

## Planning Commission Staff Report

<b>Project Type:</b>	Site Development Section Plan
<b>Meeting Date:</b>	April 13, 2020
<b>From:</b>	Chris Dietz, Planner
<b>Location:</b>	18349 Wings Corporate Drive
<b>Description:</b>	<b><u>Wings Corporate Estates, Lot 2 (The Warehouse):</u></b> A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a 1.54-acre tract of land zoned "PI" Planned Industrial District located on the north side of Wings Corporate Drive within the Wings Corporate Estates subdivision (18W430134).

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### **PROPOSAL SUMMARY**

This request is for a 14,877 square-foot office/warehouse building located on the north side of Wings Corporate Drive within the Wings Corporate Estates subdivision. This would be the fifth such building proposed in the Wings Corporate Estates subdivision and is being developed in conjunction with a Site Development Section Plan proposed on Lot 1, which is adjacent to this site. The subject site is zoned "PI" – Planned Industrial District and is governed under the terms and conditions of City Ordinance 2237.

### **HISTORY OF SUBJECT SITE**

The City of Chesterfield approved Ordinance 2237 on February 6, 2006, which changed the zoning of the subject site from "NU" Non-Urban District to "PI" Planned Industrial District. Following the change of zoning, the City of Chesterfield approved the Site Development Concept Plan for Wings Corporate Estates on September 11, 2006. The Record Plat for the development was approved on February 4, 2008 to subdivide the development into twenty-one (21) lots. On



*Figure 1: Subject Site Aerial*

October 10, 2019, the Architectural Review Board passed a recommendation of approval for this project by a vote of 4-0 with several recommendations, which are detailed later in this report.

**LAND USE AND ZONING**

The surrounding zoning districts and land uses for this site are as follows:

Direction	Zoning	Land Use
North	Planned Industrial	Airport (Runway)
South	Planned Industrial	Office/Warehouse
East	Planned Industrial	Proposed Warehouse Development
West	Planned Industrial	Vacant/Agriculture



Figure 2: Future Land Use Plan

**COMPREHENSIVE PLAN**

The City of Chesterfield Comprehensive Land Use Map delineates the subject site within the “Industrial, Low Intensity” land use designation. The Comprehensive Plan states that this designation calls for manufacturing and assembly as well as warehousing and distribution uses.

**3.5.1 Chesterfield Valley Regional Retail and Low Intensity Industry** - Regional retail and low-intensity industrial developments should be located in Chesterfield Valley. These include mixed-use office/retail-planned developments, low-intensity industrial assembly, distribution, and research and development business parks, and corporate campuses. Specifically, low-intensity industrial use is encouraged west of Long Road.

**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.

Additionally, one Chesterfield Valley Design Policy applies to this development as well:

**Pedestrian Circulation** - In order to promote pedestrian movement, each development is required to address pedestrian circulation within and between all developments. This pedestrian system shall be designed in an overall safe, clearly understood plan meeting ADA (American Disabilities Act) requirements.

## **STAFF ANALYSIS**

### **Zoning**

The subject site is zoned "PI" Planned Industrial District and is governed by the development standards of City Ordinance 2237. This request was reviewed against the provisions of City Ordinance 2237 as well as all applicable requirements of the Unified Development Code (UDC), and the proposed development adheres to these requirements.

### **Circulation System and Access**

Access to this development will be served by an access drive shared with the concurrently proposed development of Lot 1 within Wings Corporate Estates between the two sites. This will be the only vehicular access point to Lot 2. This shared driveway will serve both the front parking area as well as the loading area to the rear of the building. Pedestrian access is provided from the parking area to the building. Though sidewalks are not provided along Wings Corporate Drive in this development due to stormwater drainage areas located in the front of the development, an existing sidewalk is located along the south side of the same road on Lot 14 and is designed to continue throughout the subdivision.

### **Off-Street Parking and Loading**

Parking is primarily located in the front of the building, with four (4) additional stalls located in the back of the building near the loading area. Two loading spaces are located in the back of the building on the north side of the property and are accessed from the private drive between Lots 1 and 2. This site complies with off-street parking and loading standards of the UDC.

### **Landscaping**

When developed, the site's landscaping will consist of a variety of evergreen and deciduous trees as well as a mix of ornamental plantings throughout the site. Tree plantings are located heavily in the parking area with additional trees in the loading area in the back of the site and three evergreen trees located along the western side of the building. The main entrance to the building and monument sign location will feature ornamental plantings while the trash enclosure will be partially screened by shrubs. All proposed landscaping complies with UDC requirements for this development.

### **Lighting**

Lot 2 will utilize similar utilitarian fixtures found on Lot 1, with the exception of two wall-mounted decorative fixtures located on either side of the main entrance to the building. These types of fixtures require Planning Commission approval and may be approved so long as they enhance the appearance of the site and do not emit off-site glare in excess of 0.5 footcandles of illumination. Other fixtures throughout the site include wall-mounted fixtures along the north and west elevations of the building as

well as pole-mounted parking fixtures. Additionally, a streetlight will be placed along Wings Corporate Drive. These fixtures are utilitarian in nature.

The UDC requires all streetlights in nonresidential districts to be mounted at no less than 22 feet above grade. Currently, the mounting height of the streetlight is 20 feet above grade. All other fixtures comply with the City's lighting standards.

### Architectural Elevations

The speculative building for this site is intended to be consistent with building material and design of other developments within the Wings Corporate Estates subdivision. This includes heavy utilization of brick and stone architectural features as well as a pediment and gargoyle features adorning the south elevation of the structure. Portions of the east and west, and the entirety of the north elevation will be tilt-up concrete material with the continuation of infilled windows and doors toward the rear of the building.

All windows will feature arched headers and cast stone sills. A portion of windows will be infilled with brick on the upper level of the south elevation, and on east and west elevations. Rooftop mechanical units will be screened on south, east and west elevations with screening panels covering these units from view on the north elevation of the building. Information on these screening panels can be found in the submittal packet for this project.



Figure3: South Elevation

### **ARCHITECTURAL REVIEW BOARD INPUT**

On October 10, 2019, the Architectural Review Board passed a recommendation of approval by a vote of 4-0 with nine (9) recommendations, as noted below:

1. The pediment feature on the south elevation should be integrated into the building's design and architecture.
2. Provide larger scale representations of the projected brick detailing proposed in the following locations: roofline, infilled and glass windows, transition area between the brick façade and tilt-up concrete, quoins, and other projected brick detailing.
3. Ensure there is adequate offset in transition between the masonry and tilt-up concrete materials, specifically on the west elevation.



4. Provide a detail depicting the recessed nature of all infilled windows to ensure they are offset from the exterior wall.
5. Deepen the hue of the tilt-up concrete color within the proposed infilled windows.
6. Provide retaining wall material samples prior to Planning Commission review.
7. Provide material samples for the prefinished canopy, metal gutters, and downspouts to ensure they are proposed as a “dark bronze” color. Clarify this color selection for each item on the color elevations.
8. Fully screen the rooftop mechanical units from all four sides with a quality material.
9. Provide additional evergreen landscaping along the west side of the loading area to screen the drive-in doors.

The applicant has since responded and fulfilled each of the conditions listed above, with the exception of Item 1. After the ARB meeting, the applicant’s architect studied the historical accuracy of the pediment, experimented with different materials, and reviewed a possible change in size of the architectural feature. After review, the owner understood the consideration of the Board but chose to move forward with the pediment feature as submitted.



Figure 4: Architectural Rendering

### **STAFF RECOMMENDATION**

Staff has reviewed the Site Development Section Plan of Wings Corporate Estates, Lot 2 (The Warehouse) and has found the proposal to be in compliance with the site-specific ordinance, Comprehensive Plan, and all City Code requirements. Staff recommends approval to the Planning Commission upon a finding that adequate changes have been made to address the recommendations of the Architectural Review Board.

**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 Wings Corporate Estates, Lot 2".
- 2) "I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Wings Corporate Estates, Lot 2, with the following conditions..." (Conditions may be added, eliminated, altered or modified)

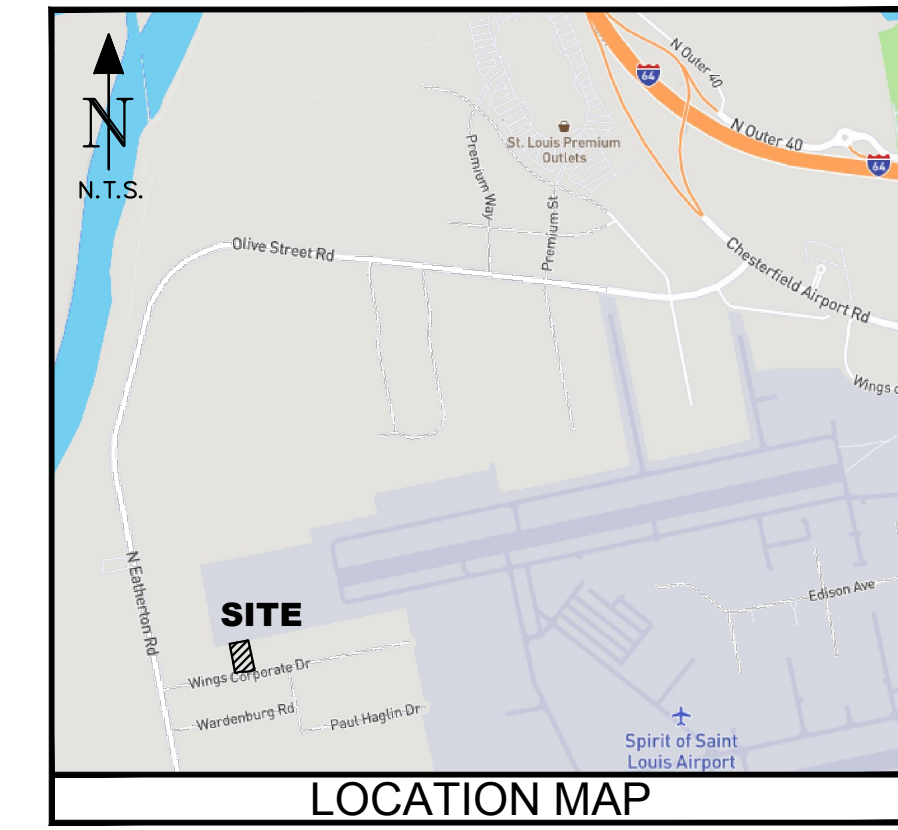
Attachments: Site Development Section Plan Submittal Packet



# SITE DEVELOPMENT SECTION PLAN

## WINGS CORPORATE ESTATES LOT 2

A TRACT OF LAND IN US SURVEY 362 & 133 TOWNSHIP 45 NORTH, RANGE 3 EAST  
BEING LOT 2 OF WINGS CORPORATE ESTATES AS RECORDED IN PLAT BOOK  
356 PAGES 79 THRU 81 OF THE ST. LOUIS COUNTY LAND RECORDS,  
CITY OF CHESTERFIELD, ST LOUIS COUNTY, MISSOURI



NOTE: THIS PLAN ASSUMES THE SIMULTANEOUS CONSTRUCTION OF LOTS 1 & 2 OF WINGS CORPORATE ESTATES. THE TWO LOTS WILL BE CONSTRUCTED BY THE SAME DEVELOPER BUT UNDER SEPARATE PERMITS. SEE ATTACHED SITE DEVELOPMENT SECTION PLAN FOR WINGS CORPORATE ESTATES LOT 2.

### SITE NOTES:

- PROPERTY OWNER/  
PREPARED FOR: D F ADAMS & ASSOCIATES INC.  
C/O DOUG ADAMS  
252 LITTLE HARBOUR LN  
NAPLES, FL 34102
- PROPERTY ADDRESS: 18349 WINGS CORPORATE DRIVE  
CHESTERFIELD, MO 63005
- SITE LOCATOR #: 18W430134
- SITE AREA: 1.54 ACRES±
- LEGAL DESCRIPTION:  
A TRACT OF LAND IN US SURVEY 362 & 133 TOWNSHIP 45 NORTH,  
RANGE 3 EAST BEING LOTS 2 OF WINGS CORPORATE ESTATES AS  
RECORDED IN PLAT BOOK 356 PAGES 79 THRU 81 OF THE ST.  
LOUIS COUNTY LAND RECORDS, CITY OF CHESTERFIELD, ST LOUIS  
COUNTY, MISSOURI
- PER FIRM MAP PANELS 29189C0145K WITH AN EFFECTIVE DATE  
FEBRUARY 4, 2015, THE SUBJECT PROPERTY LIES WITHIN FLOOD  
ZONE "X" (AREAS OF 500-YEAR FLOOD; AREAS OF 100 YEAR FLOOD  
WITH AVERAGE DEPTHS OF LESS THAN ONE (1) FOOT, OR WITH  
DRAINAGE AREAS LESS THAN ONE (1) SQUARE MILE, AND AREAS  
PROTECTED BY LEVES FROM THE 100-YEAR FLOOD).
- EXISTING ZONING: "PI" PLANNED INDUSTRIAL DISTRICT  
ORDINANCE #2237
- SETBACKS PER ZONING:  
BUILDING FRONT PARKING  
FRONT =20' FRONT =10'  
SIDE =10' SIDE =5'  
REAR =10' REAR =5'
- UTILITY PROVIDERS:  
WATER DISTRICT: MISSOURI AMERICAN WATER  
FIRE DISTRICT: MONARCH FIRE PROTECTION DISTRICT  
SCHOOL DISTRICT: ROCKWOOD  
SEWER DISTRICT: METROPOLITAN ST. LOUIS SEWER DISTRICT  
WATERSHED: MISSOURI RIVER  
GAS SERVICE: LACLEDE GAS COMPANY  
ELECTRIC SERVICE: AMEREN UE  
PHONE SERVICE: AT&T

### BENCHMARK INFORMATION:

MSD BENCHMARK:  
11-109, ELEV=461.24'

"STANDARD ALUMINUM DISK" STAMPED SL-41 1990 DISK IS SET ALONG  
THE EAST SIDE OF EATHERTON ROAD JUST NORTH OF THE SHELL PIPELINE  
MARKER; 19' EAST OF THE CENTERLINE OF EATHERTON AND 60' NORTH OF  
THE EAST PIPELINE MARKER. APPROXIMATELY 1.1 MILE SOUTH OF THE  
INTERSECTION OF OLIVE STREET ROAD AND EATHERTON ROAD.

SITE BENCHMARK:  
MEASURED ELEVATION 463.02' (MODOT VRS, N.A.V.D.-88)

"O" IN OPEN ON A FIRE HYDRANT LOCATED 43' +/- NORTHEAST FROM A  
FOUND CROSS IN THE CENTERLINE OF WINGS CORPORATE DRIVE AT THE  
SOUTHWEST CORNER OF LOT 2.

### DEVELOPMENT NOTES:

- TOTAL AREA DISTURBED (LOTS 1&2): 139,417 SQ. FT. OR 3.20 ACRES±
- PARKING CALCULATIONS:  
PARKING REQUIREMENTS:  
1/3 OFFICE MIN=3.3/1000 G.S.F.=4,780/1000 X 3.3= 16 SPACES  
MAX=4.5/1000 G.S.F.=4,780/1000 X 4.5= 22 SPACES  
2/3 WAREHOUSE MIN=2 SPACES/EVERY 3 EMPLOYEES ON MAX. SHIFT  
2 SPACES X 20 EMPLOYEES / 3 = 13 SPACES  
MAX=1.2 SPACES/EVERY 1 EMPLOYEES ON MAX. SHIFT  
1.2 SPACES X 20 EMPLOYEES / 1 = 24 SPACES  
TOTAL MIN REQUIRED = 16 + 13 = 29 SPACES  
TOTAL MAX ALLOWED = 22 + 24 = 46 SPACES  
PARKING PROVIDED  
STANDARD 9'X19' =27 SPACES  
A.D.A ACCESSIBLE = 2 SPACES (W/ 1 VAN)  
TOTAL =29 SPACES
- DENSITY CALCULATIONS - LOT 2 PROPERTY  
GREENSPACE: (REQUIRED MINIMUM 30%)  
24,686 S.F. PERVIOUS X 100 =37%  
67,068 S.F. TOTAL SITE  
IMPERVIOUS COVERAGE:  
42,382 S.F. PERVIOUS X 100 =63%  
67,068 S.F. TOTAL SITE  
BUILDING COVERAGE F.A.R.: (REQUIRED MAXIMUM 55%)  
14,868 S.F. PERVIOUS X 100 =22%  
67,068 S.F. TOTAL SITE  
OPENSPACE:(GREEN PLUS SIDEWALKS AND WALLS)(REQUIRED MINIMUM 30%)  
25,859 S.F. PERVIOUS X 100 =38%  
67,068 S.F. TOTAL SITE
- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION  
AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE  
ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES,  
EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE  
RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO  
ANY GRADING AND/OR CONSTRUCTION OF IMPROVEMENTS.
- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS  
COUNTY STANDARDS.
- HANDICAP PARKING AND ACCESS REQUIREMENTS SHALL COMPLY WITH SECTION  
512.4 OF THE ST. LOUIS COUNTY BUILDING CODE.
- NO SLOPES SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
- ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS  
COUNTY AND MSD STANDARDS
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE  
POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- THE DEVELOPER SHALL PROVIDE ADEQUATE STORM WATER SYSTEMS IN  
ACCORDANCE WITH ST LOUIS COUNTY AND M.S.D. STANDARDS.
- INTERIM STORM WATER DRAINAGE CONTROL IN THE FORM OF SILTATION  
CONTROL MEASURES SHALL BE PROVIDED.
- ADDITIONAL SILTATION CONTROL SHALL BE INSTALLED AS REQUIRED BY THE  
CITY OF CHESTERFIELD.
- ALL CONSTRUCTION SHALL BE PER MOST CURRENT DETAILS LOCATED IN THE  
ST LOUIS COUNTY DESIGN CRITERIA MANUAL AND/OR THE SEDIMENT AND  
EROSION CONTROL MANUAL.
- ALL AFFECTED OFFSITE PROPERTY OWNERS SHALL BE GIVEN NOTICE 48  
HOURS IN ADVANCE OF ANY WORK.
- ANY DISTURBED OFF SITE PROPERTY (I.E. BUSHES, FENCES, MAILBOXES, ETC)  
SHALL BE REPLACED IN KIND AT THE DEVELOPERS EXPENSE.

### ST. LOUIS COUNTY STANDARD CONCEPT NOTES:

- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY  
STANDARDS.
- NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3  
(HORIZONTAL) TO 1 (VERTICAL).
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE  
POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM  
ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
- ALL SIDEWALKS AND ASSOCIATED ACCESSIBILITY IMPROVEMENTS WITHIN  
RIGHT-OF-WAY SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY ADA  
STANDARDS.
- A SIGNED/SEALED NOTE SHALL BE ADDED TO THE CONSTRUCTION PLANS  
INDICATING THAT THE UNIMPROVED EXISTING SIDEWALK/PEDESTRIAN PATH  
ALONG THE PROJECT FRONTAGE MEETS CURRENT ST. LOUIS COUNTY ADA  
STANDARDS.
- ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS  
COUNTY AND MSD STANDARDS.
- 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 HIGHWAYS AND TRAFFIC.
- 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 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.
- PRIOR TO "SPECIAL USE PERMIT" ISSUANCE BY THE ST. LOUIS COUNTY  
DEPARTMENT OF HIGHWAYS AND TRAFFIC, 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 DEPARTMENT OF  
HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED  
ROADWAY IMPROVEMENTS.
- 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.

\_\_\_\_\_, the owner(s) of the property shown on this plan for and in  
consideration of being granted approval of said plan to develop property under the provisions of  
Section 03. \_\_\_\_\_ of City of Chesterfield Unified Development  
(applicable subsection) (present zoning)  
Code, do hereby agree and declare that said property from the date of recording this plan shall be  
developed only as shown thereon, unless said plan is amended by the City of Chesterfield, or  
voided or vacated by order of ordinance of the City of Chesterfield Council.

(Signature): \_\_\_\_\_  
(Name Typed): \_\_\_\_\_

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS. \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 20\_\_\_\_, before me personally appeared  
(Officer of Corporation) \_\_\_\_\_ o  
that he/she is the \_\_\_\_\_ of \_\_\_\_\_  
(Title) \_\_\_\_\_ and that the seal affixed to the foregoing instruments  
is the corporate seal of said corporation, and that said instrument was signed on behalf of said  
corporation by authority of its Board of Directors, and the said \_\_\_\_\_  
(Officer of Corporation)  
acknowledged said instrument to be the free act and deed of said corporation.

