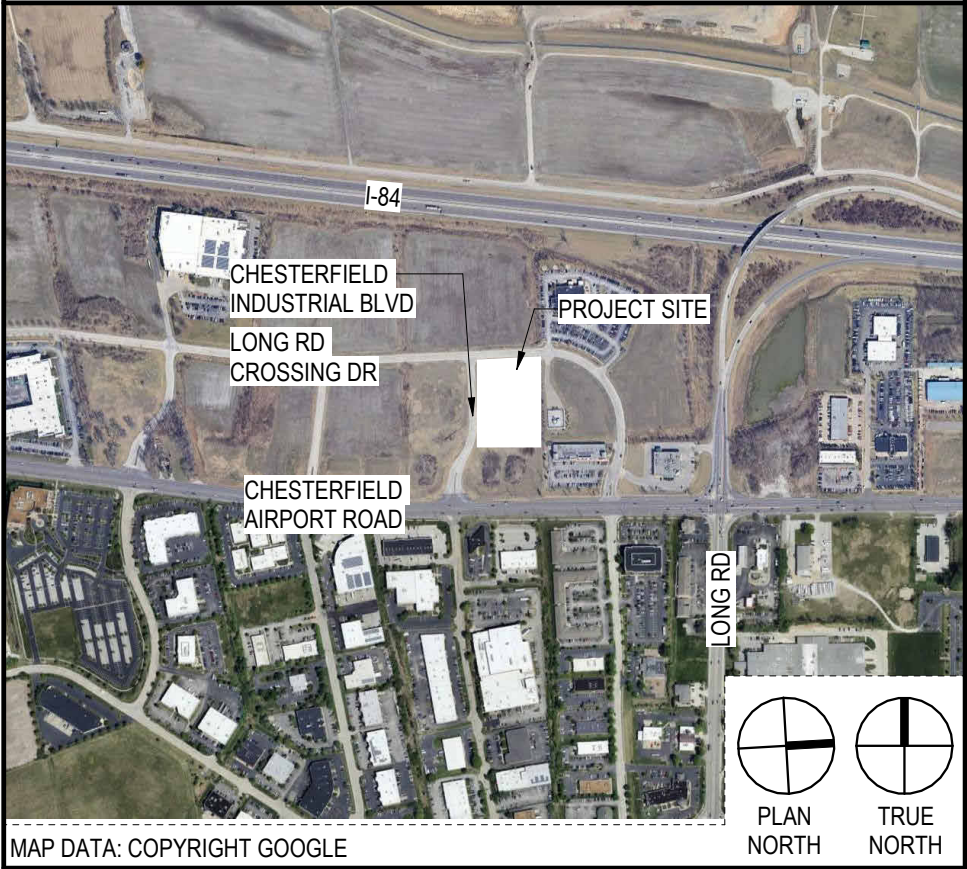
WEST OF PROJECT SITE LOOKING EAST



NORTH OF PROJECT SITE LOOKING SOUTH



SITE LOCATION MAP



SOUTH OF PROJECT SITE LOOKING NORTH





EXISTING BUILDING (EAST OF SITE)



EXISTING BUILDING (NORTH OF SITE)

3/25/2025 11:39 AM

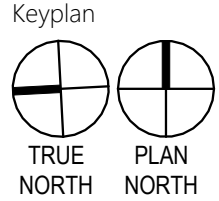
1F ROOF PLAN
500 1/8" = 1'-0"

4H SECTION DETAIL - COLUMN PENETRATION THRU ROOF WITH THERMAL BREAK
500 1 1/2" = 1'-0"

5H SECTION DETAIL - ROOFTOP SCREEN WALL
500 1 1/2" = 1'-0"

