

Town of Brookfield
645 N. Janacek Road
Brookfield, WI 53045
(P) 262-796-3788
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MEETING NOTICE

Meeting will be held at the
Town of Brookfield Municipal Building, Eric Gnant Room
645 N. Janacek Road, Brookfield, WI

Wednesday, September 11, 2024

Architectural Review Committee

6:00 p.m

AGENDA

- 1) Call to Order.
- 2) Meeting Notices.
- 3) Approval of Agenda.
- 4) Approval of Minutes.
 - a. August 14, 2024 Meeting Minutes
- 5) Old Business:
 - a. Keith Hueffner, representing Master Spa Warehouse, for review and recommendation of final approval of the lighting plan for the proposed warehouse building on the property located at 21675 Doral Rd.
- 6) New Business:
 - a. Dana Zalackowski (Finishing Touch Signs), representing Starbucks, is requesting approval for replacement of multiple existing on-site signs and menu boards, located at 17980 West Bluemound Road.
 - b. Paul Butler (Bauer Signs & Lighting), representing Bullwinkles, is requesting permanent signage approval to install three wall mounted signs, located at 18900 West Bluemound Road
- 7) Communication and Announcements.
- 8) Adjourn.

Posted this 5th day of September, 2024
Bryce Hembrook
Town Planner

TOWN OF BROOKFIELD
ARCHITECTURAL REVIEW COMMITTEE MINUTES
AUGUST 14, 2024

The regular meeting of the Architectural Review Committee was held in the Erich Gnant Room of the Town Hall, 645 N Janacek Road, Brookfield, WI.

1) CALL TO ORDER.

Chairman Dean Pearson called the meeting to order at 6:00 p.m. with the following people present: Town Planner Bryce Hembrook; Town Supervisors John Charlier and Steve Kohlmann; and Committee members Alan Lee, and Matt Paris.

2) MEETING NOTICES.

Planner Hembrook reported that the meeting was noticed in accordance with Open Meeting Law.

3) APPROVAL OF AGENDA.

Motion by Charlier to approve the agenda.

Seconded by Kohlmann.

Motion carried unanimously.

4) APPROVAL OF MINUTES.

Chairman Pearson noted that on Item 5 (old business) regarding LED lighting at Bullwinkle's at the Galleria, the ARC members were to be notified when lighting was turned down to 50%, but so far there has not been any notification. Hembrook responded that he has been in touch with Bullwinkle's and they had not made that change as of yet. Pearson suggested that the Town has been generous with Bullwinkle's, and recommended that based on the discussion in June 2024, the lighting should now be turned off.

Motion by Kohlmann to approve the minutes of the June 12, 2024 minutes as presented

Seconded by Charlier.

Motion carried unanimously.

5) Old Business:

a. Keith Hueffner, representing Master Spa Warehouse, for review and recommendation of final approval of the lighting plan for the proposed warehouse building on the property located at 21675 Doral Road.

Planner Hembrook reported that the project received final approval from the Town Board on the condition that the applicant go back to the ARC for final approval for the lighting plan. An updated photometric plan was provided in the packet. Pearson inquired about cut sheets that include the light color. Peggy with Lighting Design Solutions was present and had spec sheets. Pearson pointed out that the A2 fixture specifically states that it is a forward throw optic, which is what the objection was the first time. Peggy pointed out that the fixtures are a full cut off, so there will be no glare because the lens will be not be seen. Pearson responded that the fixture height on the building means the LED's are seen from a distance, and he showed a similar situation on a property in the Town. The height of the fixtures were confirmed by Kelly Sperl (Project Architect) as being slightly over 16' on the Doral Road side of the building, and the I-94 side is below 13'. Pearson asked if there is another fixture that could be used. Peggy said she would look into it. The possibility of a shield was brought up. Pearson also asked why there are not numbers under the light poles on the photometric plan. Paris asked why there are not photometrics past the property line. Peggy responded that there is not light beyond the property line, but will speak to the lighting designer to get concrete answers. Hembrook suggested that if the number is 0.0 for example beyond the property line, that should be included in the photometric plan. Kohlmann asked why there is no lighting on the west side of the building, and should there be. Sperl pointed out that the door on that side is only for fire department access. By code, lighting is not required there, because it is not an exit.