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS. \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 20\_\_\_\_, before me personally appeared  
\_\_\_\_\_, his wife, to me known  
(Individual) \_\_\_\_\_ (Wife)  
to be the person(s) described in, and who executed the foregoing instrument, and acknowledged  
that he, she or they executed the same as his, her, or their free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my Notarial Seal at my Office in  
\_\_\_\_\_, the day and year last above written.  
(County and State)

My term expires \_\_\_\_\_  
(Notary Public)

This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and  
duly verified on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by the Chairperson of said  
Commission, authorizing the recording of this Site Development Plan pursuant to Chesterfield  
Ordinance Number \_\_\_\_\_ as attested to by the Planning and Development Services Director and the  
City Clerk.

Justin Wyse, AICP  
Planning and Development Services Director  
City of Chesterfield, Missouri

Vickie McGownd, City Clerk  
City of Chesterfield, Missouri

15YR-20MIN STORMWATER RUNOFF DIFFERENTIAL CALCULATIONS	
Project:	180193 - WINGS LOT 2
Date:	6/26/2019
<b>TOTAL SITE (LOT 2 DISTURBED)</b>	
Area (SF)	72,410 = 1.66 Ac
<b>EXISTING SITE (LOT 2 DISTURBED)</b>	
Impervious Area (SF)	(i.e. rooftops, pavement) 0 = 0.00 Ac
	15YR-20MIN PI Factor = 3.54
	15YR-20MIN Flowrate = 0.00 cfs
Pervious Area (SF)	(i.e. green space) 72,410 = 1.66 Ac
	15YR-20MIN PI Factor = 1.70
	15YR-20MIN Flowrate = 2.83 cfs
	Total Existing 15YR-20MIN Flowrate = 2.83 cfs
<b>PROPOSED SITE (LOT 2 DISTURBED)</b>	
Impervious Area (SF)	(i.e. rooftops, pavement) 45,615 = 1.05 Ac
	15YR-20MIN PI Factor = 3.54
	15YR-20MIN Flowrate = 3.71 cfs
Pervious Area (SF)	(i.e. green space) 26,795 = 0.62 Ac
	15YR-20MIN PI Factor = 1.70
	15YR-20MIN Flowrate = 1.05 cfs
	Total Proposed 15YR-20MIN Flowrate = 4.75 cfs
<b>DIFFERENTIAL FLOWRATE</b>	
Total Differential 15YR-20MIN Flowrate =	1.93 cfs



### SHEET INDEX

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- 2 ----- SITE DEVELOPMENT PLAN

### COMPLIANCE WITH GEOTECHNICAL REPORT

\_\_\_\_\_ AT THE REQUEST OF \_\_\_\_\_ HAS PERFORMED A  
GEOTECHNICAL EXPLORATION FOR THE PROPERTY OF WHICH THE PROJECT PROPOSED  
HEREON IS A PART THEREOF. OUR FINDINGS INDICATE THAT THE EARTH RELATED ASPECTS  
ARE SUITABLE FOR THE ELEMENTS SHOWN HEREON PURSUANT TO THE GEOTECHNICAL  
RECOMMENDATIONS AND CONSIDERATIONS SET FORTH IN OUR \_\_\_\_\_ REPORT,  
TITLED \_\_\_\_\_

\_\_\_\_\_ AND THE UNDERSIGNED ASSUME NO RESPONSIBILITY FOR  
SERVICES BY OTHERS (PURSUANT TO RSMO 327.411).

CONSTRUCTION MEANS AND METHODS FOR IMPLEMENTATION OF THE GRADING PLAN SHALL  
BE LEFT TO THE DEVELOPER/CONTRACTOR. OBSERVATIONS OF THE  
DEVELOPER/CONTRACTOR'S COMPLIANCE WITH THE APPLICABLE SPECIFICATIONS SHALL BE  
IDENTIFIED AND VERIFIED IN WRITING.

MISSOURI LICENSE NO.: \_\_\_\_\_

### SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT ST. CHARLES ENGINEERING AND SURVEYING, INC., AT THE  
REQUEST AND FOR THE EXCLUSIVE USE OF D F ADAMS & ASSOCIATES INC. DURING THE  
MONTH OF NOVEMBER, 2018 EXECUTED A PARTIAL TOPOGRAPHIC SURVEY OF "18349 WINGS  
CORPORATE DRIVE", TOWNSHIP 45 NORTH, RANGE 3 EAST, ST LOUIS COUNTY, MISSOURI.  
THIS SURVEY WAS PREPARED IN ACCORDANCE WITH CHAPTER 16 "MISSOURI MINIMUM  
STANDARDS FOR URBAN PROPERTY BOUNDARY SURVEYS (20 CSR 2030-16.010-16.110)."

\_\_\_\_\_  
RICHARD KEITH SIECKMANN MO. P.L.S. #2002014094 DATE \_\_\_\_\_

LINE TYPE	ABBREVIATION	SYMBOL	SYMBOL
EX. SANITARY SEWER	TF	TOP OF FOUNDATION	⊙
PROP. SANITARY SEWER	FF	FINISHED FLOOR	⊙
EX. STORM SEWER	BF	BASEMENT FLOOR	⊙
PROP. STORM SEWER	CONC	CONCRETE	⊙
EX. WATER LINE	T	TOP ELEVATION	⊙
PROP. WATER LINE	FL	FLOW LINE ELEVATION	⊙
TELEPHONE LINE	TBR	TO BE REMOVED	⊙
CABLE LINE	TBR&R	TO BE REMOVED & REPLACED	⊙
OVERHEAD ELECTRIC	UIP	USE IN PLACE	⊙
UNDERGROUND ELECTRIC	ATC	ADJUST TO GRACE	⊙
FENCE LINE	TBA	TO BE ABANDONED	⊙
TREE LINE	EX	EXISTING	⊙
	TYP	TYPICAL	⊙
	CO	CLEAN OUT	⊙
	DS	DOWN SPOUT	⊙
	MIN	MINIMUM	⊙
	R	RADIUS	⊙
	PS	PARKING SPACE	⊙
	EJ	EXPANSION JOINT	⊙
HATCH	CONCRETE		
	ASPHALT		
	GRAVEL		
	LANDSCAPE		
		STORM MANHOLE	⊙
		SANITARY MANHOLE	⊙
		TELEPHONE MANHOLE	⊙
		ELECTRIC MANHOLE	⊙
		CURB INLET	⊙
		AREA INLET	⊙
		DOUBLE CURB INLET	⊙
		GRATED INLET	⊙
		WATER METER	⊙
		WATER VALVE	⊙
		GAS METER	⊙
		GAS VALVE	⊙
		FIRE HYDRANT	⊙
		UTILITY POLE	⊙
		PARKING METER	⊙
		BOLLARD	⊙
		IRRIGATION CONTROL VALVE	⊙
		FLARED END	⊙
		SIGN	⊙
		TRAFFIC CONTROL BOX	⊙
		BOREROLE	⊙
		FLAGPOLE	⊙
		HANDICAP PARKING SPACE	⊙
		MAILBOX	⊙
		ELECTRIC PEDESTAL	⊙
		ELECTRIC METER	⊙
		CABLE PEDESTAL	⊙
		CLEANOUT	⊙
		GUY WIRE	⊙
		CLEANOUT	⊙
		UTILITY POLE	⊙
		PARKING METER	⊙
		BOLLARD	⊙
		IRRIGATION CONTROL VALVE	⊙
		FLARED END	⊙

**ENGINEERS AUTHENTICATION**  
The responsibility for the professional engineering liability on this  
project is hereby limited to the set of plans authenticated by the seal,  
signature and date hereunder attached. Responsibility is disclaimed for  
all other engineering plans involved in the project and specifically  
excludes revisions after this date unless reauthenticated.

**MSD BASE MAP**  
**18W**  
**MSD P-NO.**  
**P-00XXXX-00**

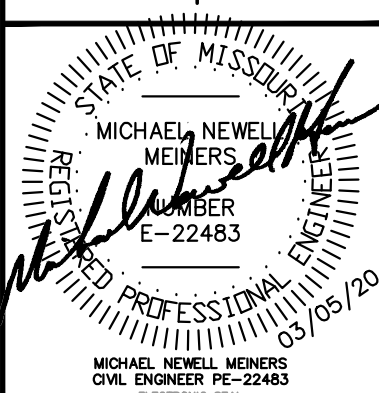
**ORDER NO.**  
180193  
**DATE**  
08/05/2020  
**1**



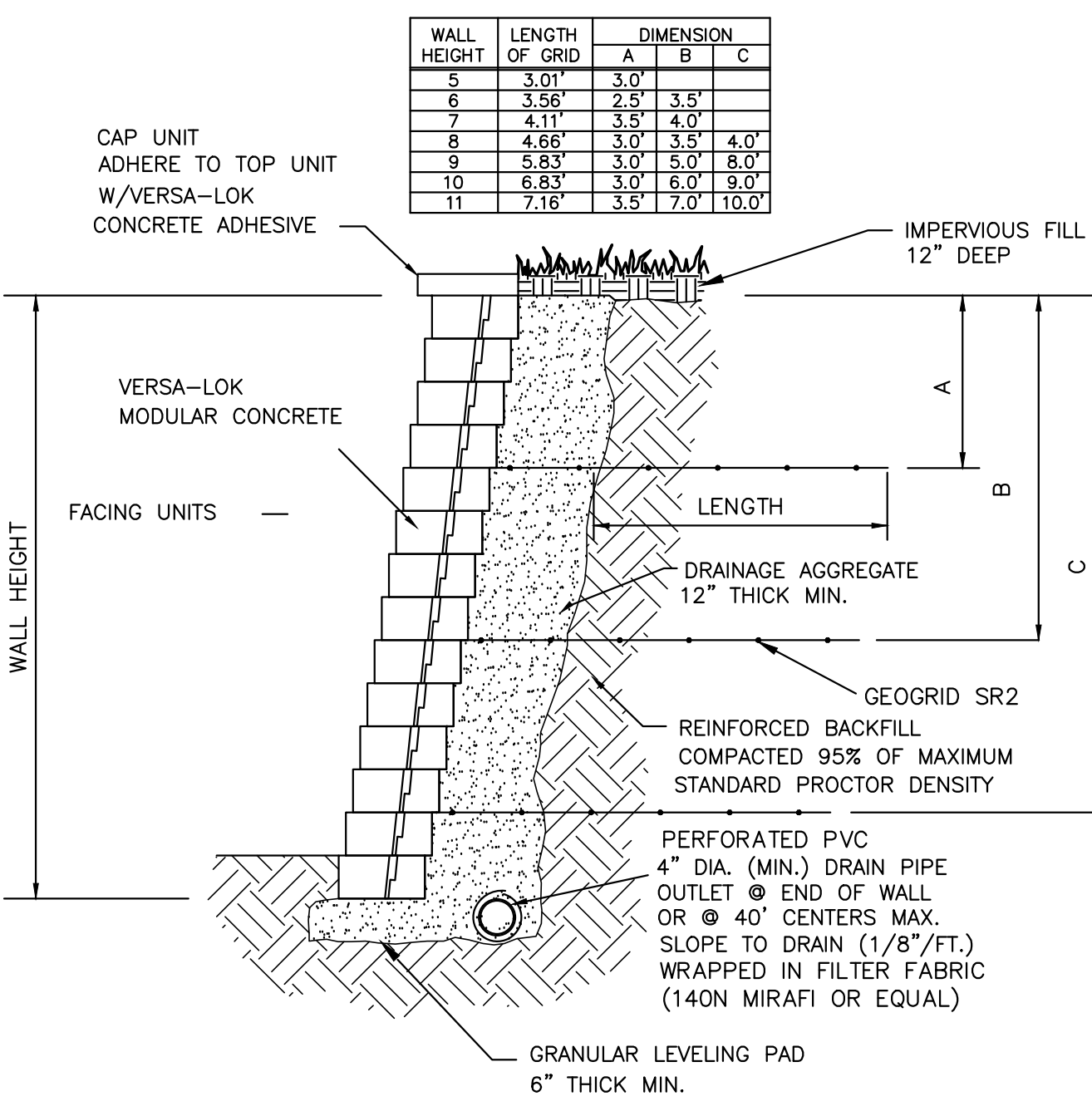
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE  
THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE  
LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS,  
SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY  
GRADING AND/OR CONSTRUCTION OF IMPROVEMENTS.

**SITE DEVELOPMENT SECTION PLAN**  
**WINGS CORP EST LOT 2**  
**18349 WINGS CORPORATE DRIVE**  
**CHESTERFIELD, MISSOURI 63005**  
**COVER**

**ST. CHARLES ENGINEERING & SURVEYING, INC.**  
**801 S. FIFTH STREET, SUITE 202**  
**ST. CHARLES, MO 63801**  
**TEL: (636) 947-0607 FAX: (636) 947-2448**  
**ST CHARLES ENGINEERING AND SURVEYING, INC.**  
**PROFESSIONAL ENGINEERING AND LAND SURVEYING CORPORATION**  
**MISSOURI STATE CERTIFICATES OF AUTHORITY - 001647 & 000379**







**TYPICAL SECTION-REINFORCED RETAINING WALL**  
MODULAR CONCRETE UNIT  
SCALE NONE

**MONARCH FIRE PROTECTION DISTRICT**  
OFFICE OF FIRE PREVENTION  
13725 Olive Blvd., Chesterfield, MO 63017-2640  
Phone: 314.514.0900 Fax: 314.514.0696  
fireprevention@monarchfpd.org  
www.monarchfpd.org

**IFC Section D103.6 Fire Lane Marking**

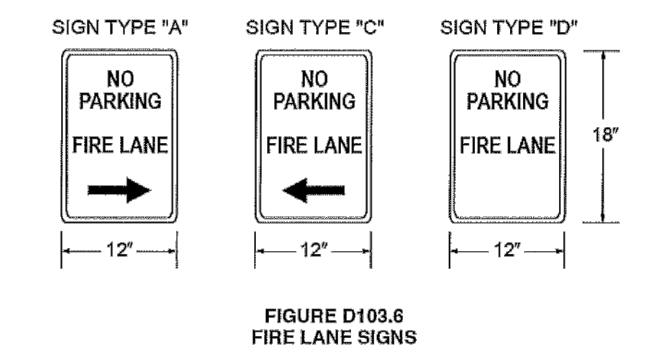
**503.3 Marking.** Where required by the fire code official, approved signs or other approved notices or markings that include the words **NO PARKING-FIRE LANE** shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. The means by which fire lanes are designated shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility.

**D103.6 Signs.** Where required by the fire code official, fire apparatus access roads shall be marked with permanent **NO PARKING-FIRE LANE** signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches wide by 18 inches high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2. In addition to required signage, fire lanes shall be marked by one of the following methods on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.

- Curbs shall be painted red along the entire distance of the fire department access. Minimum 4-inch high white letters with a 1-inch stroke stating **"NO PARKING-FIRE LANE"** shall be stenciled on the curb at 25-foot intervals.
- Rollered curbs or surfaces without curbs shall have a red 6-inch wide stripe painted on the rolled curb or edge of pavement extending the length of the designated fire lane. The surface adjacent to the stripe shall be marked with block lettering a minimum of 18 inches in height and with a minimum 3-inch brush stroke reading: **"NO PARKING-FIRE LANE"**. Lettering shall be in white and spaced at no more than 50-foot intervals.

Exception: Approved areas designated for parking are not required to be marked with signage or painting.

The colors for marking curbs and pavement shall conform to standard highway colors. All signage and marking of fire lanes shall be maintained in a legible condition.



**D103.6.1 Roads 20 to 26 feet in width.** Fire lane signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide.

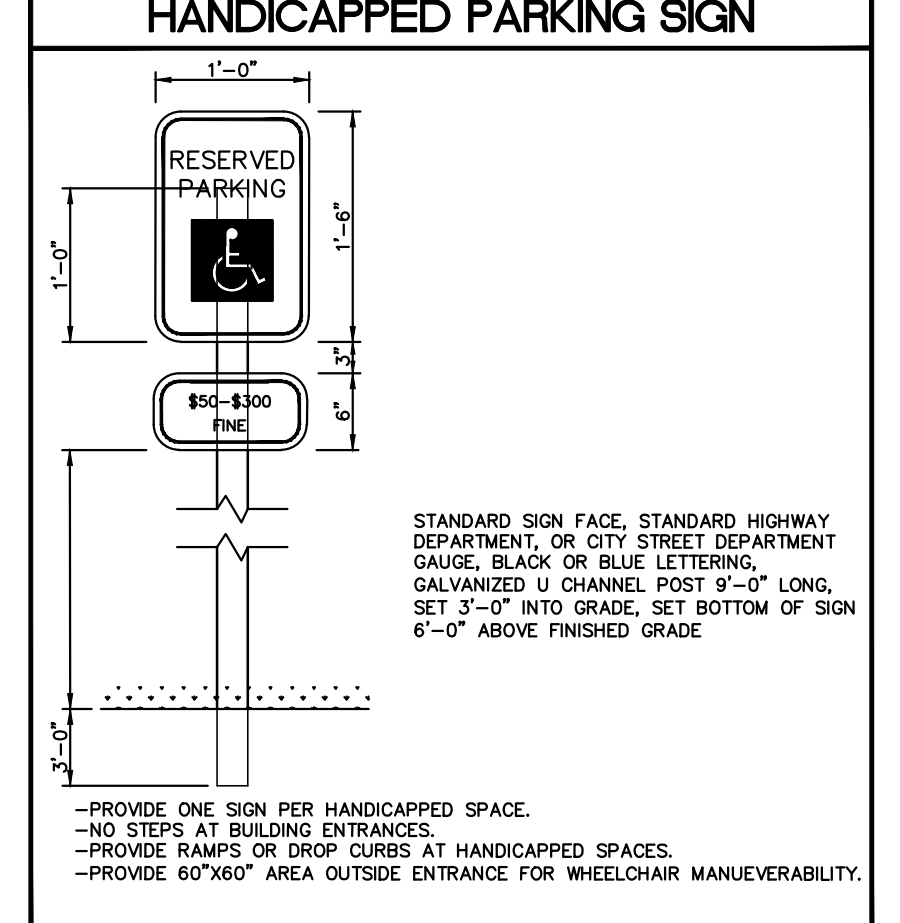
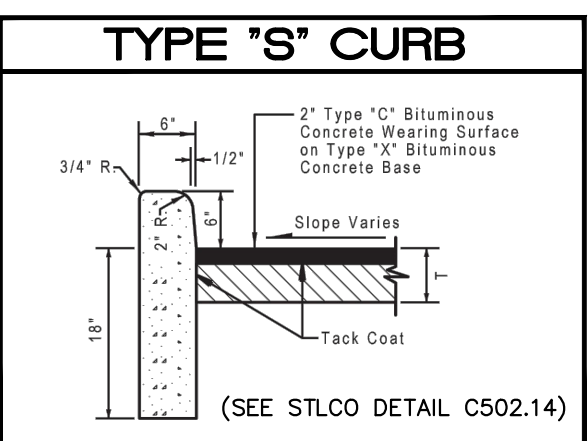
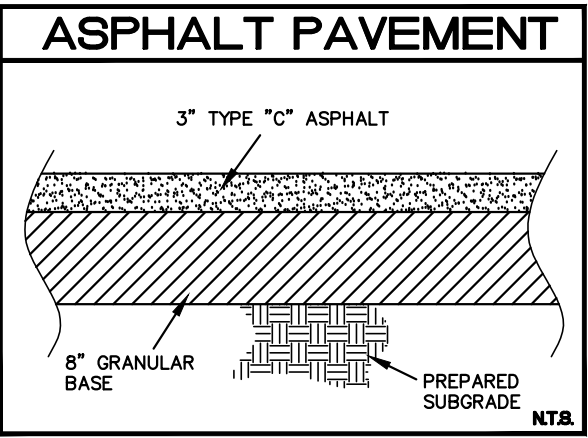
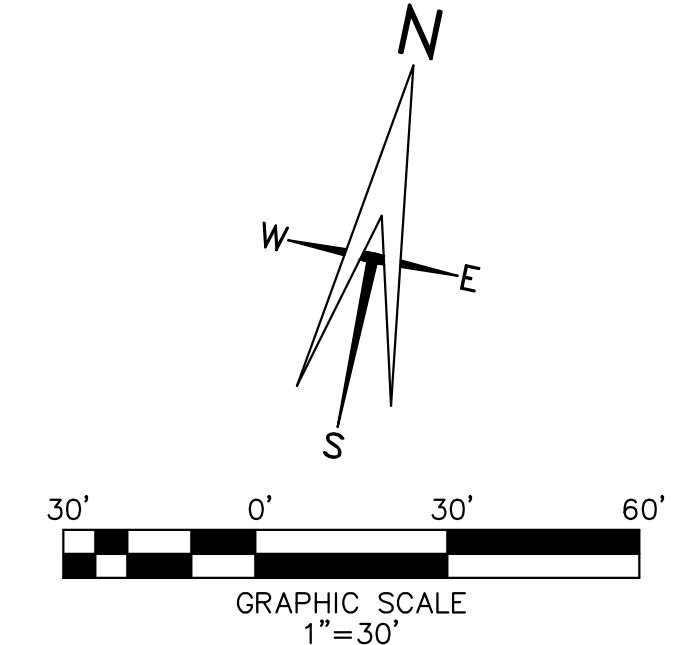
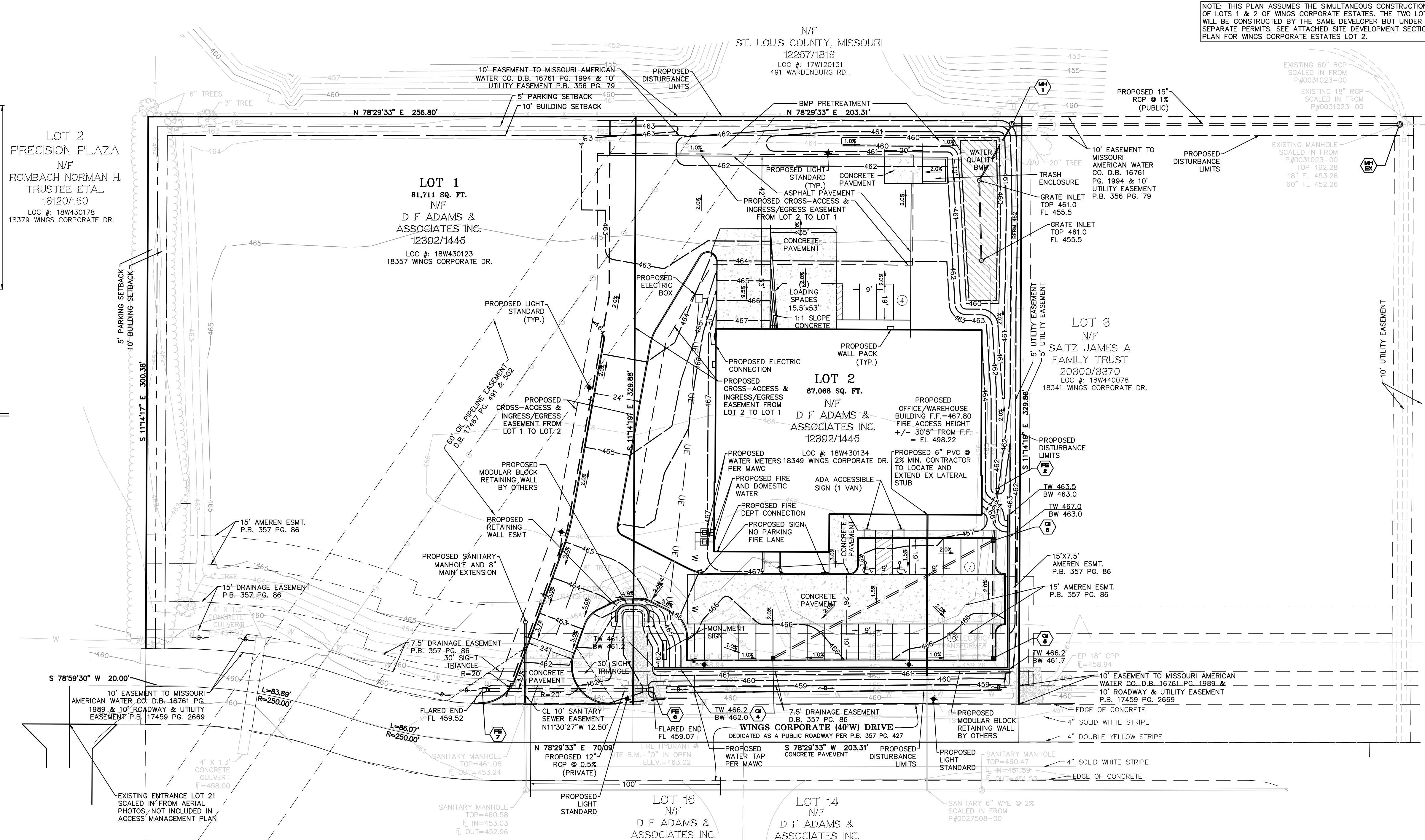
**D103.6.2 Roads more than 26 feet in width.** Fire lane signs as specified in Section D103.6 shall be posted on one side of fire apparatus access roads more than 26 feet wide and less than 32 feet wide.