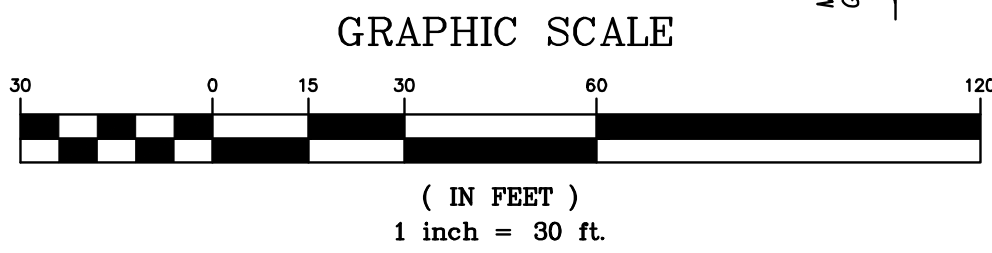
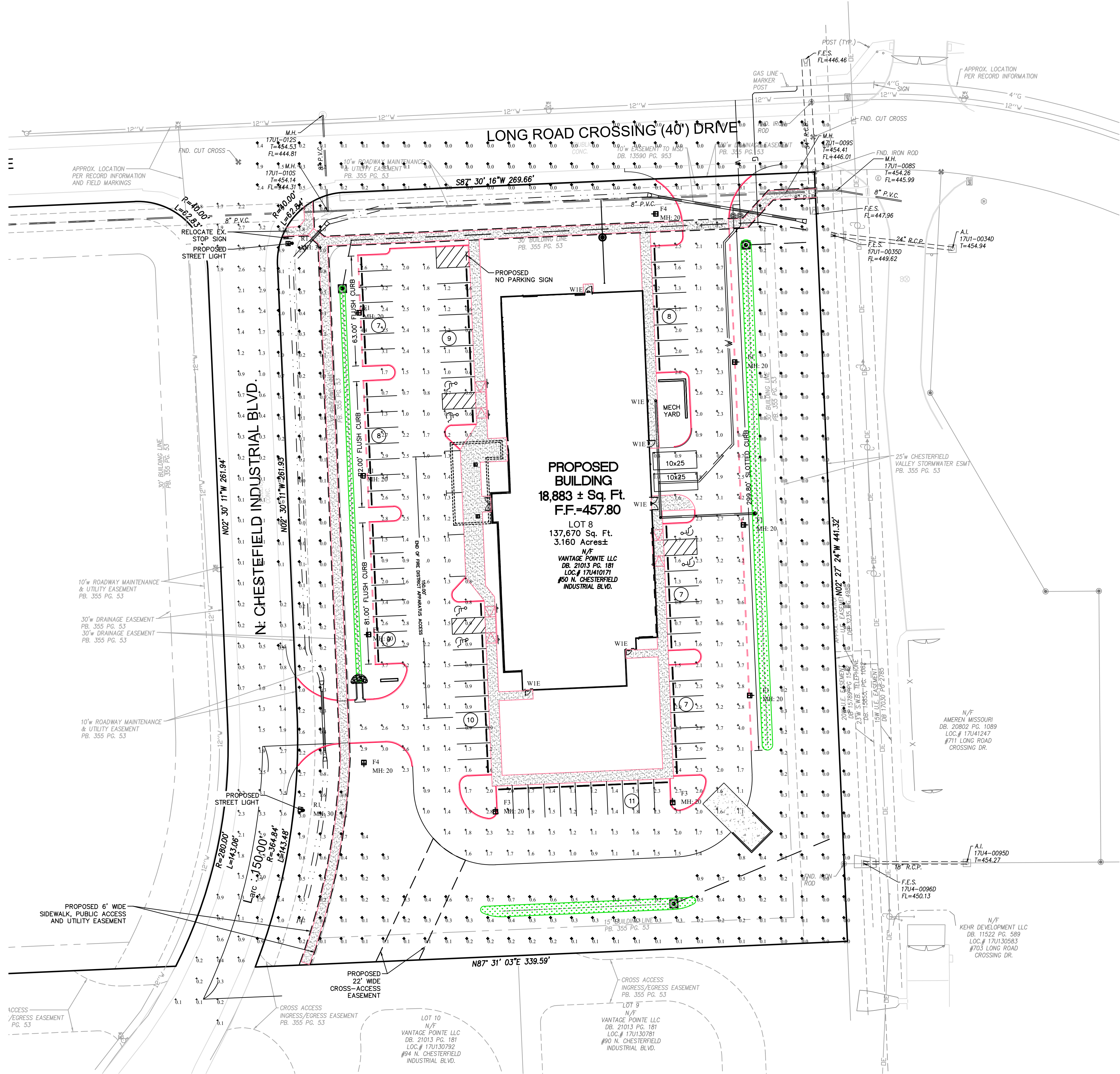
SYMBOLS LEGEND - ROOF PLAN			
BP##	KEYNOTE	1-1-12	ROOF PAVERS
+6.3'	INSULATION THICKNESS	WALKWAY PATHPADS	
o o	PRIMARY AND OVERFLOW ROOF DRAINS	CRICKET BETWEEN ROOF DRAINS	
→	FLAT STRUCTURE WITH TAPERED INSULATION (1/4" PER FOOT SLOPE UNLESS NOTED OTHERWISE)		
→	SLOPED STRUCTURE WITH CONSISTENT THICKNESS INSULATION (1/4" PER FOOT SLOPE UNLESS NOTED OTHERWISE)		
ANCHOR	ROOF ANCHOR (WALL MOUNTED)	CRICKET AT EQUIPMENT	
ANCHOR	ROOF ANCHOR (DECK MOUNTED)		
OUTSIDE LIMITS	CONSTRUCTION LIMITS	ZONE 1 MATCH LINE	
WITHIN LIMITS		ZONE 2	