Motion by Kohlmann to table the lighting plan for the proposed warehouse building on the property located at 21675 Doral Road, until the next meeting date on September 11, 2024.

Seconded by Paris.

Motion carried unanimously.

6) New Business:

- a. Robert Flores (Restoration Builders), representing Harvard Square Baceline, LLC, is requesting architectural review and approval for replacement and color change of the siding of the two buildings at 18000 West Bluemound Road. Planner Hembrook presented the item as follows: The applicant has provided three different renderings; one with the existing color scheme, and two alternative color schemes for review. Mr. Flores addressed the ARC and reported there are some siding elements that are being replaced with James Hardy siding boards, including areas that are currently EFCS. White with black trim is the preferred color scheme of the development, followed by dark blue with white trim, and finally gray with white trim.

Motion by Lee to approve replacement and color change of the siding of the two buildings at 18000 West Bluemound Road to the white with black trim color scheme.

Paris suggested an amendment to the motion approve all three of the color schemes submitted at tonight's meeting.

Lee amended the motion to approve replacement and color change of the siding of the two buildings at 18000 West Bluemound Road to include the white with black trim, or gray with white trim, or blue with white trim.

Seconded by Charlier.

Motion carried unanimously.

- b. Keith Hueffner, representing Master Spa Warehouse, is requesting approval of a dumpster enclosure adjacent to the Master Spas building, located at 21675 Doral Road. Planner Hembrook presented the item as follows: the location for the dumpster enclosure is proposed on the northeast side of the proposed new building. The existing building does not have a dumpster enclosure, and is proposed to be on the northwest side of the building, placed at an angle. There is a dock platform that would still accommodate a semi-truck on the existing building on the east side of the parcel. Kelly Sperl (Project Architect) noted the masonry would be either split face, or match the existing building with fluted block. Because of a slope, there will be a poured concrete foundation wall. The canopy on the front of the existing building is free-standing, and therefore not structural. The sidewalk will be redone to eliminate trip hazards.

Motion by Charlier to approve a dumpster enclosure and sidewalk replacement, and removal of the canopy, adjacent to the Master Spas building, located at 21675 Doral Road.

Seconded by Kohlmann.

Motion carried unanimously.

- c. J'kayla Hodges (Sign Effectz), representing Discount Tire, is requesting approval for permanent signage for two wall signs and a tenant panel sign on an existing pylon sign, located at 20120 West Bluemound Road. This is a reapplication due to expiration of the previously approved permit. Hembrook reported that a sign on the east side of the building is not included in this submittal. There is a bit of white on the pylon sign that is illuminated to look like a tire. The address numerals are included. Pearson suggested the numerals on the southeast portion of the front be more centrally located. Paris mentioned that he does not care for the signage, especially with the surrounding development; but would approve it because it is already there.

Kohlmann responded to that comment, saying he does not think this building, nor the signage and fonts for the signage is consistent with the multi-million dollar development around this property. Kohlmann also mention that he was not at the previous meeting that initially approved the signage. Kohlmann opined that the building owner did not make this building fit in with the new development. Kohlmann also mentioned that the font is thought of at the Town Board level as the “Fred Flinstone” font, which also does not fit in with the area. Lee concurred with the font style. Charlier is of the opinion that Wimmer should have thought of that and bought the building, even if it would have been more costly. Charlier is in agreement with the font comments. Pearson mentioned that the font is Discount Tires corporate logo.

Motion by Charlier to approve permanent signage for two wall signs and a tenant panel sign on an existing pylon sign as presented, located at 20120 West Bluemound Road.

Seconded by Lee.

Motion carried 4-1, with Kohlmann opposed.

d. Aaron Grochowski (Signarama), representing The Great Greek, is requesting permanent signage approval to install two wall mounted signs, and replacing one freestanding sign insert at 21481 E Moreland Boulevard.