**FIRE DISTRICT NOTES:**

- BUILDING HEIGHT: 35'0" +/-
- CONSTRUCTION TYPE: II-B
- FIRE-FLOW CALCS: FLOOR AREA = +/-14,877 S.F., +/-2,503 S.F., A POTENTIAL MEZZANINE, TOTAL = +/-17,380 S.F

**Call BEFORE you DIG**  
TOLL FREE  
1-800-344-7483  
MISSOURI ONE-CALL SYSTEM, INC.

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING AND/OR CONSTRUCTION OF IMPROVEMENTS.



**LEGEND:**

LINE TYPE	ABBREVIATION	SYMBOL
EX. SANITARY SEWER	TS	SANITARY MANHOLE
PROP. SANITARY SEWER	FF	SANITARY MANHOLE
EX. STORM SEWER	CONC	TELEPHONE MANHOLE
PROP. STORM SEWER	T	ELECTRIC MANHOLE
EX. WATER LINE	FL	CURB INLET
PROP. WATER LINE	TBR	AREA INLET
EX. TELEPHONE LINE	TBR&R	DOUBLE CURB INLET
CABLE LINE	UIP	GRATED INLET
GAS LINE	ATG	WATER VALVE
OVERHEAD ELECTRIC	USE	WATER VALVE
UNDERGROUND ELECTRIC	FO	GAS METER
FENCE LINE	TYP	GAS VALVE
TREE LINE	CO	FIRE HYDRANT
	DS	UTILITY POLE
	MIN	TREE & BUSHES
	R	
	PS	
	EJ	

NOTE: ST. LOUIS COUNTY MAINTAINS EXCLUSIVE CONTROL OF WINGS CORPORATE DRIVE WITHIN THE 40FT ROADWAY EASEMENT LIMITS

**RECEIVED**  
City of Chesterfield  
Apr 01 2020  
Department of Public Services

**ST. CHARLES ENGINEERING & SURVEYING, INC.**  
801 S. FIFTH STREET, SUITE 202  
ST. CHARLES, MO 63801  
TEL: (636) 947-0607 FAX: (636) 947-2448  
ST. CHARLES ENGINEERING AND SURVEYING, INC.  
PROFESSIONAL ENGINEERING AND LAND SURVEYING CORPORATION  
MISSOURI STATE CERTIFICATE OF AUTHORITY - 001647 & 000379

**ORDER NO.**  
180193  
**DATE**  
03/31/2020  
**2**

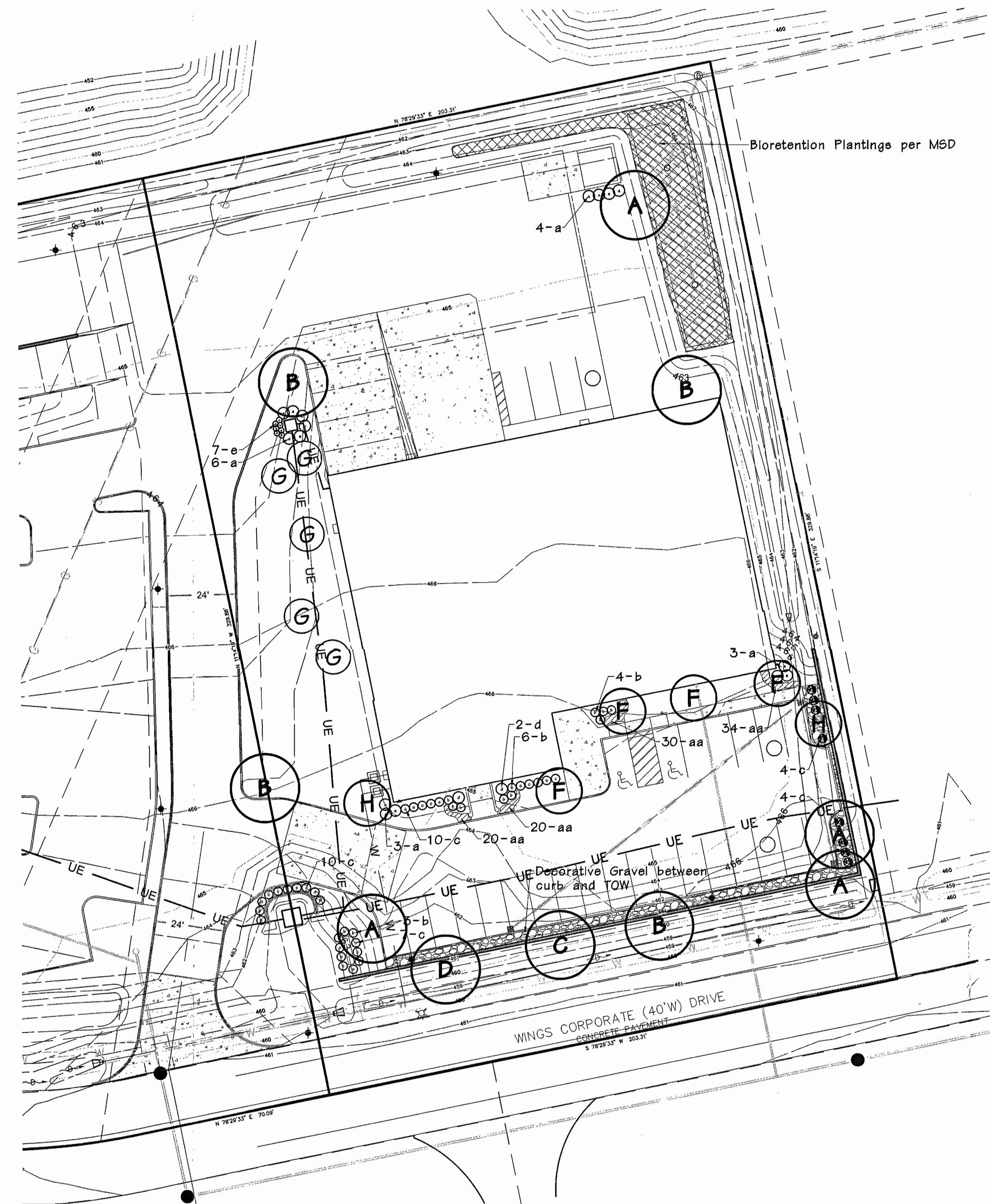
NOTE: THIS PLAN ASSUMES THE SIMULTANEOUS CONSTRUCTION OF LOTS 1 & 2 OF WINGS CORPORATE ESTATES. THE TWO LOTS WILL BE CONSTRUCTED BY THE SAME DEVELOPER BUT UNDER SEPARATE PERMITS. SEE ATTACHED SITE DEVELOPMENT SECTION PLAN FOR WINGS CORPORATE ESTATES LOT 2.

**SITE DEVELOPMENT SECTION PLAN**  
**WINGS CORP EST LOT 2**  
**18349 WINGS CORPORATE DRIVE**  
**CHESTERFIELD, MISSOURI 63005**  
**SITE DEVELOPMENT PLAN**

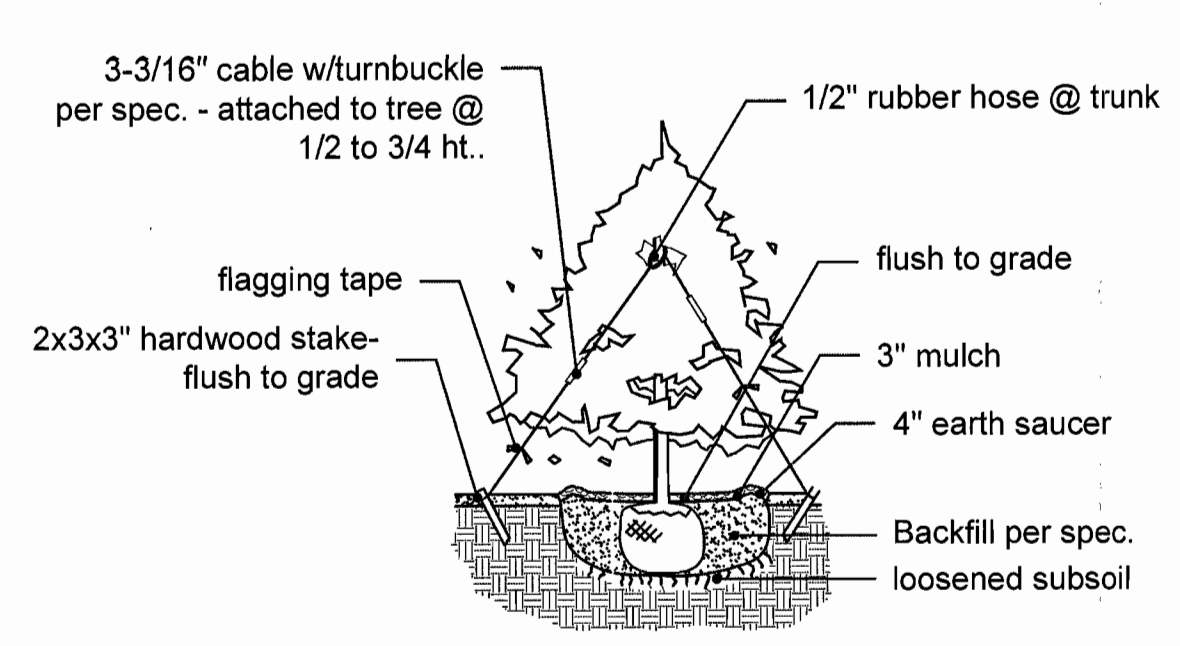
**PLANNING & ZONING SUBMITTAL**

06-26-2019	REVISIONS PER CITY OF CHESTERFIELD
10-29-2019	REVISIONS PER CITY OF CHESTERFIELD
12-20-2019	REVISIONS PER CITY OF CHESTERFIELD
01-13-2020	REVISIONS PER CITY OF CHESTERFIELD
02-07-2020	MONARCH FIRE SUBMITTAL
02-13-2020	MONARCH FIRE SUBMITTAL
02-26-2020	ST. LOUIS COUNTY SUBMITTAL
03-05-2020	MONARCH FIRE SUBMITTAL
03-31-2020	REVISIONS PER CITY OF CHESTERFIELD

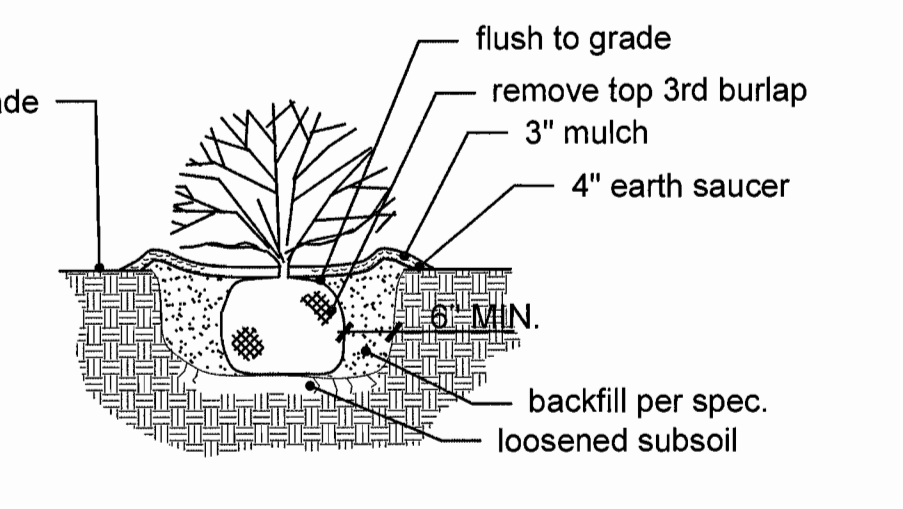




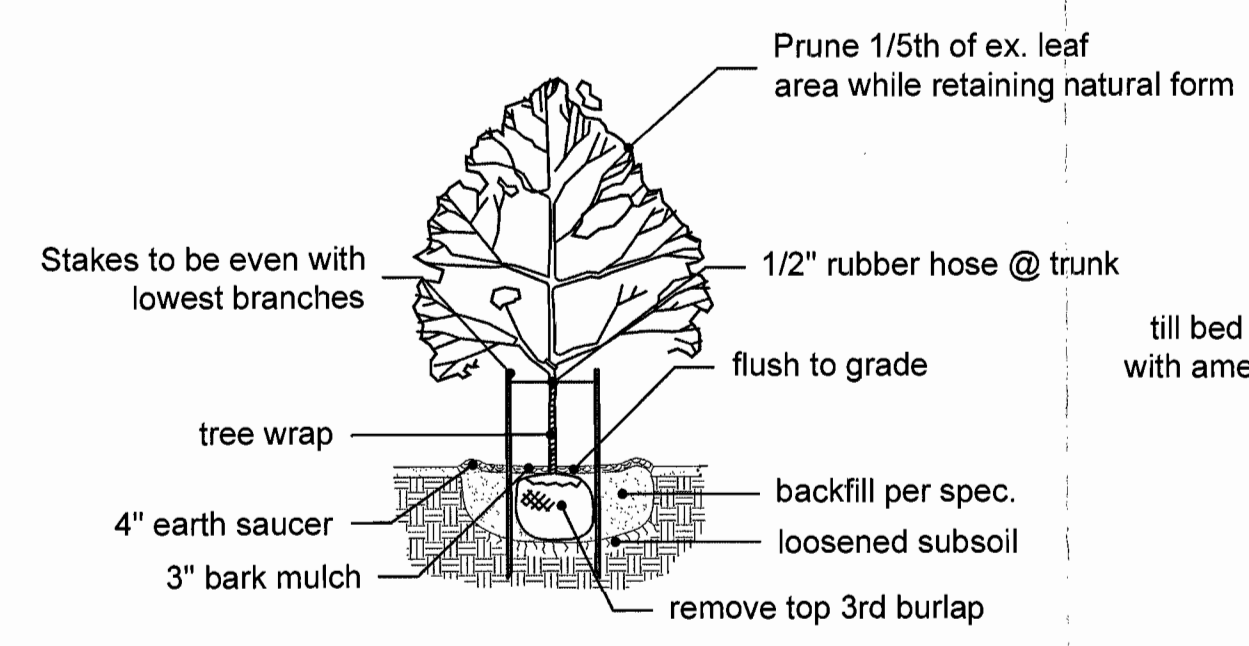
Landscape Plan  
SCALE 1"=30'