KEYNOTES - ROOF PLAN	
REV	NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH DRAWING



BWBR Comm. No. P.2400230.00
Sheet Title
ROOF PLAN, ROOF INFORMATION

500



FIXTURES MOUNTED ON 18' POLE & 2' BASE
LIGHT LEVEL CALCULATED ON THE GROUND

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ROADWAY	Illuminance	Fc	1.22	3.6	0.1	12.2	36.0
SITE	Illuminance	Fc	1.84	4.6	0.4	4.6	11.5
SPILL LIGHT	Illuminance	Fc	0.31	4.2	0.0	N.A.	N.A.

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Lum. Watts	Total Watts	Description
	6	F1	Single	1.000	125	750	GALN-SA2D-740-U-T4FT-HSS
	2	F3	Single	1.000	108	216	GALN-SA2C-740-U-5WQ
	2	F4	Single	1.000	57	114	GALN-SA1C-740-U-SLR-HSS
	2	R1	Single	1.000	160	320	GALN-SA3C-740-U-T2

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST.
ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE, AND
EXISTING FIELD CONDITIONS, THAT EFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL
VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

PREPARED BY:

STOCK & ASSOCIATES
Consulting Engineers, Inc.

SITE DEVELOPMENT SECTION PLAN FOR:
**ONYX SPINE AND ORTHOPEDIC INSTITUTE
AMBULATORY SURGERY CENTER AND CLINIC at LOT 8**
50 N. CHESTERFIELD INDUSTRIAL BLVD.
CHESTERFIELD, MISSOURI 63005



03/10/25
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:
1 DD PLANS 02/21/25
2 03/06/25 REVISED PER CITY
AND CLIENT
3 03/10/25 SDSP RESUBMITTAL
TO CITY

DRAWN BY: D.P.B. CHECKED BY: G.M.S.
DATE: 01/03/2025 JOB NO: 224-7656
KSD: P # BASE MAP: 17-V
ZMSD: - RAY SUP: XX-XXX-XX
S.L.C. RAY # XX-XXX-XX
M.D.N.R. #
MO-RA