Planner Hembrook presented the item as follows:

- Two new permanent wall signs, one of which is a circular logo sign. Proposed sign is approximately 12.6 square feet, internally illuminated with a white background, “The Great Greek” in blue letters, and “Mediterranean Grill” in red letters.
- A channel letter name sign to the right of the above sign, approximately 37.8 square feet, also internally lit.
- Logo sign white background does not meet Town code.
- Total sign area of 50.4 square feet does not meet the Town code area limit of 42 square feet.

The committee may allow the sign to exceed this requirement. The previous tenant (Firehouse Subs) received a similar exception to exceed the requirements by 4.15 square feet.

- Proposed pylon sign will be 51.9 square feet on each side (103.8 square feet total), internally illuminated with a white background “The Great Greek” in blue letters, and “Mediterranean Grill” in red letters. The sign size meets Town code. The white background does not meet Town code.
- Applicant has not provided night renderings of the proposed sign.

Mr. Grochowski passed out alternate plans for blue background for logo and pylon sign. The pylon sign replacement is replacing an existing pylon sign insert. It was the consensus of the ARC that the blue background on the alternate plan is preferable.

Motion by Paris to approve permanent signage to install two wall mounted signs, with the logo sign having a blue background, and replacing one freestanding sign insert with a blue background at 21481 E. Moreland Boulevard.

Seconded by Charlier.

Motion carried unanimously.

e. Jaina Westphal (Lemberg Electric), representing Chuck E. Cheese, is requesting permanent signage approval to remove and replace two wall mounted signs, and replace the freestanding sign inserts and repaint the freestanding sign at 19125 West Bluemound Road.

Planner Hembrook presented the item as follows: Removal and discard of the current signage, as well as an awning. The proposal includes two permanent wall signs, and one pylon sign.

- Wall Mounted Signs
 - Logo Sign
 - Requesting to add a circular sign. The proposed sign is approximately 49.0 square feet, internally illuminated with a predominantly red background and a mostly grey graphic of the company mascot.
 - Name Sign (Channel Letter)
 - Requesting to add an internally lit wall sign with the logo and “Chuck E. Cheese” in red. The sign is 68.7 square feet.

- Both backgrounds for the signs appear to meet code requirements
- Both wall signs project approximately 7" from the wall and meet Town code
- The total sign area of 117.7 square feet meets the Town code
- Applicant has provided night renderings of the proposed sign.
- Pylon Sign Insert replacement and repainting
 - Requesting to replace an existing pylon sign insert with no alterations to the sign's physical dimensions.
 - Proposed sign dimensions:
 - Lettering area – 57.66 square feet each side, 115.32 square feet total
 - Logo area – 25.76 square feet each side, 51.52 square feet total
 - Total sign area – 84.32 square feet each side, 166.84 square feet total
 - Proposed sign appearance
 - Lettering area will have a white background with "Chuck E. Cheese" in red lettering
 - Logo area will show the company mascot with mostly grey body and green clothing
 - Both areas will be illuminated
 - Proposed painting alteration will make sign structure matte silver with black address numbers
 - The pylon sign size does not meet Town code. However, it is replacing and already approved pylon sign in the same location and not altering the size or structure of the existing sign
 - The lettering sign illumination appears to meet Town code as the white background will be opaque, limiting the illumination at night. The logo sign illumination does meet Town code.
 - Applicant has provided night renderings of the proposed sign.
- Temporary sign note
 - Notes on the plan call out some temporary signs. These will be internally reviewed by Town staff upon receipt of their individual temporary sign applications.

Pearson asked if the mascot on the pylon sign is illuminated, and the response was yes, it is illuminated. Paris noted that he does not care for the opaque background, and would prefer it to be darker. Tina from Lemberg was present in place of Jaina Westphal and responded that no light will illuminate past the opaqueness, you will just see the red "Chuck E. Cheese" lettering. Lee asked why the mascot on the pylon is different from the mascot in the circular logo on the building. Tina responded that they could not change the pylon to be the same as the wall mascot without modifying it, which would then make it non-conforming and would have to change to a monument sign.