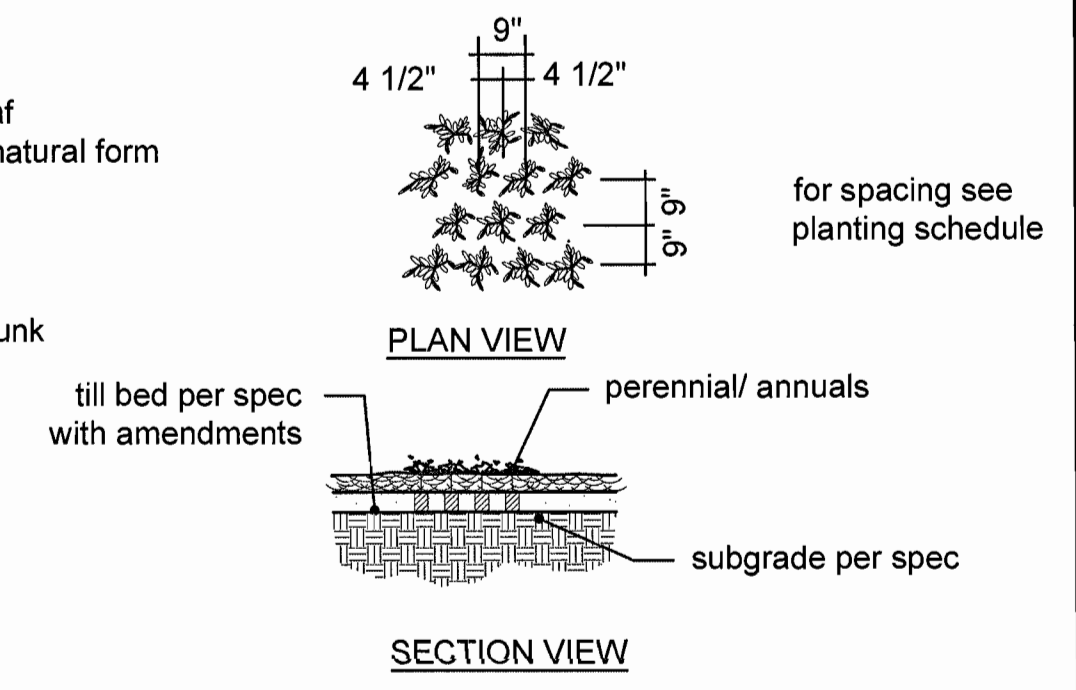
TYPICAL EVERGREEN PLANTING



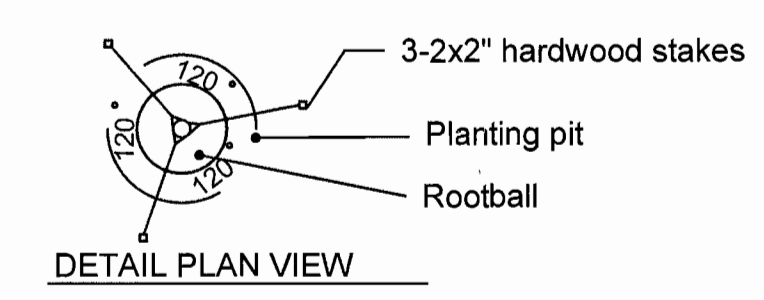
TYPICAL SHRUB PLANTING



CANOPY TREE PLANTING



TYPICAL PERENNIAL PLANTING

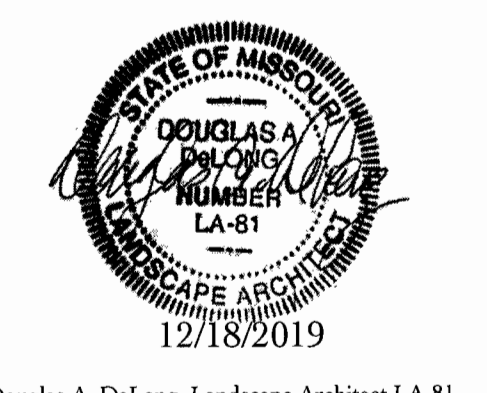


DETAIL PLAN VIEW

PLANTING SCHEDULE							
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	PERCENTAGE	
A	4	Platanus x acerifolia	London Planetree	2 1/2"	Fast Growing	19%	
B	4	Tilia americana	American Linden	2 1/2"	Medium Growing	19%	
C	1	Quercus bicolor	Swamp White Oak	2 1/2"	Medium Growing	5%	
D	1	Quercus imbricaria	Shingle Oak	2 1/2"	Medium Growing	5%	
F	4	Cercis canadensis	Red Bud	2 1/2"	Fast Growing	19%	
G	5	Pinus resinosa	Red Pine	6'	Medium Growing	23%	
H	2	Carpinus betulus 'Fastiglata'	Upright European Hornbeam	2 1/2"	Slow Growing	10%	
a	16	Ilex glabra 'Shamrock'	Shamrock Inkberry	2-3'	3' O.C.		
b	13	Itea virginica	Sweetpire	18-24"	2.5' O.C.		
c	35	Juniperus horizontalis 'Plumosa'	Compact Andorra Juniper	18-24"	3' O.C.		
d	2	Buxus 'Green Mountain'	Green Mountain Boxwood	3-4'	as shown		
e	7	Calamagrostis x a. 'Karl Foerster'	Karl Foerster Grass	2 gal	as shown		
aa	104	Liriope muscari 'Big Blue'	Big Blue Liriope	4" pot	12" O.C.		

GENERAL NOTES:

- 1) Openpace ratio Lot 2 is 38%. Total Site 67,068 SF/Open Space 25,859 SF
- 2) Street trees Req. - 203.31 lf/50 ft = 4.06 or 5 street trees
- 3) All street trees will be located at least 3' from proposed curb.
- 4) All street trees will be located at least 10' from all storm sewer structures.
- 5) All turf areas will be sodded Except Lot 1 which will be seeded.
- 6) An In-ground Irrigation system will be provided.



Consultants:

Wings Corporate Estates-Lot 2  
Chesterfield, Mo

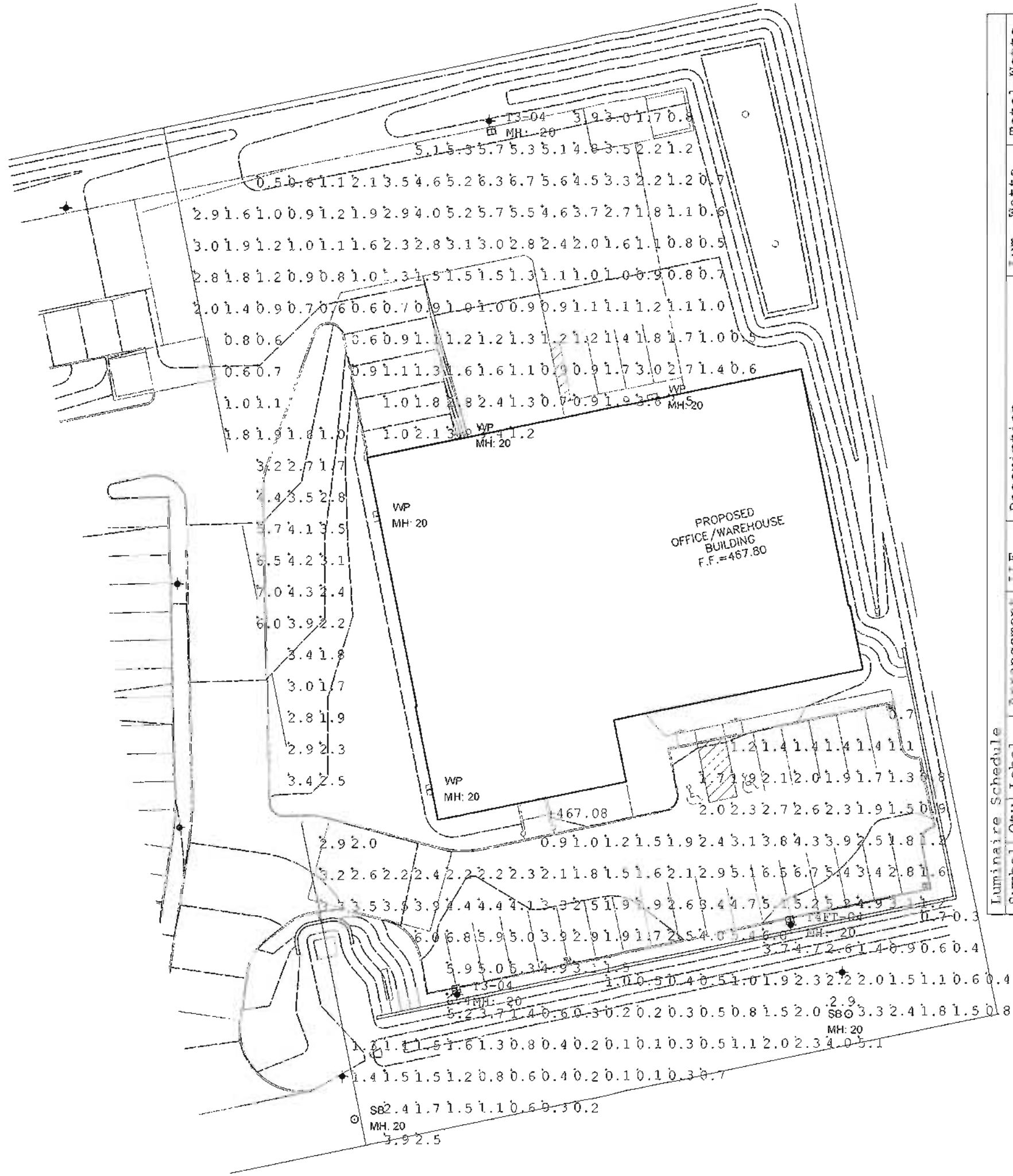
Dial Architects

Revisions:		
Date	Description	No.
6/28/19	Site Revisions	1
8/28/19	City Comments	2
12/18/19	City Comments	3

Drawn: BAD  
Checked: DAD

DeLong Landscape Architecture, LLC  
7620 West Bruno Ave  
St. Louis, MO 63117  
(314) 346-4856  
delong.la@gmail.com

Sheet Title:	Landscape Plan
Sheet No:	L-1
Date:	02-14-2019
Job #:	105.017



Luminaire Schedule		lum. Watts	Total Watts			
Symbol	Qty	Arrangement	LLF	Description	lum. Watts	Total Watts
T3-04	5	SINGLE	0.912	GLEON-AF-04-LED-E1-T3	225	1125
T4FT-04	1	SINGLE	0.912	GLEON-AF-04-LED-E1-T4FT	225	225
WP	4	SINGLE	0.900	XTOR6B-58W	58	232
SB	2	SINGLE	0.750	UCL-H2-250MH	295	590

Calculation Summary		Units	Avg	Max	Min	Avg/Min	Max/Min
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT	Illuminance	Fc	2.65	7.3	0.5	5.70	14.60
STREET	Illuminance	Fc	1.37	5.2	0.1	13.70	52.00

MOUNTING HEIGHT NEXT TO EACH FIXTURE  
CALCS EVERY 10' ON GROUND

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.

NOTE:  
THE WALL PACK FIXTURE MODEL NUMBER XTOR6B-58W INDICATES THAT IT IS A FULL CUTOFF FIXTURE WITH A CARBON BRONZE HOUSING

General Contractor:  
**GC**

Structural Engineer:  
**Adifica|case**  
engineering

City of Chesterfield Department of Public Works

RECEIVED  
MAR 11 2019  
Civil Engineer:  
**St. Charles Engineering & Surveying, Inc.**

New spec office warehouse building:

# THE WAREHOUSE

18349 Wings Corporate Drive  
Chesterfield, Missouri 63005

ISSUE DATES:  
REV SUBMITAL 02-12-2019

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STATE OF MISSOURI REGISTERED ARCHITECT:  
DAVID M. DAL ARCHITECTS, P.C.  
DAVID M. DAL ARCHITECTS, P.C.  
ARCHITECTURAL CORPORATION #200049091

THE ARCHITECT'S SEAL AFFIXED TO THIS SHEET INDICATES THAT THE NAMED ARCHITECT HAS PREPARED OR DIRECTED THE PREPARATION OF THE MATERIAL SHOWN ONLY ON THIS SHEET. OTHER DRAWINGS AND DOCUMENTS NOT BEARING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY OR THE RESPONSIBILITY OF THE ARCHITECT.

**dial** architects

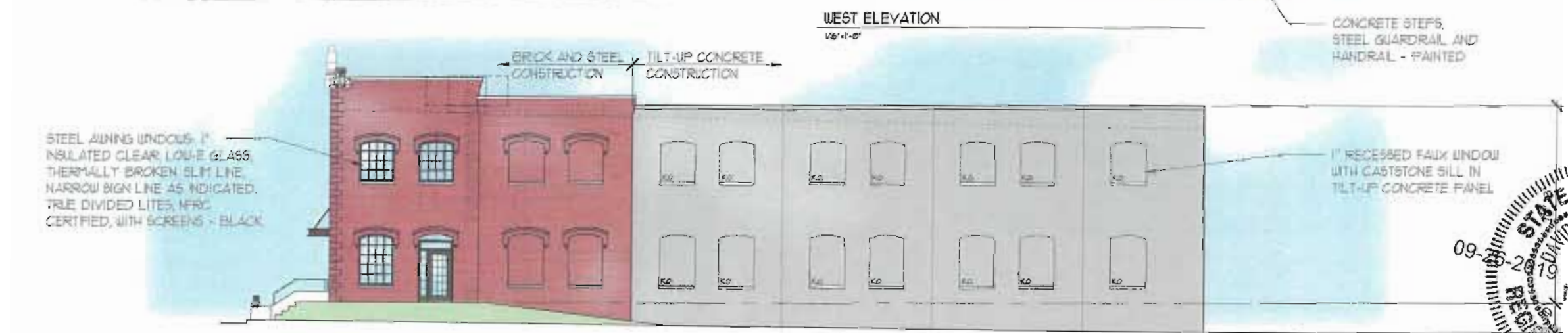
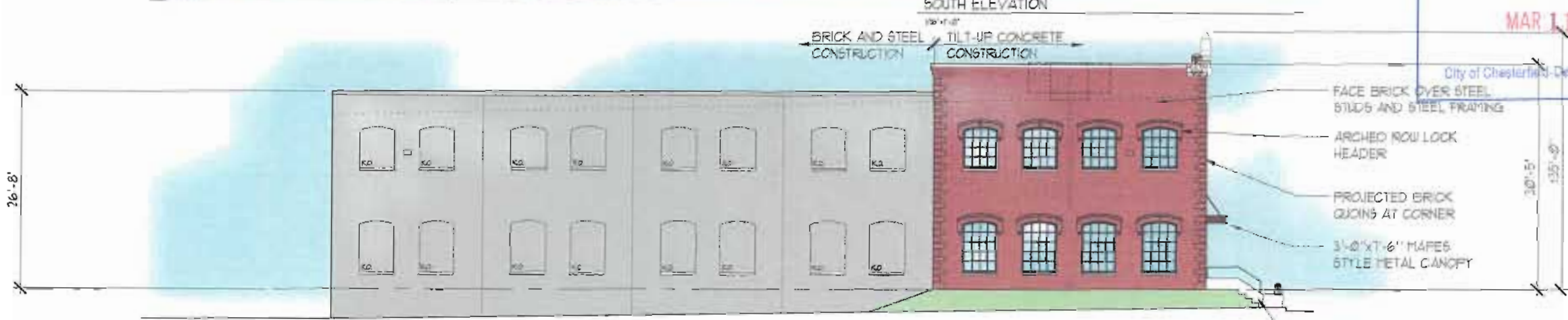
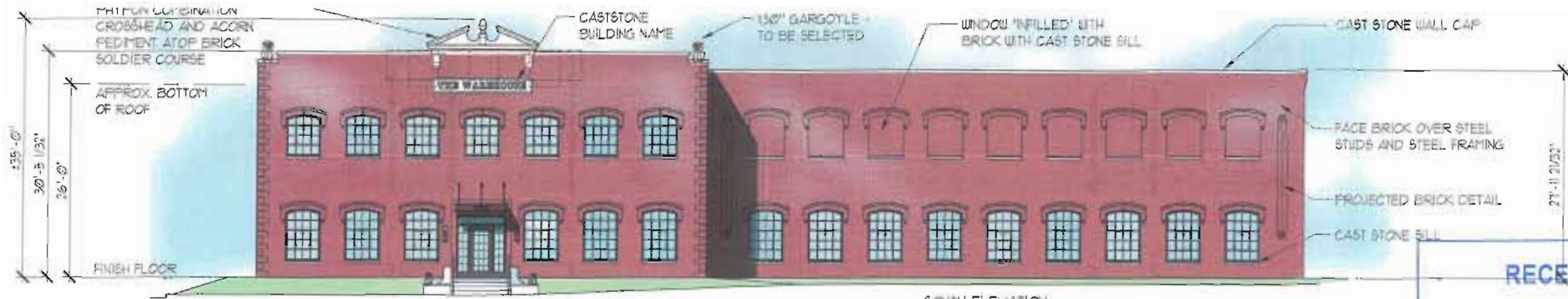
18349 Wings Corporate Drive - Manchester, Missouri 63011  
636 230 0500 www.dialarchitects.com

SHEET NUMBER:

**PHOTOMETRIC PLAN**

PROJECT NUMBER: 0000 DATE: 03-05-20





Structural Engineer:  
**CASE**  
Engineering Inc.  
1700 W. 11th St.  
Chesterfield, MO 63005

Civil Engineer:  
**St. Charles Engineering & Surveying, Inc.** S/C E/S

RECEIVED  
MAR 11 2020

City of Chesterfield, Department of Planning

New spec office warehouse building:

# THE WAREHOUSE

18349 Wings Corporate Drive  
Chesterfield, Missouri 63005

STATE OF MISSOURI  
09-08-2019  
REGISTERED ARCHITECT  
DAVID WILLIAM DIAL  
NUMBER A-739

THE ARCHITECTS HEREBY AFFIRM TO THE BEST OF THEIR KNOWLEDGE AND BELIEF THAT THE ARCHITECTS HAVE PREPARED AND SUBMITTED THE INFORMATION ON THIS SHEET UNDER THE SUPERVISION AND CONTROL OF THE ARCHITECTS AND THAT THE ARCHITECTS ARE NOT PROVIDING ANY OTHER SERVICES TO THE CLIENT.

**dial** architects  
11000 Independence Road • Chesterfield, Missouri 63005  
TEL: 636-865-1000 WWW.DIALARCHITECTS.COM

SHEET 01/01

PROJECT NUMBER: 00000 DATE: 00-00-00



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MAR 11 2020

City of Chesterfield Department of Planning



# dial architects

14364 Manchester Road  
Manchester Missouri 63011  
636 230 0400

September 26, 2019

City of Chesterfield  
Department of Planning  
690 Chesterfield Parkway West  
Chesterfield, Missouri 63017-0760

Members of the Architectural Review Board

Re: Architectural Statement  
    Submittal for Approval of New Facility on Lot 2.  
    Wings Corporate Estates, Lot 2 – 18349 Wings Corporate Drive

## **General Requirements for Site Design**

This project consists of a single-story speculative office/warehouse building designed for a single tenant. The site is located near the entry of Wings Corporate Estates on the north side of Wings Corporate Drive near Eatherton Road on the far west side of Chesterfield Valley in the Wings Development. The owner of this development is also the owner of this building. It is his intent to create an upscale business park by creating ‘specialty design’ buildings. This building is the third building of its kind in the park, but the fifth building in the park as a whole.

As you can see from the photos in this packet, the rectangular site is treeless and generally flat other than the drainage ditch and is otherwise featureless. The building is strategically located on the site to be compatible with the existing drainage system for the development and congruous with the other buildings in the development.

The approved concept plan for the entire development shows a 5’ wide side walk on the south side of Wings Corporate Drive to provide pedestrian circulation. While we cannot control future development of neighboring sites, this specific site design forces a shared entrance with a future neighbor to the west. This concept is key to the park owners desires for this overall development.

We are not proposing the use of fencing at this time.

Landscaping is designed per city ordinance in a similar fashion to the adjacent developments. Please see attached landscape plan.



## **General Requirements for Building Design**

The owner of this facility, being a long time and current resident of the City of Chesterfield, places a high priority on the appearance of his facility and has played a major role in the design of this facility.

The intent of the design is to represent an old “main street” brick building from days of old. The front (south) elevation is articulated with detailed brick features, cast stone, glass, a canopy and gargoyles. The windows create rhythmically pleasing patterns accented with naturally formed, projected, arched brick headers and cast stone sills. The undulating brick detail and opposing shapes to add depth and a sense of place. The articulated brick and glass extends around each side (west & east) corner to give a sense of pleasure and encourage one to explore the building further. The front brick portion of the building ends at the working tilt-up concrete back portion to give balance to building articulation.

The tilt-up concrete back half of the building is articulated with recessed reveal simulated “windows” with cast stone sills. The building will utilize an earth tone color, and earth tone red brick, cast stone sills and caps and fixed windows with an operable hopper style center. The colors, glass, brick and metal items are juxtaposed on the façades of the building to create an excellent overall building design. These include a front building color of a rich red brick and light cast stone and a back building of warm taupe. In addition, the front has a grand stairway with friendly gargoyles to greet you and larger gargoyles on the top corners of the building protecting your visit. So the intended office area will receive the strong morning eastern light, the bright southern daylight finishing with the waning afternoon sun provided by the compass orientation.

All sides of this building are treated in a historically accurate fashion. We have not only ‘designed’ the street elevations. The building materials are the same as all of the other buildings in this park, but are being used in more design appropriate ways to deliver an aesthetically pleasing solution. A special elastomeric coating designed specifically for concrete will protect the concrete panels. The flat roof is covered with a rubber membrane and slopes to the back (north).

The windows for this project, in keeping with its strong design theme, are fixed with an operable center hopper window and are energy compliant windows. We have used the glass as an effective design element in the elevational articulation.