SHEET TITLE:
SITE DEVELOPMENT
SECTION PLAN
- LIGHTING PLAN -

SHEET NO.:
SDSP-3

McGraw-Edison GALN Galleon II									
SA Light Squares, Output Level 3, 4000K CCT, 70 CRI									
Number of Light Squares	1	2	3	4	5	6	7	8	9
Normal Power (Watts)	57	108	160	213	265	321	377	429	481
Input Current @ 120V	0.478	0.905	1.358	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V	0.279	0.532	0.793	1.054	1.315	1.599	1.845	2.093	2.239
Input Current @ 240V	0.243	0.460	0.684	0.915	1.120	1.350	1.582	1.788	1.991
Input Current @ 277V	0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V	0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V	0.121	0.238	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics									
T1	Lumens	7101	14119	20590	27763	35146	41616	48882	56671
BUS Rating	B8-10-01	B8-10-02	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04
Lumens per Watt	124	129	130	130	130	129	129	129	127
T2	Lumens	7154	14219	21307	27970	35490	41927	49247	57094
BUS Rating	B8-10-02	B8-10-02	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04
Lumens per Watt	126	127	127	127	127	127	127	127	126
Lumens	7250	14498	21389	28341	35861	43487	49906	57607	64564
BUS Rating	B8-10-01	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04
Lumens per Watt	127	129	130	130	130	129	129	129	128
Lumens	7264	14520	21613	27760	34914	42460	49069	56297	62860
BUS Rating	B8-10-02	B8-10-02	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04
Lumens per Watt	124	130	130	129	130	129	129	131	131
Lumens	7288	14498	21477	28461	35929	43419	49906	57094	64564
BUS Rating	B8-10-02	B8-10-02	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05
Lumens per Watt	128	134	134	134	134	133	133	135	136
Lumens	7298	14507	21501	27763	35146	41616	48882	56671	64564
BUS Rating	B8-10-01	B8-10-02	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04
Lumens per Watt	125	131	131	130	130	130	132	132	132
Lumens	7119	14146	21033	27882	35203	41720	49048	56812	63781
BUS Rating	B8-10-02	B8-10-02	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04
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Lumens	7101	14112	20549	27763	35146	41614	48879	56669	63619
BUS Rating	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05
Lumens per Watt	124	129	129	129	129	129	129	129	129
Lumens	7251	14213	20882	27566	34887	41301	48335	56299	63772
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Lumens per Watt	124	129	129	129	129	129	129	129	129
Lumens	6903	13329	20541	27223	34403	41608	49102	56505	62386
BUS Rating	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05
Lumens per Watt	124	129	129	129	129	129	129	129	129
Lumens	7424	14736	21893	28905	36763	43988	51368	59247	66819
BUS Rating	B8-10-01	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04
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Lumens	7461	14838	22012	29109	36965	44725	52390	60464	68486
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Lumens per Watt	131	137	138	137	137	136	138	139	139
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BUS Rating	B8-10-02	B8-10-02	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05
Lumens per Watt	131	137	137	137	137	136	138	139	139
Lumens	6116	12107	18001	23973	30366	36763	43164	49565	54986
BUS Rating	B8-10-02	B8-10-02	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05
Lumens per Watt	108	113	113	113	113	112	114	114	114
Lumens	7240	14487	21453	28504	36205	43913	50522	58372	64797
BUS Rating	B8-10-01	B8-10-02	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04
Lumens per Watt	129	135	135	135	134	134	137	137	137
Lumens	7183	14276	21193	28004	35802	42908	49440	57227	64489
BUS Rating	B8-10-01	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04
Lumens per Watt	126	132	132	132	131	131	134	134	134

* Normal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.
PSS02002EN page 9
October 16, 2024 2:11 PM

McGraw-Edison										GALN Galleon II									
SA Light Squares, Output Level 4, 4000K CCT, 70 CRI																			
Number of Light Squares		1		2		3		4		5		6		7		8		9	
Normal Power (Watts)		65	125	184	245	309	368	433	493	552									
Input Current @ 120V		0.546	1.041	1.535	2.022	2.578	3.074	3.619	4.140	4.605									
Input Current @ 208V		0.316	0.610	0.893	1.219	1.504	1.785	2.113	2.397	2.679									
Input Current @ 240V		0.279	0.523	0.756	1.046	1.282	1.516	1.806	2.041	2.274									
Input Current @ 277V		0.241	0.460	0.662	0.920	1.130	1.325	1.593	1.807	1.987									
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.499	1.628									
Input Current @ 480V		0.138	0.269	0.391	0.537	0.660	0.782	0.902	1.007	1.173									
Optics																			
T1	Lumens	7814	15329	22005	28649	36872	42793	51387	62138	70070									
	BUS Rating	B8-10-01	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	120	124	126	126	126	126	126	126	127									
	Lumens	7872	15495	22229	28777	36962	43195	51489	62284	70330									
T2	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05									
	Lumens per Watt	121	125	126	126	126	126	126	127	128									
	Lumens	7927	15584	22336	28916	37140	43375	51613	62465	70463									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05									
T2B	Lumens per Watt	123	127	128	127	128	127	127	129	129									
	Lumens	7962	15677	22401	29044	37268	43507	51747	62601	70646									
	BUS Rating	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05									
	Lumens per Watt	119	123	124	124	124	124	124	126	126									
T3	Lumens	8009	15920	23002	29517	37644	43879	52120	62973	71981									
	BUS Rating	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05									
	Lumens per Watt	123	127	128	128	128	128	128	130	130									
	Lumens	7810	15522	22344	28935	36965	43195	51387	62138	69979									
T4B	BUS Rating	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05									
	Lumens per Watt	120	124	125	125	125	125	124	124	126									
	Lumens	7833	15569	22110	28625	36769	42907	50321	62133	69153									
	BUS Rating	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05									
T4B	Lumens per Watt	121	125	126	126	126	126	126	126	127									
	Lumens	7819	15529	22052	28547	36679	42793	50321	62138	69979									
	BUS Rating	B8-10-02	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05	B8-10-05									
	Lumens per Watt	119	123	124	124	124	124	124	126	126									
B12	Lumens	7652	15228	22026	28595	37371	43603	52142	61146	68446									
	BUS Rating	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-05	B8-10-05	B8-10-05	B8-10-05									
	Lumens per Watt	114	117	118	118	117	117	117	118	118									
	Lumens	8169	16293	23100	29615	37644	43879	52120	62974	71981									
B12B	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	125	130	130	130	130	130	130	130	132									
	Lumens	8169	16293	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
B12B	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
B12B	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
B12B	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
B12B	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
B12B	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
B12B	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
B12B	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
B12B	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
B12B	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
B12B	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
B12B	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
B12B	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-10-03	B8-10-04	B8-10-04	B8-10-04	B8-10-04	B8-10-04									
	Lumens per Watt	126	131	132	131	131	131	131	131	133									
	Lumens	8162	16292	23100	29615	37644	43879	52120	62974	71981									
	BUS Rating	B8-10-02	B8-10-02	B8-10-03	B8-														