Motion by Charlier to approve permanent signage to remove and replace two wall-mounted signs, and replace the freestanding sign inserts and repaint the freestanding sign for Chuck E. Cheese, at 19125 West Bluemound Road.

Seconded by Kohlmann.

Motion carried unanimously.

- f. Ken Krahe (MSI General Corp), representing Silgan Containers, for review and recommendation of preliminary and final approval for a boiler room and warehouse/mechanical room addition to the existing principal building, located at 21027 Crossroads Circle.

Planner Hembrook presented the item as follows: The Plan Commission and Town Board reviewed conceptual approval and recommended approval. The proposed addition meets setbacks and building height. The proposed size is 4,463 square feet, and the existing building is a 128,632 square feet 2-story building. The proposed use is for mechanical expansion, HVAC expansion, and some warehousing. Addition is on the southwest side of the building. Parking requirements are met, with 350 existing parking stalls. A garbage enclosure was included on the plans, to the south of the proposed addition. Plan Commission and Town Board requested signage information. Hembrook noted that the ARC would be reviewing signage at a separate meeting; however, the applicant did include potential signage in this submittal. Krahe noted that there is no signage on the building, and Silgan is just replacing the lettering on the monument sign and some directional signs. The development review team is currently reviewing the proposal, and no concerns have been raised. The town engineer felt there was not a need for an engineering review letter. Kohlmann questioned the lighting after some tree removal and how it may affect the neighbors. Krahe responded that currently there is no lighting on that southwest façade of the building, and there will be no additional lighting added.

Krahe added that the overhead door shown on the plans might be eliminated, as they are still developing the floor plan. In that case, access to the new space would then be internally from the existing building. Pearson asked about materials. Krahe responded that they would match the brick as close as they can. The windows have been eliminated because of the use of space and it is a way to keep it quieter. Intake and exhaust will be going through the roof. Signage was briefly discussed, even though it is not an agenda item. Paris prefers the signs not be white. Hembrook noted input on signage is helpful to the sign company. Pearson commented that signage should be consistent with the rest of the business park. Kohlmann was in agreement with Paris's comments.

Motion by Kohlmann to recommend preliminary and final approval for a boiler room and warehouse/mechanical room addition to the existing principal building for Silgan Containers, located at 21027 Crossroads Circle.

Seconded by Charlier.

Motion carried unanimously.

Additional Note: Krahe inquired if he would need to come back to ARC if the overhead door is removed. Hembrook responded that if he can have that ready by the Town Board meeting, that would be ideal.

7) COMMUNICATION AND ANNOUNCEMENTS.

None.

8) ADJOURN.

Motion by Kohlmann to adjourn at 7:23pm.

Motion carried unanimously.

Respectfully submitted,
Bryce Hembrook, Town Planner



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for All of Us®

TOWN OF BROOKFIELD ARCHITECTURAL REVIEW COMMITTEE STAFF REPORT

TO: Architectural Review Committee

FROM: Bryce Hembrook, AICP
Town Planner

REPORT DATE: September 5, 2024
ACC MEETING DATE: September 11, 2024

RE: ARC Staff Report – September 2024 Agenda Items

Master Spas – Lighting Review

Applicant: Keith Hueffner

Location: 21675 Doral Rd

- The Master Spas project received final approval from the Town Board on the condition that the applicant go back to the Architectural Review Committee for final approval for the lighting plan.
- This item was discussed and tabled at the August ARC meeting.
- New materials have been included in this packet.

Starbucks – Sign Review

Applicant: Dana Zalackowski, Finishing Touch Signs – Representing Starbucks

Location: 17980 W Bluemound Rd

Request: Approval for replacement of multiple existing on-site signs and menu boards

- Digital Ordering Sign (DOS) – Item ‘F’ on in plans
 - Applicant is proposing the removal of an internally illuminated non-digital ordering sign with an internally illuminated digital ordering sign. This includes the addition and installation of a black metal canopy over the ordering sign – item ‘G’ in the plans.
 - All existing signs and menu boards were approved as presented in 2014.
 - Dimensions and appearance
 - Digital Ordering Sign
 - 3’ – 1 1/2” x 4’ – 1 3/4” atop a 1’ – 9 3/4” stand.
 - The sign cabinet and mounting stand are black, and the menu sign shows images of Starbucks offerings over a cream background.
 - Canopy
 - 4’ – 8” x 10’ – 3 7/8”. The canopy will extend 8’ – 7 7/8” over the drive-thru lane.
 - The entire canopy will be black.