The design is respectful of the surrounding development in general and is harmonious in scale, material, and color. Nearby buildings are also constructed of tilt-up concrete and/or earth tone colors and materials similar to ours. The Building sign will be applied to the building with cast stone and the future company sign is proposed to be painted on.

Site lighting is planned to be two light standards in the front of the building along Wings Corporate Drive, two light standards at the side of the building (west) and two light standards along the back (north) property line. Wall-mounted fixtures will accent the west and north sides. The Owner of the whole development owns Lots 1 & 2. The Owner is planning on developing Lot-1 at the same time as Lot-2 and they share an entry and due to an existing large electrical switch located on the property line between these two lots, the entry drive starts on Lot-1. Some site lighting for this project, Lot-2, is located on Lot-1 due to the location of the drive, this lighting will be shared by both lots and will not shine off of the Owners property in an unnecessary fashion.

Please see the site development section plan for drainage information.

The proposed HVAC system is planned to be roof mounted.

### **Specific Requirements for the Chesterfield Valley**

As stated above we encompass the building with reveals and colors for continuity while highlighting the visible front with brick and glass. The trash receptacle will be screened from public view with tilt-up concrete to coordinate with the building.

The electrical service will be provided by a new transformer located along the north side of the property north of the building and will receive vegetation to screen the units. All utilities to this building are underground.

I-64/US-40 is to the north of this property and is not readily visible from the property. Automobile parking is south, west and north of the building and the service/loading area is on the north side of the building.

Street lighting is included in this project to match the existing industrial park street lighting and is located to the south of the building along Wings Corporate Drive.

It remains our intention to provide a design that will enhance the local environment while blending with the building types already in Wings Corporate Estates. The owner is excited about providing a new quality designed facility for the City of Chesterfield.

Thank you for your assistance.

As required, building materials will be brought to the ARB meeting and will include:

- Glass and frame sample
- Color samples of the concrete coatings
- Asphalt Shingle Roof

End of Architects Statement

## DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>	<div style="border: 1px solid blue; padding: 5px; text-align: center;"> <b>RECEIVED</b>                  City of Chesterfield                   Mar 13 2020                   Department of Public Services             </div>	<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

### Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

### Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

### Mounting

**STANDARD ARM MOUNT:** Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

### Warranty

Five-year warranty.



## GLEON GALLEON LED

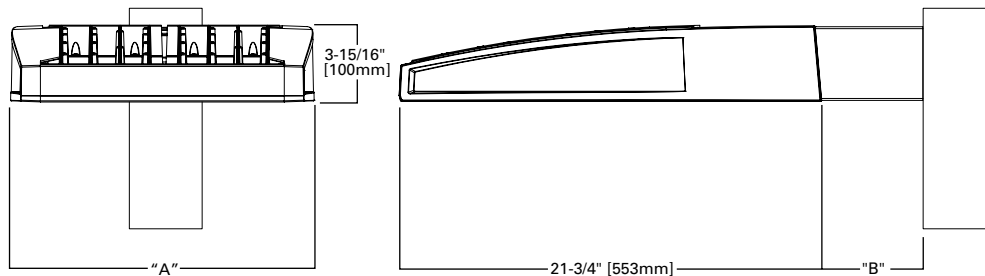
1-10 Light Squares  
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology  
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## DIMENSIONS

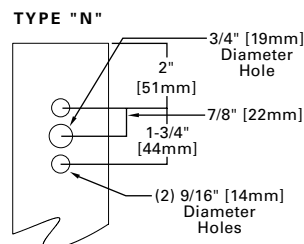


## DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (lbs.)	EPA with Arm <sup>2</sup> (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

## DRILLING PATTERN



## CERTIFICATION DATA

UL/cUL Wet Location Listed  
ISO 9001  
LM79 / LM80 Compliant  
3G Vibration Rated  
IP66 Rated  
DesignLights Consortium® Qualified\*

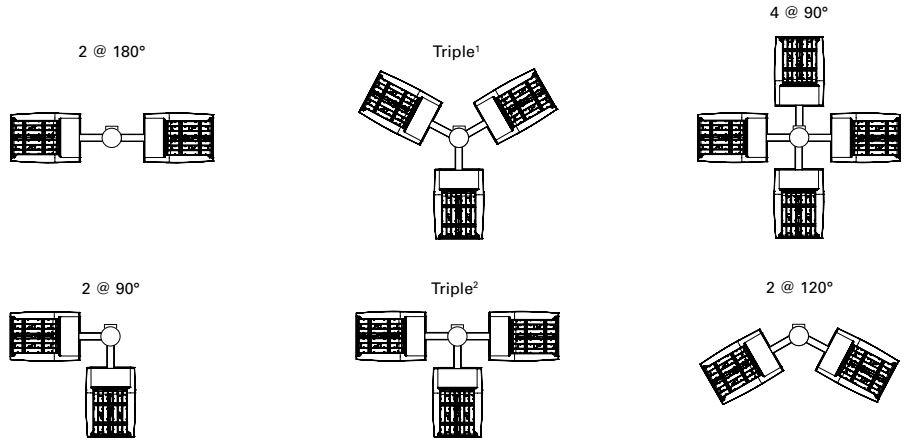
## ENERGY DATA

**Electronic LED Driver**  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120V-277V 50/60Hz  
347V & 480V 60Hz  
-40°C Min. Temperature  
40°C Max. Temperature  
50°C Max. Temperature (HA Option)



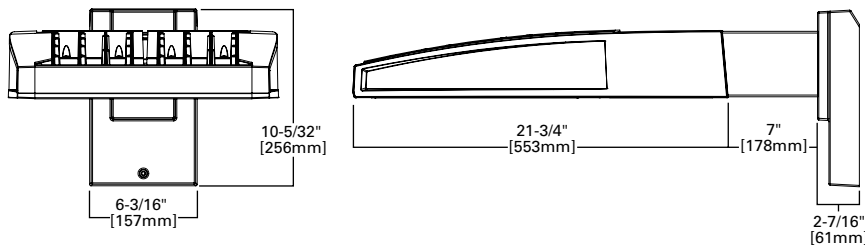
**ARM MOUNTING REQUIREMENTS**

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

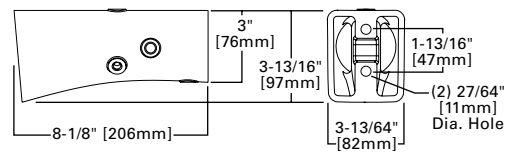


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

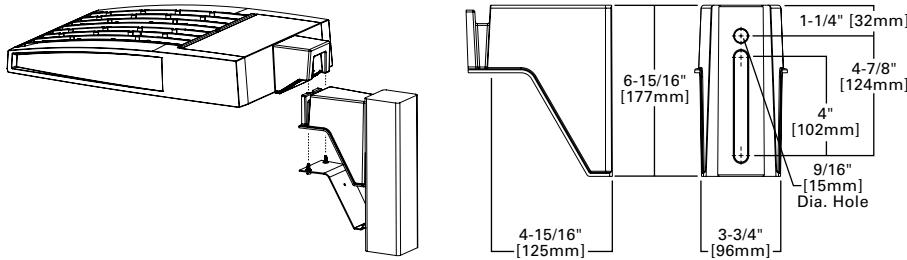
**STANDARD WALL MOUNT**



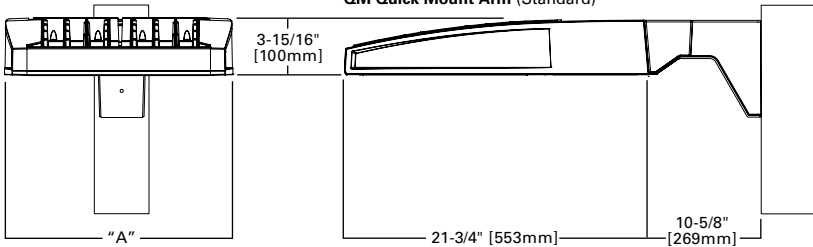
**MAST ARM MOUNT**



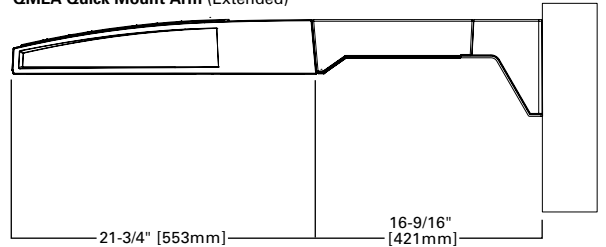
**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



**QM Quick Mount Arm (Standard)**



**QMEA Quick Mount Arm (Extended)**

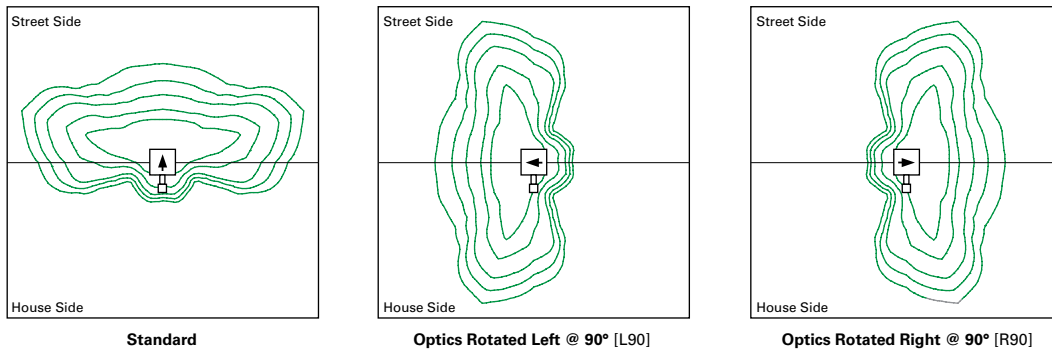


**QUICK MOUNT ARM DATA**

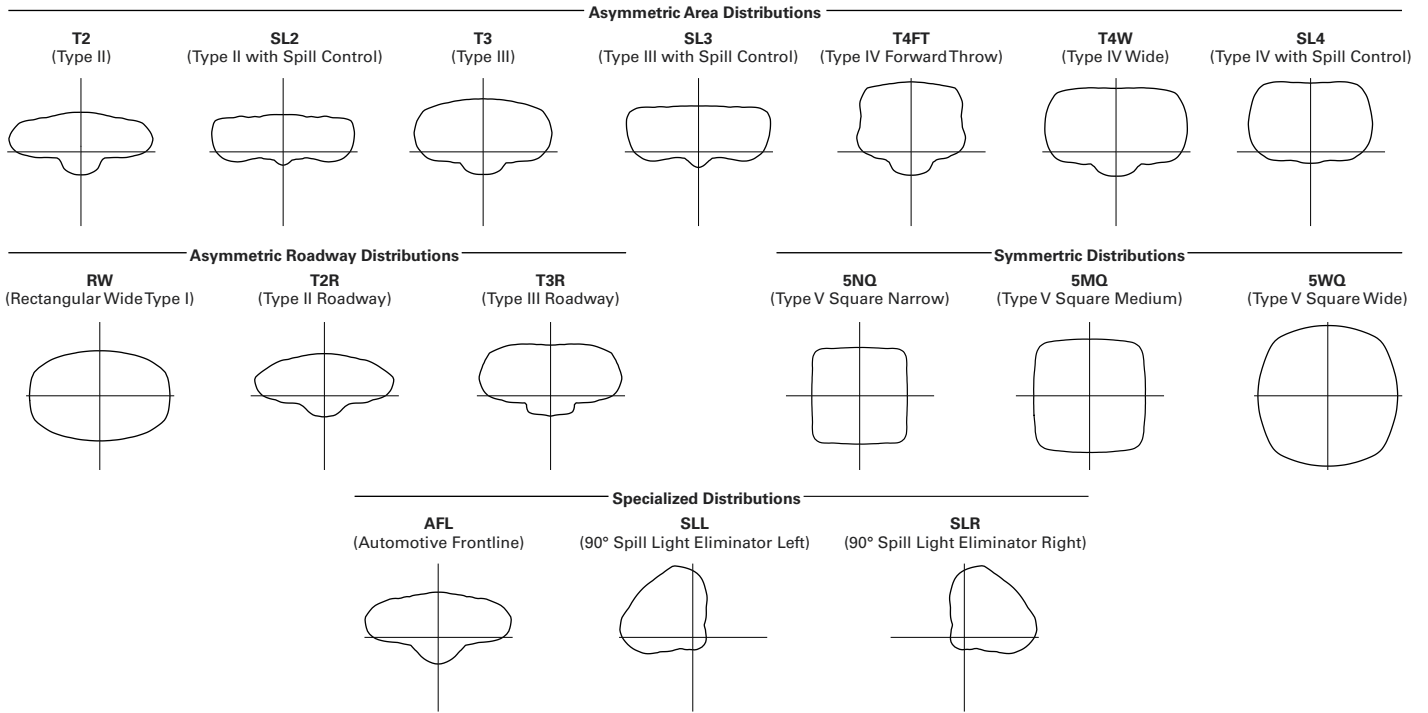
Number of Light Squares <sup>1,2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

**OPTIC ORIENTATION**



**OPTICAL DISTRIBUTIONS**

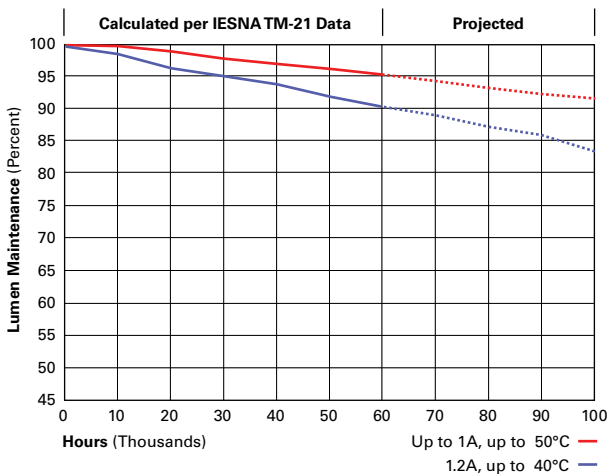


**LUMEN MAINTENANCE**

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

**LUMEN MULTIPLIER**

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



**NOMINAL POWER LUMENS (1.2A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	67	129	191	258	320	382	448	511	575	640	
<b>Input Current @ 120V (A)</b>	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
<b>Input Current @ 208V (A)</b>	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
<b>Input Current @ 240V (A)</b>	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
<b>Input Current @ 277V (A)</b>	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
<b>Input Current @ 347V (A)</b>	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
<b>Input Current @ 480V (A)</b>	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3</b>	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4W</b>	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL2</b>	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL4</b>	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5MQ</b>	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>5WQ</b>	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (1A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	59	113	166	225	279	333	391	445	501	558	
<b>Input Current @ 120V (A)</b>	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07	
<b>Input Current @ 208V (A)</b>	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75	
<b>Input Current @ 240V (A)</b>	0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39	
<b>Input Current @ 277V (A)</b>	0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09	
<b>Input Current @ 347V (A)</b>	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68	
<b>Input Current @ 480V (A)</b>	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3</b>	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	3000K Lumens	-	-	-	-	-	-	-	-	-	-
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4W</b>	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL2</b>	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL4</b>	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
<b>5MQ</b>	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>5WQ</b>	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (800MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	44	85	124	171	210	249	295	334	374	419	
<b>Input Current @ 120V (A)</b>	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80	
<b>Input Current @ 208V (A)</b>	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12	
<b>Input Current @ 240V (A)</b>	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84	
<b>Input Current @ 277V (A)</b>	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67	
<b>Input Current @ 347V (A)</b>	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52	
<b>Input Current @ 480V (A)</b>	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
<b>T3</b>	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL2</b>	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>SL4</b>	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>5MQ</b>	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (600MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	34	66	96	129	162	193	226	257	290	323	
<b>Input Current @ 120V (A)</b>	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
<b>Input Current @ 208V (A)</b>	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
<b>Input Current @ 240V (A)</b>	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
<b>Input Current @ 277V (A)</b>	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
<b>Input Current @ 347V (A)</b>	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
<b>Input Current @ 480V (A)</b>	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
<b>T2R</b>	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
<b>T3</b>	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
<b>T3R</b>	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>SL2</b>	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
<b>SL3</b>	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL4</b>	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
<b>5MQ</b>	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>SLL/SLR</b>	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>AFL</b>	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.



**CONTROL OPTIONS**

**0-10V (DIM)**

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

**Photocontrol (P, R and PER7)**

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

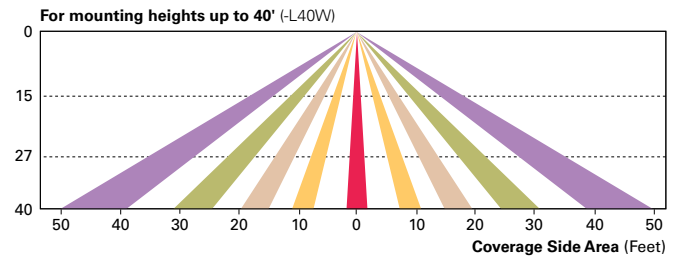
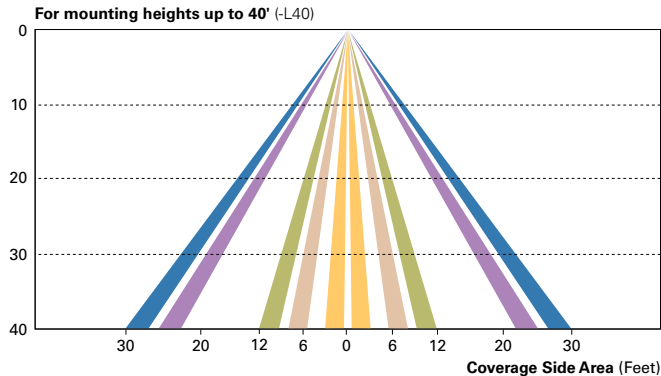
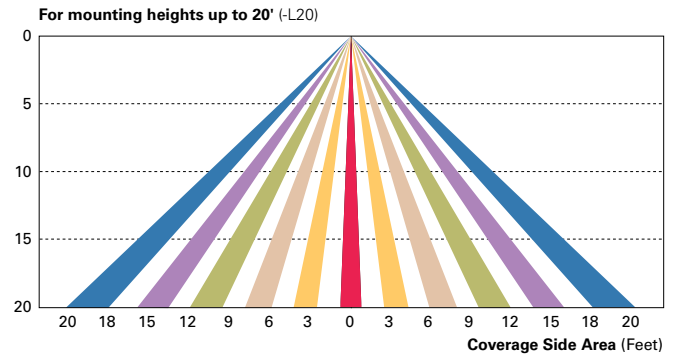
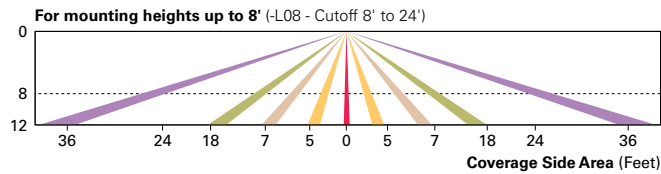
**After Hours Dim (AHD)**

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

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

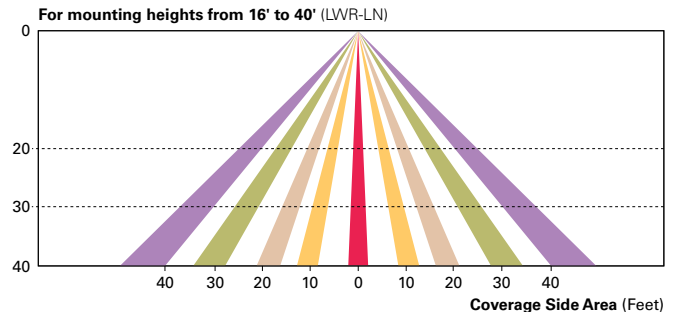
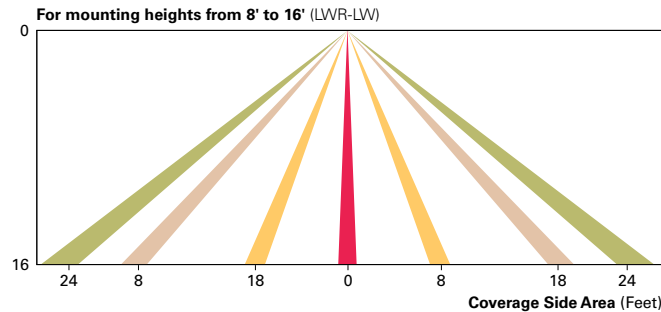
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



**LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)**

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



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

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

**LumenSafe Integrated Network Security Camera (LD)**

Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

**ORDERING INFORMATION**


Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family <sup>1,2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Type	Voltage	Distribution	Color	Mounting
<b>GLEON=Galleon</b>	<b>AF=1A Drive Current</b>	01=1 02=2 03=3 <b>04=4</b> 05=5 <sup>4</sup> 06=6 07=7 <sup>5</sup> 08=8 <sup>5</sup> 09=9 <sup>6</sup> 10=10 <sup>6</sup>	<b>LED=Solid State Light Emitting Diodes</b>	E1=120-277V 347=347V <sup>7</sup> 480=480V <sup>7,8</sup>	T2=Type II T2R=Type II Roadway <b>T3=Type III</b> T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey <b>BZ=Bronze</b> BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>9</sup> MA=Mast Arm Adapter <sup>10</sup> WM=Wall Mount QM=Quick Mount Arm (Standard Length) <sup>11</sup> QMEA=Quick Mount Arm (Extended Length) <sup>12</sup>

Options (Add as Suffix)	Accessories (Order Separately)
<p>7027=70 CRI 2700K<sup>13</sup> 7030=70 CRI 3000K<sup>13</sup> 8030=80 CRI 3000K<sup>14</sup> 7050=70 CRI 5000K<sup>13</sup> 7060=70 CRI 6000K<sup>13</sup> 600=Drive Current Factory Set to Nominal 600mA<sup>15</sup> 800=Drive Current Factory Set to Nominal 800mA<sup>15</sup> 1200=Drive Current Factory Set to Nominal 1200mA<sup>15,16</sup> F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits<sup>17,18</sup> DIM=External 0-10V Dimming Leads<sup>19,20</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)<sup>21</sup> PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle<sup>21</sup> R=NEMA Twistlock Photocontrol Receptacle<sup>21</sup> AHD145=After Hours Dim, 5 Hours<sup>22</sup> AHD245=After Hours Dim, 6 Hours<sup>22</sup> AHD255=After Hours Dim, 7 Hours<sup>22</sup> AHD355=After Hours Dim, 8 Hours<sup>22</sup> HA=50°C High Ambient<sup>23</sup> MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height<sup>24,26</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height<sup>24,25,29</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height<sup>24,26,29</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height<sup>22,27,29</sup> MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)<sup>24,28,29</sup> MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height<sup>24,26</sup> MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height<sup>30</sup> LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height<sup>30</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing<sup>31</sup> HSS=Factory Installed House Side Shield<sup>32</sup> CE=CE Marking<sup>33</sup></p>	<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor<sup>24</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit<sup>10</sup> GLEON-QMEA=Quick Mount Extended Arm Kit<sup>11</sup> LS/HSS=Field Installed House Side Shield<sup>32,33</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin)<sup>35</sup></p>

**NOTES:**  
 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. 25 Approximately 22" detection diameter at 8' mounting height. 26 Approximately 40" detection diameter at 20' mounting height. 27 Approximately 60" detection diameter at 40' mounting height. 28 Approximately 100" detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

**LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)**

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

\*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

## DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

### Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

### Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

### Mounting

**STANDARD ARM MOUNT:** Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

### Warranty

Five-year warranty.



## GLEON GALLEON LED

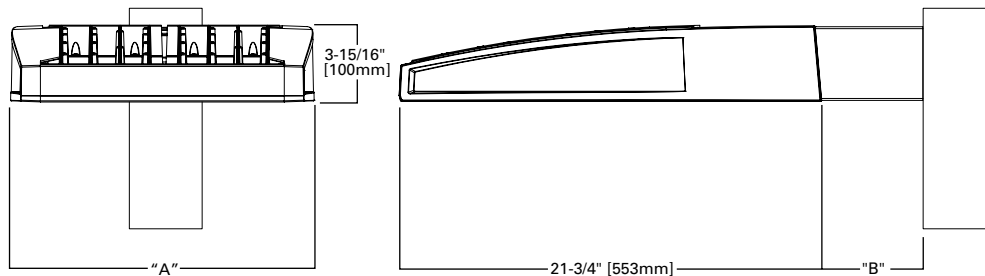
1-10 Light Squares  
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology  
[CLICK HERE](#)

## DIMENSIONS

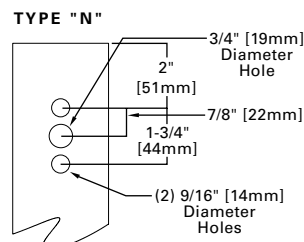


## DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (lbs.)	EPA with Arm <sup>2</sup> (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

## DRILLING PATTERN



## CERTIFICATION DATA

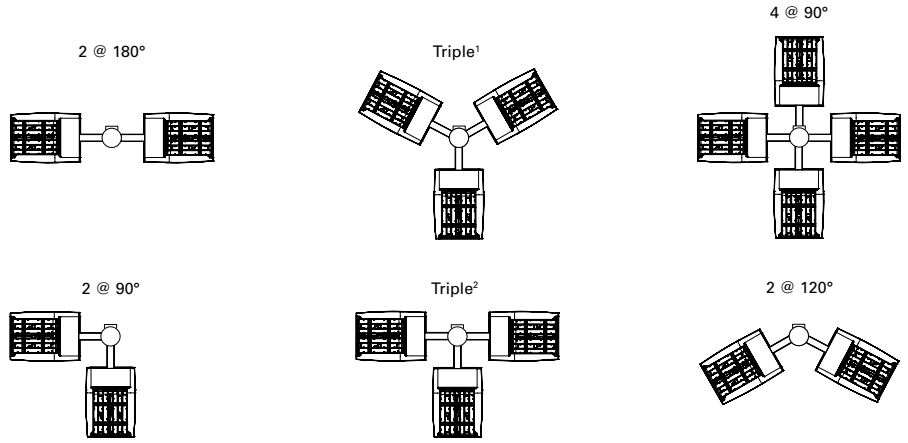
UL/cUL Wet Location Listed  
ISO 9001  
LM79 / LM80 Compliant  
3G Vibration Rated  
IP66 Rated  
DesignLights Consortium® Qualified\*

## ENERGY DATA

**Electronic LED Driver**  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120V-277V 50/60Hz  
347V & 480V 60Hz  
-40°C Min. Temperature  
40°C Max. Temperature  
50°C Max. Temperature (HA Option)

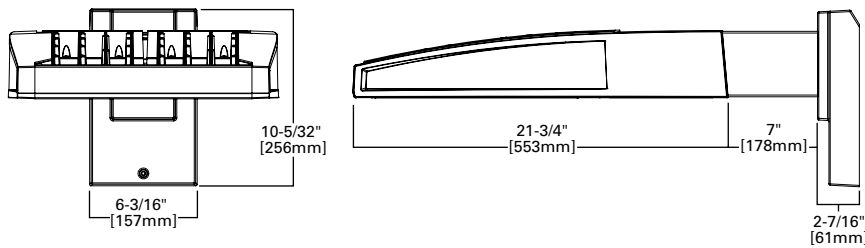
**ARM MOUNTING REQUIREMENTS**

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

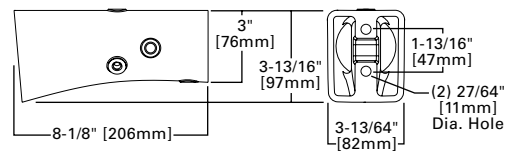


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

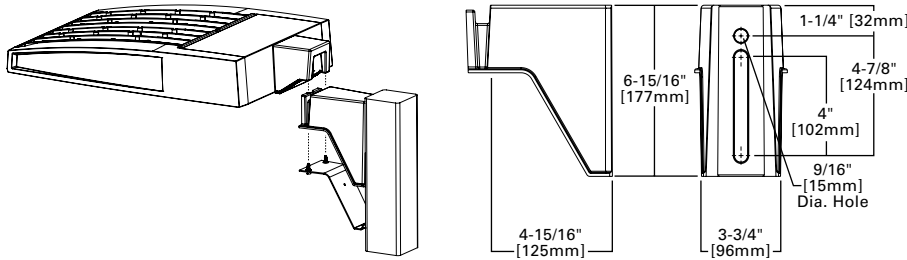
**STANDARD WALL MOUNT**



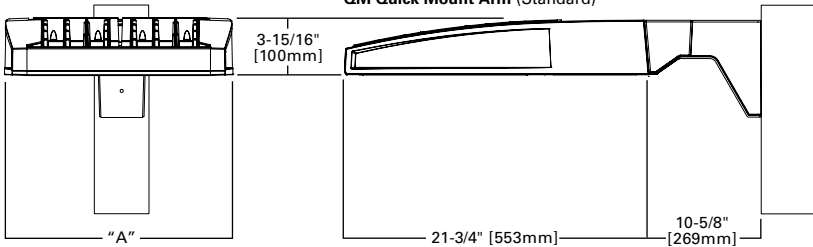
**MAST ARM MOUNT**



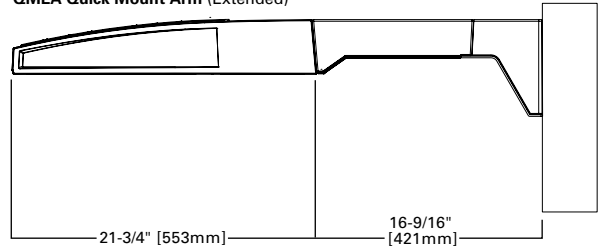
**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



**QM Quick Mount Arm (Standard)**



**QMEA Quick Mount Arm (Extended)**

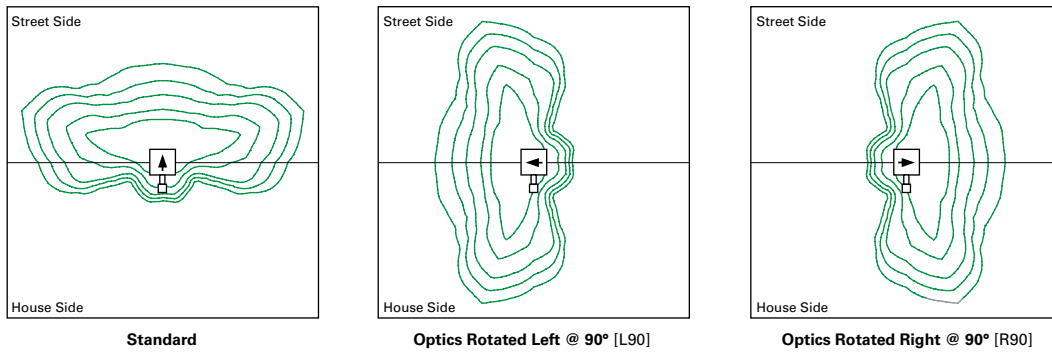


**QUICK MOUNT ARM DATA**

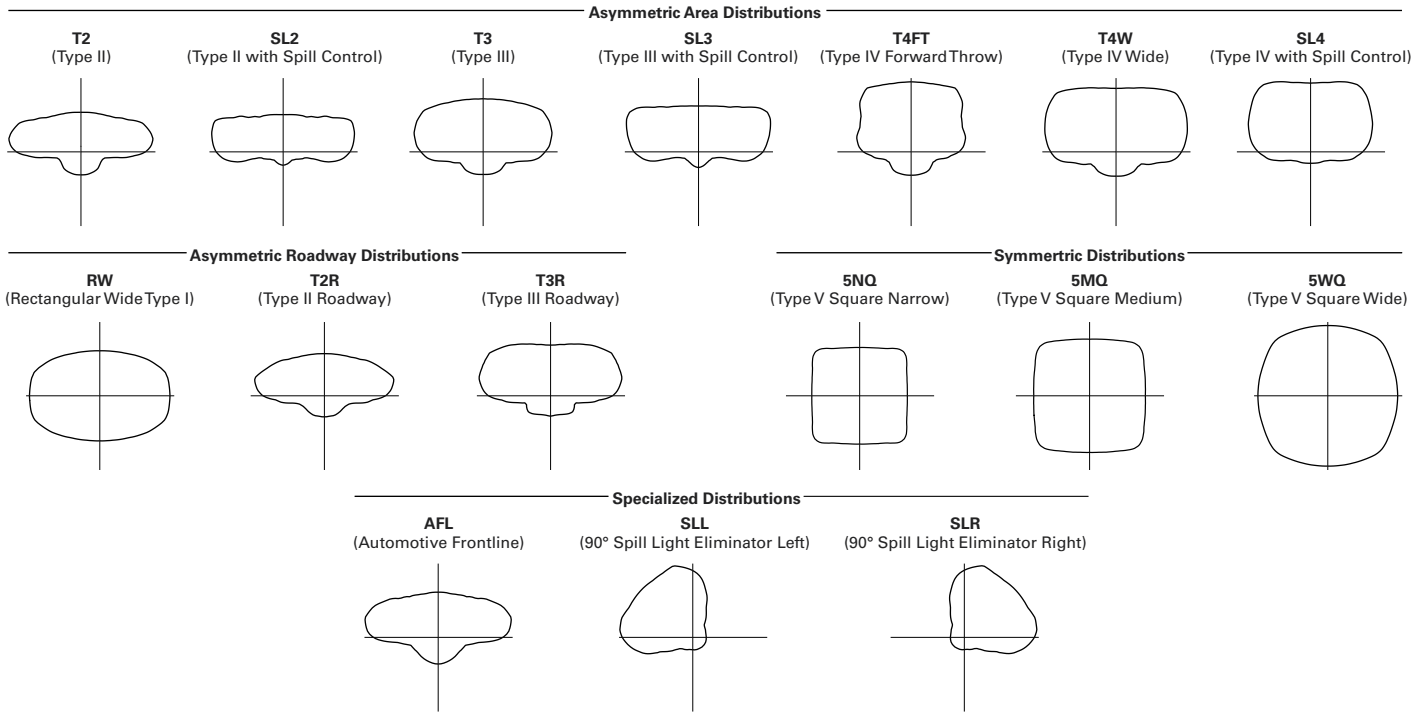
Number of Light Squares <sup>1,2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

**OPTIC ORIENTATION**



**OPTICAL DISTRIBUTIONS**

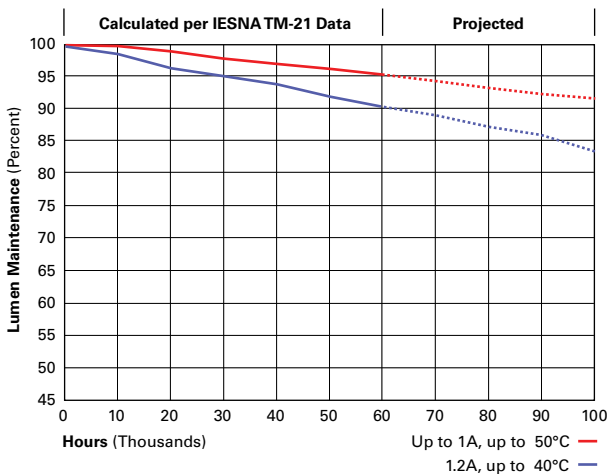


**LUMEN MAINTENANCE**

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

**LUMEN MULTIPLIER**

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



**NOMINAL POWER LUMENS (1.2A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	67	129	191	258	320	382	448	511	575	640	
<b>Input Current @ 120V (A)</b>	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
<b>Input Current @ 208V (A)</b>	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
<b>Input Current @ 240V (A)</b>	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
<b>Input Current @ 277V (A)</b>	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
<b>Input Current @ 347V (A)</b>	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
<b>Input Current @ 480V (A)</b>	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3</b>	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4W</b>	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL2</b>	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL4</b>	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5MQ</b>	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>5WQ</b>	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.



**NOMINAL POWER LUMENS (1A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	59	113	166	225	279	333	391	445	501	558	
<b>Input Current @ 120V (A)</b>	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07	
<b>Input Current @ 208V (A)</b>	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75	
<b>Input Current @ 240V (A)</b>	0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39	
<b>Input Current @ 277V (A)</b>	0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09	
<b>Input Current @ 347V (A)</b>	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68	
<b>Input Current @ 480V (A)</b>	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3</b>	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	3000K Lumens	-	-	-	-	-	-	-	-	-	-
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T4W</b>	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL2</b>	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL4</b>	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
<b>5MQ</b>	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>5WQ</b>	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (800MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	44	85	124	171	210	249	295	334	374	419	
<b>Input Current @ 120V (A)</b>	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80	
<b>Input Current @ 208V (A)</b>	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12	
<b>Input Current @ 240V (A)</b>	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84	
<b>Input Current @ 277V (A)</b>	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67	
<b>Input Current @ 347V (A)</b>	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52	
<b>Input Current @ 480V (A)</b>	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
<b>T2R</b>	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
<b>T3</b>	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>T3R</b>	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
<b>SL2</b>	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
<b>SL3</b>	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>SL4</b>	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>5MQ</b>	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
<b>AFL</b>	4000K/5000K Lumens	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (600MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	34	66	96	129	162	193	226	257	290	323	
<b>Input Current @ 120V (A)</b>	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
<b>Input Current @ 208V (A)</b>	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
<b>Input Current @ 240V (A)</b>	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
<b>Input Current @ 277V (A)</b>	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
<b>Input Current @ 347V (A)</b>	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
<b>Input Current @ 480V (A)</b>	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
<b>T2R</b>	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
<b>T3</b>	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
<b>T3R</b>	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>T4FT</b>	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>SL2</b>	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
<b>SL3</b>	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>SL4</b>	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
<b>5NQ</b>	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
<b>5MQ</b>	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>5WQ</b>	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
<b>SLL/SLR</b>	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>AFL</b>	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**CONTROL OPTIONS**

**0-10V (DIM)**

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

**Photocontrol (P, R and PER7)**

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

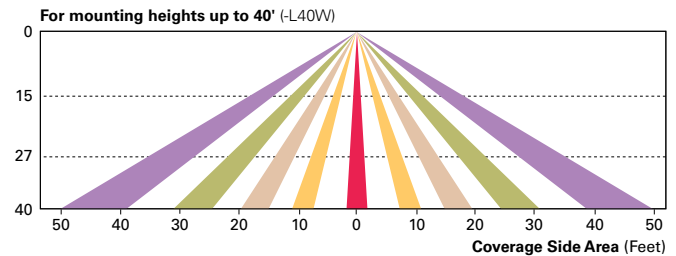
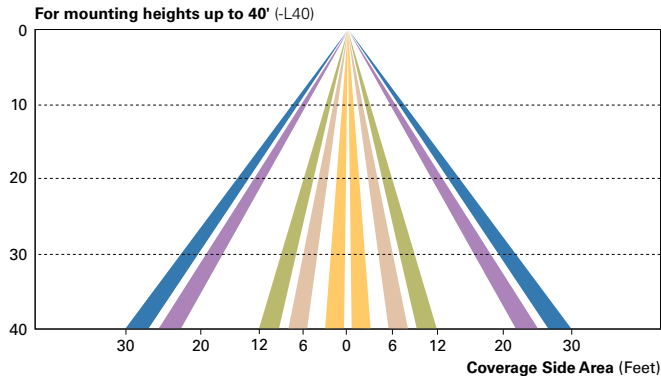
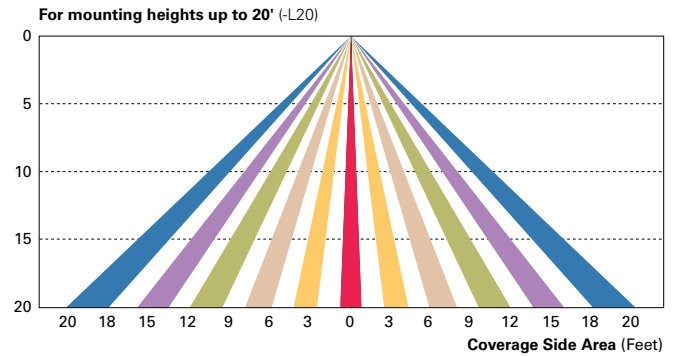
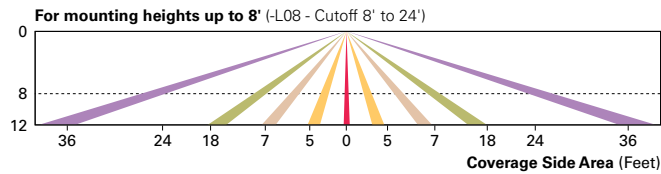
**After Hours Dim (AHD)**