Dresden

Architectural Full Cutoff

Wall Mounted Luminaire

Indoor/Outdoor

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

- DRIVER** — Universal Voltage (120/277v), 50/60Hz Electronic Driver. <20% THD / PF <0.90. 0-10V low voltage dimming is standard, with dim level 100-10% (See Note 3 on Page 2). 347 and 480 Volt are optional.
- HOUSING** — Die-cast Aluminum Housing with Full Cutoff frame. Features Integral heatsink and driver compartment.
- LENS** — One-piece Molded Type IV Clear Polycarbonate Lens.
- FINISH** — Bronze Textured Powdercoat Finish over a Chromate Coated Coating.
- LIGHT ENGINE** — Energy efficient LED designed to replace HID lighting systems. Standard 80 CRI.
- MOUNTING** — Mounts directly over a 4" Recessed Outlet Box. Includes user-friendly wall mount bracket with built-in level. Recommended mounting height of 12 to 25 feet.
- OPERATING TEMP** — -40°C to +50°C Environment.
- COMPLIANCE** — Built to comply with U.S. and Canadian safety standards. CSA listed for Wet Locations. ANSI/UL 1598, 8750. IP66 Sealed LED Compartment.
- WARRANTY** — 5-Year Limited Warranty.



ORDERING INFO

Series	Size	Wattage	CCT	Voltage	Finish	Options
ORDERING GUIDE:						

SERIES

DD = Dresden

SIZE

S = Small (8 3/4" W x 11" L x 5 3/4" D)

L = Large (15" W x 12" L x 6" D)

WATTAGE

Note: Delivered Lumens based on 4000K

Dresden Small LED Wattages

LED17 = 17 Watt LED (2,140 Lumens)

LED25 = 25 Watt LED (3,151 Lumens)

LED37 = 37 Watt LED (4,459 Lumens)

LED81 = 81 Watt LED (9,166 Lumens)

Dresden Large LED Wattages

LED81 = 81 Watt LED (9,700 Lumens)

LED112 = 112 Watt LED (13,636 Lumens)

LED174 = 174 Watt LED (20,327 Lumens)

COLOR TEMPERATURE (CCT)

3K = ±3000K range (Size Small ONLY)

4K = ±4000K range

5K = ±5000K range

VOLTAGE

347 = 347 Volt (Size Large ONLY)

480 = 480 Volt (Size Large ONLY)

UNV = Universal Volt (120-277v) Driver

STANDARD FINISH

BZ = Bronze Finish (STANDARD)

PREMIUM UPCHARGE FINISH

CC = Custom Color (Consult Factory)

PHOTOCELL OPTIONS

9328 = Photocell Button – 120/277V

CONTROL OPTIONS

Sensor Control (Sensor Integral to Fixture)

OCC = Occupancy Sensing | Motion Sensor Integral
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets: ON/OFF (0%/100%)

BLD = Bi-Level Dimming | Motion Sensor Integral
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets:
10% / 20% / 30% (Standard) / 50%

MISC OPTIONS

FUS = Single Fuse

DFUS = Double Fuse

EMERGENCY BATTERY OPTIONS

EL4W = Integral LED 4 Watt (120/277V Only)

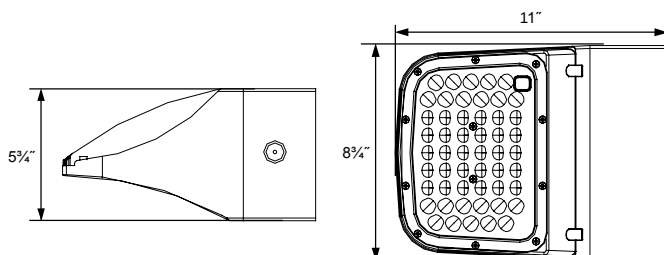
— Operating Temp Range: 0°F to 122°F

EL4W-CW = Integral LED 4 Watt - Cold Weather (120/277V Only)

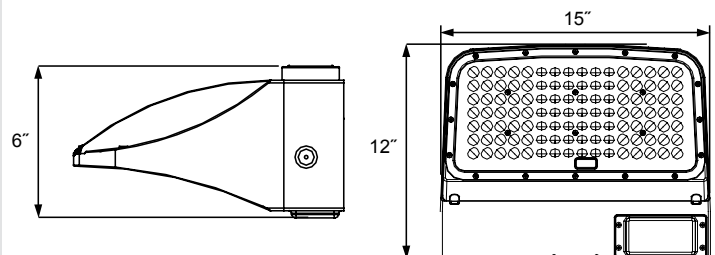
— Operating Temp Range: -4°F to 122°F

DIMENSIONS

Dresden Small



Dresden Large



Dresden

Architectural Full Cutoff

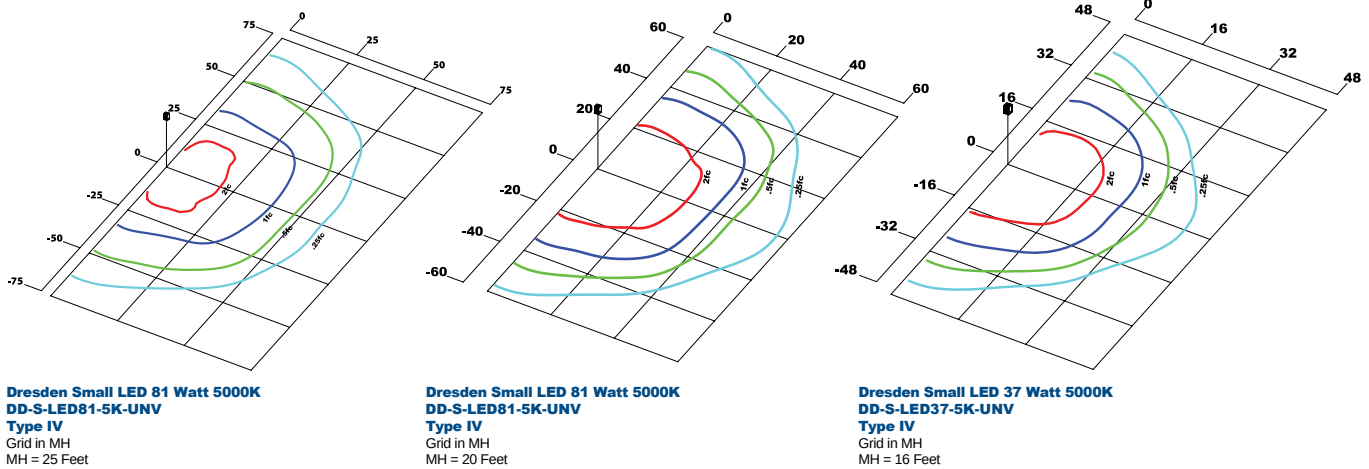
Wall Mounted Luminaire

Indoor/Outdoor

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

DRESDEN SMALL PHOTOMETRIC DATA



DRESDEN SMALL PHOTOMETRIC PERFORMANCE

Wattage	Drive Current (mA)	Input Watts	Optics	5000K / 80 CRI					4000K / 80 CRI					3000K / 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
17 Watt	525	19	Type IV	2,326	120	1	0	1	2,140	112	1	0	1	-	-	-	-	-
25 Watt	525	28	Type IV	3,424	122	1	1	1	3,151	113	1	1	1	-	-	-	-	-
37 Watt	525	42	Type IV	4,604	110	1	1	1	4,459	106	1	1	1	4,259	101	1	1	1
81 Watt	525	84	Type IV	9,278	110	2	1	2	9,166	109	2	1	2	8,582	102	2	1	2

DRESDEN SMALL PROJECTED LUMEN MAINTENANCE

DATA SHOWN FOR 5000 CCT						
TM-21-11 ¹	Input Watts	Initial	25,000 Hrs ²	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	84	1.00	0.99	0.98	0.95	646,000
L70 Lumen Maintenance @ 50°C / 122°F	84	1.00	0.98	0.97	0.93	455,000