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

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

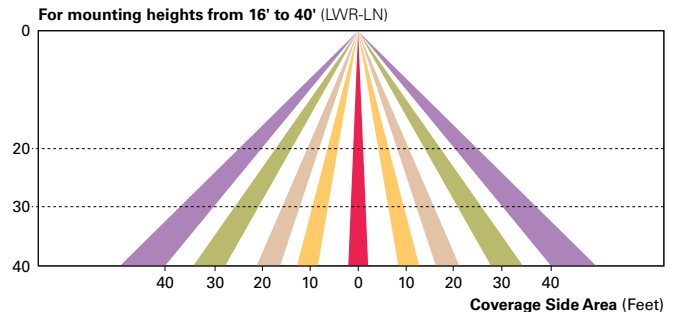
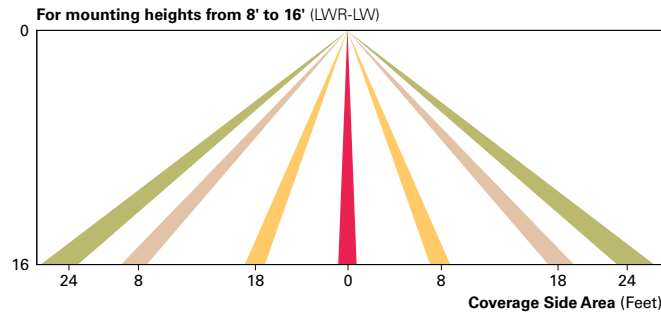
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



**LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)**

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



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

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

**LumenSafe Integrated Network Security Camera (LD)**

Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

**ORDERING INFORMATION**


Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family <sup>1,2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Type	Voltage	Distribution	Color	Mounting
<b>GLEON=Galleon</b>	<b>AF=1A Drive Current</b>	01=1 02=2 03=3 <b>04=4</b> 05=5 <sup>4</sup> 06=6 07=7 <sup>5</sup> 08=8 <sup>5</sup> 09=9 <sup>6</sup> 10=10 <sup>6</sup>	<b>LED=Solid State Light Emitting Diodes</b>	E1=120-277V 347=347V <sup>7</sup> 480=480V <sup>7,8</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway <b>T4FT=Type IV Forward Throw</b> T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey <b>BZ=Bronze</b> BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>9</sup> MA=Mast Arm Adapter <sup>10</sup> WM=Wall Mount QM=Quick Mount Arm (Standard Length) <sup>11</sup> QMEA=Quick Mount Arm (Extended Length) <sup>12</sup>

Options (Add as Suffix)	Accessories (Order Separately)
<p>7027=70 CRI 2700K<sup>13</sup> 7030=70 CRI 3000K<sup>13</sup> 8030=80 CRI 3000K<sup>14</sup> 7050=70 CRI 5000K<sup>13</sup> 7060=70 CRI 6000K<sup>13</sup> 600=Drive Current Factory Set to Nominal 600mA<sup>15</sup> 800=Drive Current Factory Set to Nominal 800mA<sup>15</sup> 1200=Drive Current Factory Set to Nominal 1200mA<sup>15,16</sup> F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits<sup>17,18</sup> DIM=External 0-10V Dimming Leads<sup>19,20</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)<sup>21</sup> PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle<sup>21</sup> R=NEMA Twistlock Photocontrol Receptacle<sup>21</sup> AHD145=After Hours Dim, 5 Hours<sup>22</sup> AHD245=After Hours Dim, 6 Hours<sup>22</sup> AHD255=After Hours Dim, 7 Hours<sup>22</sup> AHD355=After Hours Dim, 8 Hours<sup>22</sup> HA=50°C High Ambient<sup>23</sup> MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height<sup>24,26</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height<sup>24,25,29</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height<sup>24,26,29</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height<sup>22,27,29</sup> MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)<sup>24,28,29</sup> MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height<sup>24,25</sup> MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height<sup>24,26</sup> MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height<sup>24,27</sup> MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)<sup>24,28</sup> LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height<sup>30</sup> LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height<sup>30</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing<sup>31</sup> HSS=Factory Installed House Side Shield<sup>32</sup> CE=CE Marking<sup>33</sup></p>	<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor<sup>24</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit<sup>10</sup> GLEON-QMEA=Quick Mount Extended Arm Kit<sup>11</sup> LS/HSS=Field Installed House Side Shield<sup>32,33</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin)<sup>35</sup></p>

**NOTES:**  
 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. 25 Approximately 22" detection diameter at 8' mounting height. 26 Approximately 40" detection diameter at 20' mounting height. 27 Approximately 60" detection diameter at 40' mounting height. 28 Approximately 100" detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

**LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)**

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera	<p>C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&amp;T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card</p> <p>R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking</p>

\*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.



## DESCRIPTION

The patented Lumark Crosstour™ MAXX LED wall pack series of luminaires provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools and loading docks.

## SPECIFICATION FEATURES

### Construction

Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 58W, 81W and 102W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four 1/2" NPT threaded conduit entry points. The back box is secured by four lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

### Optical

Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens

assembly designed for maximum forward throw. Solid state LED Crosstour MAXX luminaires are thermally optimized with eight lumen packages in cool 5000K, neutral 4000K, or warm 3000K LED color temperature (CCT).

### Electrical

LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 58W, 81W and 102W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available in 58W and 81W models only. Crosstour MAXX luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Four half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz, 480V 60Hz, or 347V 60Hz electrical operation. 480V is compatible for use with 480V Wye systems only.

### Emergency Egress

Optional integral cold weather battery emergency egress includes emergency operation test switch (available in 58W and 81W models only), an AC-ON indicator light and a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

### Area and Site Pole Mounting

Optional extruded aluminum 6-1/2" arm features internal bolt guides for supplied twin support rods, allowing for easy positioning of the fixture during installation to pole. Supplied with round plate adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.

### Finish

Crosstour MAXX is protected with a super TGIC carbon bronze or summit white polyester powder coat paint. Super TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

### Warranty

Five-year warranty.



## XTOR CROSSTOUR MAXX LED

**APPLICATIONS:**  
WALL / SURFACE  
INVERTED  
SITE LIGHTING



### CERTIFICATION DATA

UL/cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
NOM Compliant Models  
3G Vibration Tested  
UL924 Listed (CBP Models)  
IP66 Rated  
DesignLights Consortium® Qualified\*

### TECHNICAL DATA

40°C Ambient Temperature  
External Supply Wiring 90°C Minimum

### EPA

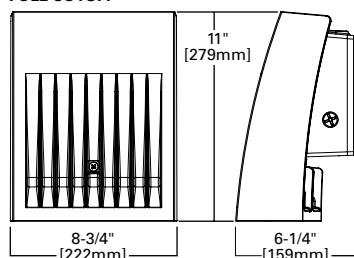
Effective Projected Area (Sq. Ft.):  
XTOR6B, XTOR8B, XTOR12B=0.54  
With Pole Mount Arm=0.98

### SHIPPING DATA:

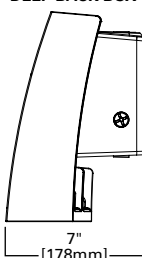
Approximate Net Weight:  
12-15 lbs. [5.4-6.8 kgs.]

## DIMENSIONS

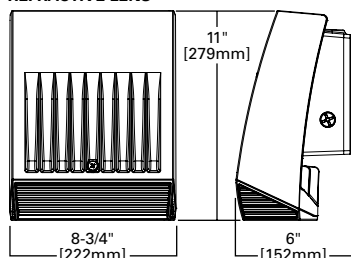
### FULL CUTOFF



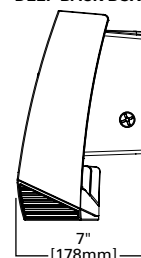
### DEEP BACK BOX



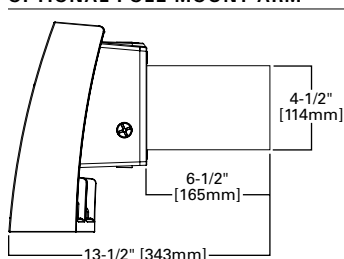
### REFRACTIVE LENS



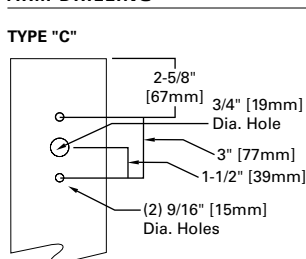
### DEEP BACK BOX



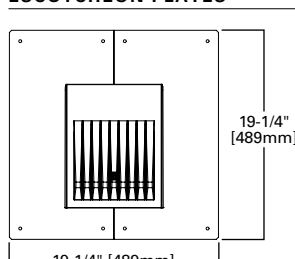
### OPTIONAL POLE MOUNT ARM



### ARM DRILLING



### ESCUTCHEON PLATES



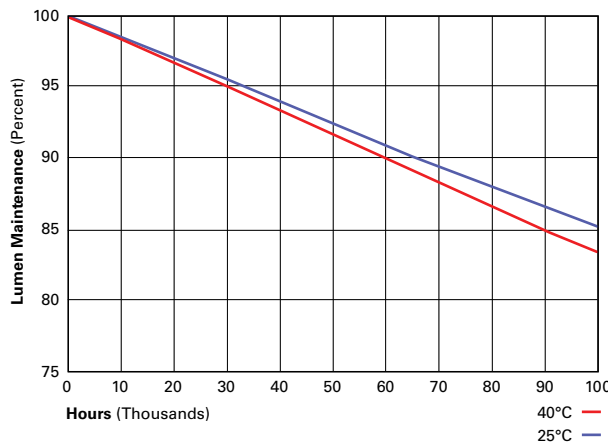


**POWER AND LUMENS BY FIXTURE MODEL**

58W Series						
LED Information	XTOR6B	XTOR6BRL	XTOR6B-W	XTOR6BRL-W	XTOR6B-Y	XTOR6BRL-Y
Delivered Lumens	6,129	6,225	6,038	6,133	5,611	5,826
B.U.G. Rating	B1-U0-G1	B2-U4-G3	B1-U0-G1	B2-U4-G3	B1-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K	3000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70
Power Consumption (Watts)	58W	58W	58W	58W	58W	58W
81W Series						
LED Information	XTOR8B	XTOR8BRL	XTOR8B-W	XTOR8BRL-W	XTOR8B-Y	XTOR8BRL-Y
Delivered Lumens	8,502	8,635	8,373	8,504	7,748	8,079
B.U.G. Rating	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K	3000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70
Power Consumption (Watts)	81W	81W	81W	81W	81W	81W
102W Series						
LED Information	XTOR12B	XTOR12BRL	XTOR12B-W	XTOR12BRL-W	XTOR12B-Y	XTOR12BRL-Y
Delivered Lumens	12,728	13,458	12,539	13,258	11,861	12,595
B.U.G. Rating	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K	3000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70
Power Consumption (Watts)	102W	102W	102W	102W	102W	102W
EGRESS Information	XTOR6B, XTOR8B and XTOR12B Full Cutoff CBP Egress LED			XTOR6B, XTOR8B and XTOR12B Refractive Lens CBP Egress LED		
Delivered Lumens	509			468		
B.U.G. Rating	N.A.			N.A.		
CCT (Kelvin)	4000K			4000K		
CRI (Color Rendering Index)	65			65		
Power Consumption (Watts)	1.8W			1.8W		

**LUMEN MAINTENANCE**

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
<b>XTOR6B Model</b>		
25°C	> 90%	246,000
40°C	> 88%	217,000
50°C	> 88%	201,000
<b>XTOR8B Model</b>		
25°C	> 89%	219,000
40°C	> 87%	195,000
50°C	> 86%	181,000
<b>XTOR12B Model</b>		
25°C	> 89%	222,000
40°C	> 87%	198,000



**CURRENT DRAW**

Voltage	Model Series				
	XTOR6B	XTOR8B	XTOR12B	XTOR6B-CBP (Fixture/Battery)	XTOR8B-CBP (Fixture/Battery)
120V	0.51	0.71	0.94	0.60/0.25	0.92/0.25
208V	0.25	0.39	0.52	--	--
240V	0.25	0.35	0.45	--	--
277V	0.22	0.31	0.39	0.36/0.21	0.50/0.21
347V	0.19	0.25	0.33		--
480V	0.14	0.19	0.24		--

**ORDERING INFORMATION**

Sample Number: XTOR6B-W-WT-PC1

Series <sup>1</sup>	LED Kelvin Color	Housing Color	Options (Add as Suffix)
<b>Full Cutoff</b> <b>XTOR6B=58W</b> XTOR8B=81W XTOR12B=102W  <b>Refractive Lens</b> XTOR6BRL=58W XTOR8BRL=81W XTOR12BRL=102W	[Blank]=Bright White (Standard) 5000K <b>W=Neutral, 4000K</b> Y=Warm, 3000K	[Blank]=Carbon Bronze (Standard) WT=Summit White BK=Black <b>BZ=Bronze</b> AP=Grey GM=Graphite Metallic DP=Dark Platinum	<b>347V=347V</b> <sup>2,3,4,5</sup> <b>480V=480V</b> <sup>2,3,4,5,6</sup> PC1=Photocontrol 120V <sup>7</sup> PC2=Photocontrol 208-277V <sup>7,8</sup> PMA=Pole Mount Arm (C Drilling) with Round Adapter <sup>3,9</sup> MS-L20=Motion Sensor for ON/OFF Operation <sup>2,3,10,11</sup> MS/DIM-L20=Motion Sensor for Dimming Operation <sup>2,3,10,11,12,13,14</sup> CBP=Cold Weather Battery Pack <sup>2,3,15,16,17</sup> HA=50°C High Ambient <sup>17</sup>
<b>Accessories (Order Separately)</b>			
WG-XTORMX=Crosstour MAXX Wire Guard PB120V=Field Installed 120V Photocontrol PB277V BUTTON PC=Field Installed 208-277V Photocontrol <sup>8</sup> VA1040-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon <sup>18</sup> VA1041-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon <sup>18</sup> VA1042-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon <sup>18</sup> VA1043-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>18</sup> VA1044-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>18</sup> VA1045-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>18</sup> VA1046-XX=2@120° Tenon Adapter for 3-1/2" O.D. Tenon <sup>18</sup>		VA1033-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon <sup>18</sup> VA1034-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon <sup>18</sup> VA1035-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon <sup>18</sup> VA1036-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>18</sup> VA1037-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>18</sup> VA1038-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>18</sup> VA1039-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon <sup>18</sup> EWP/XTORMX=Escutcheon Wall Plate, Carbon Bronze EWP/XTORMX-WT=Escutcheon Wall Plate, Summit White FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>14</sup>	

- NOTES:**
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
  - Not available with HA option.
  - Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MS/DIM-L20.
  - Not available with CBP option.
  - Thru-branch wiring not available with HA option or with 347V.
  - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
  - Not available with MS-L20 and MS/DIM-L20 options.
  - Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead.
  - Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
  - For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20'.
  - 120V thru 277V only.
  - Factory set to 50% power reduction after 15-minutes of inactivity. Dimming driver included.
  - Includes integral photo sensor.
  - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff, and more. Consult your lighting representative at Eaton for more information.
  - 120V or 277V operation only.
  - Operating temperatures -20°C to 25°C.
  - Not available in XTOR12B or XTOR12BRL models.
  - Replace XX with housing color.

**STOCK ORDERING INFORMATION**

58W Series	81W Series	102W Series
<b>Full Cutoff</b>		
XTOR6B=58W, 5000K, Carbon Bronze	XTOR8B=81W, 5000K, Carbon Bronze	XTOR12B=102W, 5000K, Carbon Bronze
XTOR6B-PC1=58W, 5000K, 120V PC, Carbon Bronze	XTOR8B-PC1=81W, 5000K, 120V PC, Carbon Bronze	
XTOR6B-WT= 58W, 5000K, Summit White	XTOR8B-WT=81W, 5000K, Summit White	
XTOR6B-W=58W, 4000K, Carbon Bronze	XTOR8B-PC2=81W, 5000K, 208-277V PC, Carbon Bronze	
XTOR6B-PMA= 58W, 5000K, Pole Mount Arm, Carbon Bronze	XTOR8B-PMA=81W, 5000K, Pole Mount Arm, Carbon Bronze	
XTOR6B-PC2= 58W, 5000K, 208-277V PC, Carbon Bronze	XTOR8B-347V=81W, 5000K, Carbon Bronze, 347V	
<b>Refractive Lens</b>		
XTOR6BRL=58W, 5000K, Refractive Lens, Carbon Bronze	XTOR8BRL=81W, 5000K, Refractive Lens, Carbon Bronze	XTOR12BRL=102W, 5000K, Refractive Lens, Carbon Bronze
XTOR6BRL-PC1=58W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR8BRL-PC1=81W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR12BRL-W=102W, 4000K, Refractive Lens, Carbon Bronze
XTOR6BRL-WT=58W, 5000K, Refractive Lens, Summit White	XTOR8BRL-WT=81W, 5000K, Refractive Lens, Summit White	XTOR12BRL-347V=102W, 5000K, Refractive Lens, Carbon Bronze, 347V
XTOR6BRL-W=58W, 4000K, Refractive Lens, Carbon Bronze	XTOR8BRL-PC2=81W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	
XTOR6BRL-PMA=58W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	XTOR8BRL-PMA=81W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	
XTOR6BRL-PC2=58W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	XTOR8BRL-W=81W, 4000K, Refractive Lens, Carbon Bronze	
XTOR6BRL-347V=58W, 5000K, Refractive Lens, Carbon Bronze, 347V	XTOR8BRL-347V = 81W, 5000K, Refractive Lens, Carbon Bronze, 347V	

# UCM/UCL

## Universe Collection® – Medium/Large Scale

STREET LIGHT

CONTEMPORARY



- MicroCore™ technology
- First decorative, modular system with precise LED aiming capabilities
- Surge protection included
- 0-10v dimming ready
- IP66 optics
- DLC listed
- Powder coat finish in 13 standard colors with a polymer primer sealer

### ORDERING INFORMATION

UCM/UCL		HOOD		COLOR TEMPERATURE		COLORS		OPTIONS	
<b>UCM</b>	Universe Medium	<b>ANG</b>	Angled hood	<b>UCM</b>		<b>AWT</b>	Arctic White	<b>OPTIONS - HOOD</b>	
<b>UCL</b>	Universe Large	<b>BEL</b>	Bell hood	<b>32LED-3K</b>	Warm White, 3000K output	<b>BLK</b>	Black	<b>COP</b>	Copper
<b>UCM Upgrade Kit – UCM-LK</b>		<b>FLR</b>	Flared hood	<b>32LED-4K</b>	Neutral White, 4200K output	<b>MTB</b>	Matte Black	<b>STS</b>	Stainless Steel
<b>UPLT</b>	For internal illumination. Add 4 watts	<b>STR</b>	Straight hood	<b>32LED-5K</b>	Bright White, 5100K output	<b>DGN</b>	Dark Green	<b>OPTIONS</b>	
<b>Distribution</b>	T2, T3, T4, T5, TL, TR	<b>SKB</b>	Skirted bell hood	<b>UCL</b>		<b>DBZ</b>	Dark Bronze	<b>WIH</b>	Integral HBA wiHUBB IFM transceiver and antenna
<b>Color</b>	32LED-3K, 32LED-4K, 32LED-5K	<b>LUMINOUS ELEMENTS</b>		<b>56LED-3K</b>	Warm White, 3000K output	<b>WRZ</b>	Weathered Bronze	<b>SLC</b>	Luminous element remains unlit during normal operation
<b>Driver</b>	700 (700mA, 75 watts)	<b>WND</b>	4 luminous windows	<b>56LED-4K</b>	Neutral White, 4200K output	<b>BRM</b>	Metallic Bronze	<b>FTG</b>	Flat glass lens.
<b>Bezel Fishes</b>	Available in 13 standard finishes and premium finishes	<b>SR</b>	Solid rings	<b>56LED-5K</b>	Bright White, 5100K output	<b>VBL</b>	Verde Blue	<b>FLD</b>	Lightly diffused finish on flat glass lens
<b>UCL Upgrade Kit – UCL-LK</b>		<b>VSL</b>	Vertical slots	<b>DRIVER</b>		<b>CRT</b>	Corten	<b>SAG</b>	Clear sag glass lens. <b>UCM MicroCore only.</b>
<b>UPLT</b>	For internal illumination. Add 4 watts	<b>LUM</b>	Luminous rings	120 thru 277 volt		<b>MAL</b>	Matte Aluminum	<b>RCK</b>	Rock guard painted black. <b>UCM only.</b>
<b>Distribution</b>	T2, T3, T4, T5, TL, TR	<b>LUMINOUS RINGS COLOR OPTION</b>		<b>UCM</b>		<b>MDG</b>	Medium Grey	<b>LDL</b>	Lightly diffused lens
<b>Color</b>	56LED-3K, 56LED-4K, 56LED-5K	<b>BL</b>	Blue inner lens	<b>700</b>	700mA drive current, 75 watts	<b>ATG</b>	Antique Green	<b>PCA-C</b>	Rotatable photocell housing-contemporary
<b>Driver</b>	700 (700mA, 132 watts) 450 (450mA, 85 watts)	<b>RD</b>	Red inner lens	<b>UCL</b>		<b>LGY</b>	Light Grey	<b>SCP</b>	Programmable motion control, factory default is 50%, requires pole.
<b>Bezel Fishes</b>	Available in 13 standard finishes and premium finishes	<b>GRN</b>	Green inner lens	<b>700</b>	700mA drive current, 132 watts	<b>RAL/PREMIUM COLOR</b>	Provide a RAL 4 digit color number		
		<b>DISTRIBUTION</b>		<b>450</b>	450mA drive current, 85 watts	<b>CUSTOM COLOR</b>	Please provide a color chip for matching		
		<b>T2</b>	Type 2						
		<b>T3</b>	Type 3						
		<b>T4</b>	Type 4						
		<b>T5</b>	Type 5						
		<b>TL</b>	45° Left						
		<b>TR</b>	45° Right						

Please visit [www.aal.net](http://www.aal.net) for mounting, dimensions, weight and EPA.