L70 Lumen Maintenance @ 40°C / 104°F	84	1.00	0.98	0.97	0.94	320,000

NOTES:

- Projected per IESNA TM-21. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.
- Field wiring of 0-10V Dimming is NOT IMPLIED and may not be available. Luminaires are tested with Eclipse Lighting Inc. supplied controls and may not function properly with controls Supplied by Others.

Dresden

Architectural Full Cutoff

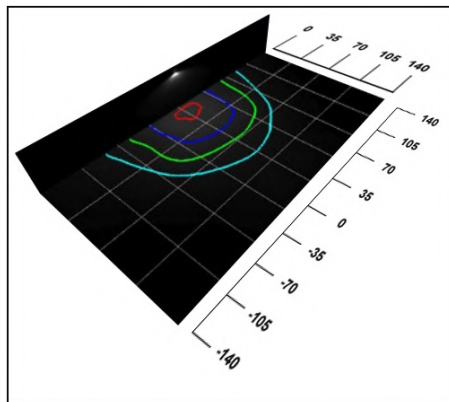
Wall Mounted Luminaire

Indoor/Outdoor

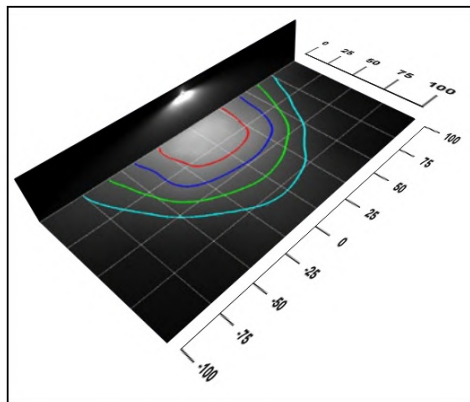
We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

DRESDEN LARGE PHOTOMETRIC DATA



Dresden Large LED 175 Watt 5000K
DD-L-LED174-5K-UNV
Type IV
Grid in MH
MH=35 Feet



Dresden Large LED 175 Watt 5000K
DD-L-LED174-5K-UNV
Type IV
Grid in MH
MH=25 Feet

DRESDEN LARGE PHOTOMETRIC PERFORMANCE

Led Wattage	Drive Current (mA)	Input Watts	Optics	5000K / 80 CRI					4000K / 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
81 Watt LED	525	93	Type IV	10,402	112	3	3	3	9,700	104	3	3	3
112 Watt LED	525	131	Type IV	14,689	112	3	3	3	13,697	105	3	3	3
174 Watt LED	525	188	Type IV	21,374	114	3	3	3	19,931	106	3	3	3

DRESDEN LARGE PROJECTED LUMEN MAINTENANCE

DATA SHOWN FOR 5000 CCT						
TM-21-11 ¹	Input Watts	Initial	25,000 Hrs ²	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	188	1.00	0.99	0.98	0.95	646,000
L70 Lumen Maintenance @ 50°C / 122°F	188	1.00	0.98	0.97	0.93	455,000
L70 Lumen Maintenance @ 40°C / 104°F	188	1.00	0.98	0.97	0.94	320,000

NOTES:

- ¹ Projected per IESNA TM-21. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- ² Indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.