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MAR 11 2020

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## Parisian Wall Mount Gas Light by Copper Sculptures

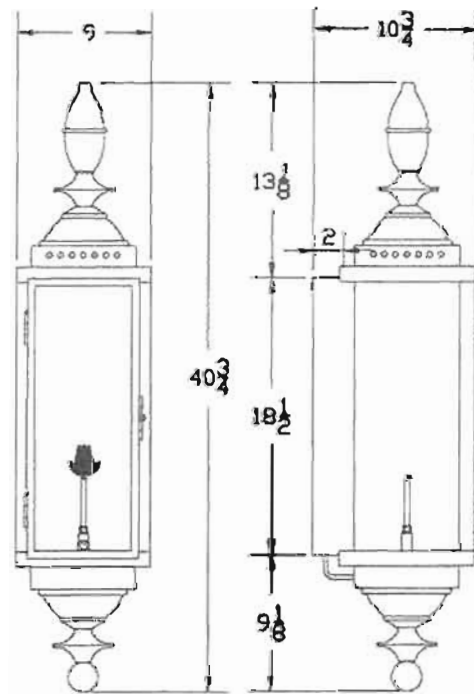
Copper Sculptures, Inc., created by Bill Shook is one of the few remaining companies in the world handcrafting copper lanterns with open flame burners. Sculpting copper and flame into period light fixtures consists of both art and history. Having perfected the craft, Copper Sculptures is able to offer the elegance of period lanterns with contemporary designs. Each lantern is handcrafted with pride and built only of solid copper with no lead to melt, allowing us to guarantee these lanterns for a lifetime.

All natural gas and propane lanterns are C.S.A. certified to comply with ANSI Standard Z21.42 for indoor or outdoor use.

Lantern ID: ECO shown with patina finish black (PFB)

Lantern Dimensions: 40.75 x 9 x 10.75

### EC-1 WALL MOUNT LIGHT



## DESCRIPTION

The patented Lumark Crosstour™ MAXX LED wall pack series of luminaires provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools and loading docks.

## SPECIFICATION FEATURES

### Construction

Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 58W, 81W and 102W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four 1/2" NPT threaded conduit entry points. The back box is secured by four lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

### Optical

Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens

assembly designed for maximum forward throw. Solid state LED Crosstour MAXX luminaires are thermally optimized with eight lumen packages in cool 5000K, neutral 4000K, or warm 3000K LED color temperature (CCT).

### Electrical

LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 58W, 81W and 102W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available in 58W and 81W models only. Crosstour MAXX luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Four half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz, 480V 60Hz, or 347V 60Hz electrical operation. 480V is compatible for use with 480V Wye systems only.

### Emergency Egress

Optional integral cold weather battery emergency egress includes emergency operation test switch (available in 58W and 81W models only), an AC-ON indicator light and a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

### Area and Site Pole Mounting

Optional extruded aluminum 6-1/2" arm features internal bolt guides for supplied twin support rods, allowing for easy positioning of the fixture during installation to pole. Supplied with round plate adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.

### Finish

Crosstour MAXX is protected with a super TGIC carbon bronze or summit white polyester powder coat paint. Super TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

### Warranty

Five-year warranty.

Catalog #	XTOR6BRL-W	Type	WP
Project	WINGS LOT 1 RECEIVED	Date	
Comments	MAR 11 2020		
Prepared by			

City of Chesterfield-Department of Planning



## XTOR CROSSTOUR MAXX LED

APPLICATIONS:  
WALL / SURFACE  
INVERTED  
SITE LIGHTING



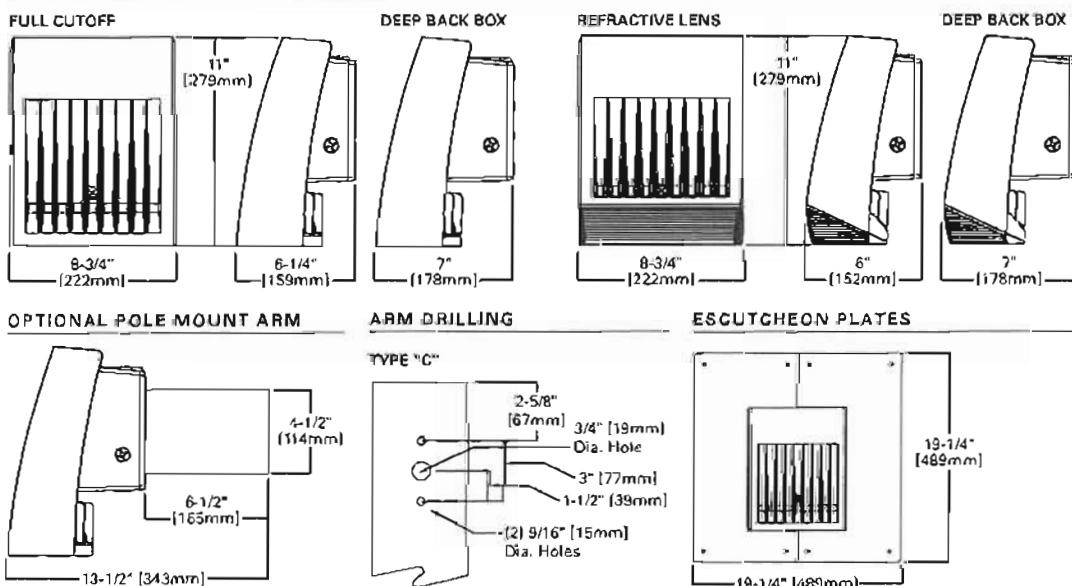
**CERTIFICATION DATA**  
UL/cUL Wer Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
NOM Compliant Models  
3G Vibration Tested  
UL924 Listed (CBP Models)  
IP66 Rated  
DesignLights Consortium® Qualified\*

**TECHNICAL DATA**  
40°C Ambient Temperature  
External Supply Wiring 90°C Minimum

**EPA**  
Effective Projected Area (Sq. Ft.)  
XTOR6B, XTOR8B, XTOR12B=0.54  
With Pole Mount Arm=0.98

**SHIPPING DATA**  
Approximate Net Weight:  
12-15 lbs. [5.4-6.8 kgs.]

## DIMENSIONS

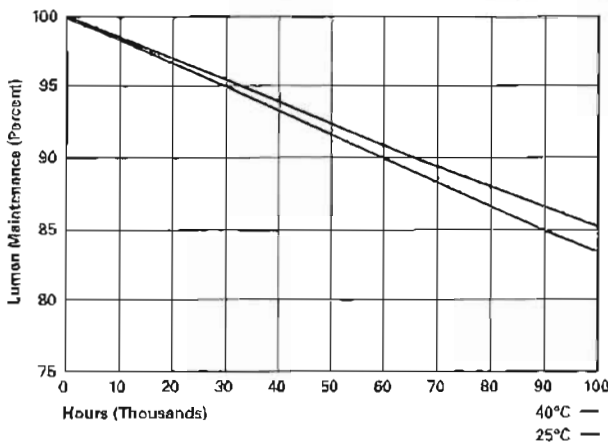


POWER AND LUMENS BY FIXTURE MODEL

58W Series						
LED Information	XTOR6B	XTOR6BRL	XTOR6B-W	XTOR6BRL-W	XTOR6B-Y	XTOR6BRL-Y
Delivered Lumens	6,129	6,225	6,038	6,133	5,811	5,826
B.U.G. Rating	B1-U0-G1	B2-U4-G3	B1-U0-G1	B2-U4-G3	B1-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K	3000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70
Power Consumption (Watts)	58W	58W	58W	58W	58W	58W
81W Series						
LED Information	XTOR8B	XTOR8BRL	XTOR8B-W	XTOR8BRL-W	XTOR8B-Y	XTOR8BRL-Y
Delivered Lumens	8,502	8,635	8,373	8,504	7,748	8,079
B.U.G. Rating	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K	3000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70
Power Consumption (Watts)	81W	81W	81W	81W	81W	81W
102W Series						
LED Information	XTOR12B	XTOR12BRL	XTOR12B-W	XTOR12BRL-W	XTOR12B-Y	XTOR12BRL-Y
Delivered Lumens	12,728	13,458	12,539	13,258	11,861	12,595
B.U.G. Rating	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K	3000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70
Power Consumption (Watts)	102W	102W	102W	102W	102W	102W
EGRESS Information	XTOR6B, XTOR8B and XTOR12B Full Cutoff CBP Egress LED			XTOR6B, XTOR8B and XTOR12B Refractive Lens CBP Egress LED		
Delivered Lumens	509			468		
B.U.G. Rating	N.A.			N.A.		
CCT (Kelvin)	4000K			4000K		
CRI (Color Rendering Index)	65			65		
Power Consumption (Watts)	1.8W			1.8W		

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
<b>XTOR6B Model</b>		
25°C	> 80%	246,000
40°C	> 88%	217,000
50°C	> 88%	201,000
<b>XTOR8B Model</b>		
25°C	> 89%	219,000
40°C	> 87%	195,000
50°C	> 86%	181,000
<b>XTOR12B Model</b>		
25°C	> 89%	222,000
40°C	> 87%	198,000



CURRENT DRAW

Voltage	Model Series				
	XTOR6B	XTOR8B	XTOR12B	XTOR6B-CBP (Fixture/Battery)	XTOR8B-CBP (Fixture/Battery)
120V	0.51	0.71	0.94	0.60/0.25	0.92/0.25
208V	0.25	0.39	0.52	--	--
240V	0.25	0.36	0.45	--	--
277V	0.22	0.31	0.39	0.36/0.21	0.50/0.21
347V	0.19	0.25	0.33	--	--
480V	0.14	0.19	0.24	--	--

ORDERING INFORMATION

Sample Number: XTOR6B-W-WT-PC1

Series <sup>1</sup>	LED Kelvin Color	Housing Color	Options (Add as Suffix)
<b>Full Cutoff</b> XTOR6B=58W XTOR8B=81W XTOR12B=102W  Refractive Lens XTOR6BRL=58W XTOR8BRL=81W XTOR12BRL=102W	(Blank)=Bright White (Standard) 5000K W=Neutral, 4000K Y=Warm, 3000K	(Blank)=Carbon Bronze (Standard) WT=Summit White BK=Black BZ=Bronze AP=Grey GM=Graphite Metallic OP=Dark Platinum	347V=347V <sup>2,3,4,5</sup> 480V=480V <sup>2,3,4,5</sup> PC1=Photocontrol 120V <sup>7</sup> PC2=Photocontrol 208-277V <sup>7,8</sup> PMA=Pole Mount Arm (C Drilling) with Round Adapter <sup>2,6</sup> MS-L20=Motion Sensor for ON/OFF Operation <sup>2,3,15,11</sup> MS/DIM-L20=Motion Sensor for Dimming Operation <sup>2,3,15,11,12,13,14</sup> CBP=Cold Weather Battery Pack <sup>2,3,15,14,17</sup> HA=60°C High Ambient <sup>17</sup>
<b>Accessories (Order Separately)</b>  WG-XTORMX=Crosstour MAXX Wire Guard PB120V=Field Installed 120V Photocontrol PB277V BUTTON PC=Field Installed 208-277V Photocontrol <sup>8</sup> VA1040-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon <sup>16</sup> VA1041-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon <sup>16</sup> VA1042-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon <sup>16</sup> VA1043-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>16</sup> VA1044-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>16</sup> VA1045-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>16</sup> VA1046-XX=2@120° Tenon Adapter for 3-1/2" O.D. Tenon <sup>16</sup>  VA1033-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon <sup>16</sup> VA1034-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon <sup>16</sup> VA1035-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon <sup>16</sup> VA1036-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>16</sup> VA1037-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>16</sup> VA1038-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>16</sup> VA1039-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon <sup>16</sup> EWP/XTORMX=Escutcheon Wall Plate, Carbon Bronze EWP/XTORMX-WT=Escutcheon Wall Plate, Summit White FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>14</sup>			

- NOTES:
- DesignLights Consortium<sup>®</sup> Qualified and classified for both DLC Standard and DLC Premium, refer to [www.designlights.org](http://www.designlights.org) for details.
  - Not available with HA option.
  - Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MS/DIM-L20.
  - Not available with CBP option.
  - Three-branch wiring not available with HA option or with 347V.
  - Only for use with 480V Wye systems. For NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
  - Not available with MS-L20 and MS/DIM-L20 options.
  - Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead.
  - Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WPS13001EN for additional support information.
  - For use in downlight orientation only. Optimal coverage at mounting height of 9'-20'.
  - 120V thru 277V only.
  - Factory set to 50% power reduction after 15-minutes of inactivity. Dimming driver included.
  - Includes integral photo sensor.
  - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff, and more. Consult your lighting representative at Eaton for more information.
  - 120V or 277V operation only.
  - Operating temperatures -20°C to 25°C.
  - Not available in XTOR12B or XTOR12BRL models.
  - Replace XX with housing color.

STOCK ORDERING INFORMATION

58W Series	81W Series	102W Series
<b>Full Cutoff</b>		
XTOR6B=58W, 5000K, Carbon Bronze	XTOR8B=81W, 5000K, Carbon Bronze	XTOR12B=102W, 5000K, Carbon Bronze
XTOR6B-PC1=58W, 5000K, 120V PC, Carbon Bronze	XTOR8B-PC1=81W, 5000K, 120V PC, Carbon Bronze	
XTOR6B-WT=58W, 5000K, Summit White	XTOR8B-WT=81W, 5000K, Summit White	
XTOR6B-W=58W, 4000K, Carbon Bronze	XTOR8B-PC2=81W, 5000K, 208-277V PC, Carbon Bronze	
XTOR6B-PMA=58W, 5000K, Pole Mount Arm, Carbon Bronze	XTOR8B-PMA=81W, 5000K, Pole Mount Arm, Carbon Bronze	
XTOR6B-PC2=58W, 5000K, 208-277V PC, Carbon Bronze	XTOR8B-347V=81W, 5000K, Carbon Bronze, 347V	
<b>Refractive Lens</b>		
XTOR6BRL=58W, 5000K, Refractive Lens, Carbon Bronze	XTOR8BRL=81W, 5000K, Refractive Lens, Carbon Bronze	XTOR12BRL=102W, 5000K, Refractive Lens, Carbon Bronze
XTOR6BRL-PC1=58W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR8BRL-PC1=81W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR12BRL-W=102W, 4000K, Refractive Lens, Carbon Bronze
XTOR6BRL-WT=58W, 5000K, Refractive Lens, Summit White	XTOR8BRL-WT=81W, 5000K, Refractive Lens, Summit White	XTOR12BRL-347V=102W, 5000K, Refractive Lens, Carbon Bronze, 347V
XTOR6BRL-W=58W, 4000K, Refractive Lens, Carbon Bronze	XTOR8BRL-PC2=81W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	
XTOR6BRL-PMA=58W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	XTOR8BRL-PMA=81W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	
XTOR6BRL-PC2=58W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	XTOR8BRL-W=81W, 4000K, Refractive Lens, Carbon Bronze	
XTOR6BRL-347V=58W, 5000K, Refractive Lens, Carbon Bronze, 347V	XTOR8BRL-347V=81W, 5000K, Refractive Lens, Carbon Bronze, 347V	



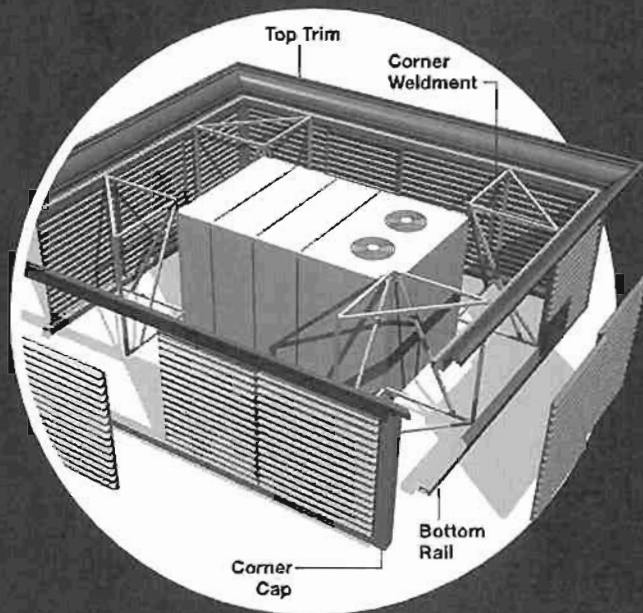
# INNOVATIVE ROOFTOP SCREENS



- ZERO ROOFTOP PENETRATION
- APPROVED FOR USE WITH MOST MAJOR BRANDS
- SLIDING PANELS FOR EASY SERVICE ACCESS

Attractive, code-compliant and long lasting, Envisor equipment screens offer affordable, elegant, customized screening solutions that blend into the overall design, all with no rooftop penetration.

Our patented roof screen system provides practical solutions for municipal screening requirements of HVAC units, chillers, air handlers, power exhausts, roof stacks, communication equipment – you name it!



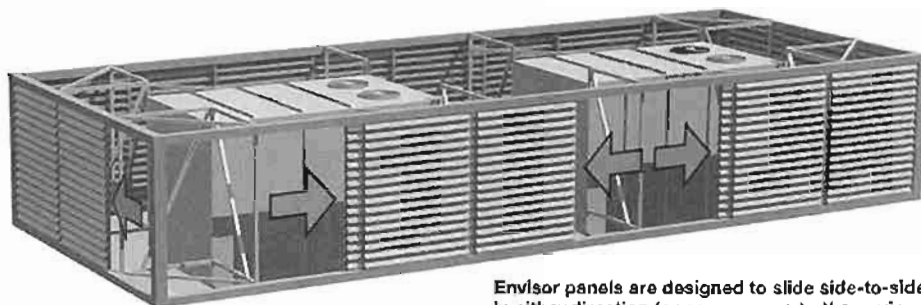
**envisor**<sup>®</sup>

U.S. Patent No. 5,664,384  
U.S. Patent No. 7,000,362  
U.S. Patent No. 7,707,798



Customizing a screen to fit your needs is easy. Simply choose your design, panel style, trim option and color and tell us about the units you want to screen, our project managers will take care of it.

- Professional grade extruded aluminum structural components
- Patented panel guide tracks
- Acrylicap® ABS with UV co-extruded cap on both sides or durable, weather-resistant aluminum



Envisor panels are designed to slide side-to-side in either direction for easy access to the equipment for servicing and routine maintenance.

## DESIGN OPTIONS



Vertical



Canted



Perimeter Wall

## PANEL STYLES

ACRYLICAP ABS



Louver



Horizontal Rib



Brick



7.2 Rib

METAL



7.2 Rib Metal



Pan Metal



Pan



Forest



Batten



Vertical Rib



Vertical Rib Metal



Perforated Metal

## TOP TRIM OPTIONS



Band



Step 2



Step 3



Alamo



Cove

## COLOR OPTIONS



Alabaster



Almond



Cypress Moss



Dark Bronze



Forest Green



Khaki



Oyster



Mansard Brown



Putty



Rancho Red



Sagebrush



Shadow Gray



Slate Gray



Custom Color

## CUSTOM SOLUTIONS

Envisor equipment screens can be manufactured in a limitless combination of shapes and configurations. Let us design one for you! Just tell us the equipment manufacturer, the model numbers, and the special requirements you might have. Call or visit us online.