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- The proposed sign is similar in color and design to the existing ordering sign, and the canopy is consistent with the proposed sign and existing building's aesthetics.
- Approval is at the discretion of the Architectural Review Committee.
- Applicant has provided night renderings of the proposed sign
- Digital Menu Board – Item 'H' on in plans
 - Applicant is proposing the removal of an internally illuminated non-digital menu board with an internally illuminated digital menu board.
 - Proposed menu board is 7' – 10 1/2" x 3' – 6 3/4" atop a 1' – 6 3/4" stand. The menu board has three panels, each about 1/3 the total menu board width in size (approximately 1' - 11 1/4" wide each). The sign cabinet and mounting stand are black, and the menu boards show images of Starbucks offerings over a cream background.
 - The proposed sign is similar in color and design to the existing ordering sign, and the canopy is consistent with the proposed sign and existing building's aesthetics.
 - Approval is at the discretion of the Architectural Review Committee.
 - Applicant has provided night renderings of the proposed sign
- Dual-Sided Exit Sign – Item 'I' on in plans
 - Proposed two sided sign is black, with a red "X" and white "Exit Only" (approximately 8 3/8" x 10-7/8") on one side, and a white "Thank You!" (approximately 5 1/4" x 1'-2 1/2") on the other. All text is shown as 2-3/8" high. The sign will be internally illuminated.
 - "Exit Only" and "Thank You" messages are consistent with the existing sign
 - The text height and area meets the Town's Code.
 - Approval of the directional and informational sign are at the discretion of the Architectural Review Committee.
 - Applicant has provided night renderings of the proposed sign.
- Parking Stall "Order Pick-Up" signs – Item 'J' on in plans
 - The proposed signs will mark three existing parking spaces. They will be 1' x 1' – 6" in size, and have "Order Pick Up Only", an image of a hand using a mobile device, and "5 minutes" printed in white letters over a dark green (Starbucks Green) background. It is assumed these will be mounted on posts behind the curb, but no mounting information is given.
 - These signs are similar to the internal information signs on the adjacent Cousins Subs property.
 - Approval is at the discretion of the Architectural Review Committee.
- Replace two Channel Letter Signs - Items 'K' and 'L' on in plans
 - Both signs will be internally illuminated, with "STARBUCKS COFFEE" in dark green (Starbucks Green) channel letters.
 - Size
 - Sign K (facing south) – 35.7 square feet / 18" x 286" (length not shown, scaled on the PDF)
 - Sign L (facing north)– 21.5 square feet / 14" x 221" (length not shown, scaled on the PDF)
 - The proposed signs are in similar lettering and similar in size to the existing signs.
 - Three existing Logo signs and one small Drive Thru sign will remain. The three on-building logo signs are approximately 106 square feet total.
 - The total area of the proposed and existing on-building signs are shown below:
 - Breakdown per elevation:
 - North (facing parking lot and drive access)
 - Proposed SF – 41.1 SF
 - Total allowed – 62.24 SF

- Note: This elevation does not abut public right-of-way but was approved by the ARC. The total allowed mentioned above is multiplying the building frontage x .8.
- East (facing drive access)
 - Existing SF – 19.62 SF
 - No changes proposed on this elevation.
 - Note: This elevation does not abut public right-of-way but was approved by the ARC
- South (facing Bluemound)
 - Proposed SF – 35.7 SF
 - Total allowed – 62.24 SF
- West (facing Woelfel Rd)
 - Existing SF – 27.5 SF
 - Total allowed – 30.4 SF
 - No changes proposed on this elevation

Bullwinkles – Sign Review

Applicant: Paul Butler, Bauer Signs & Lighting – Representing Bullwinkles

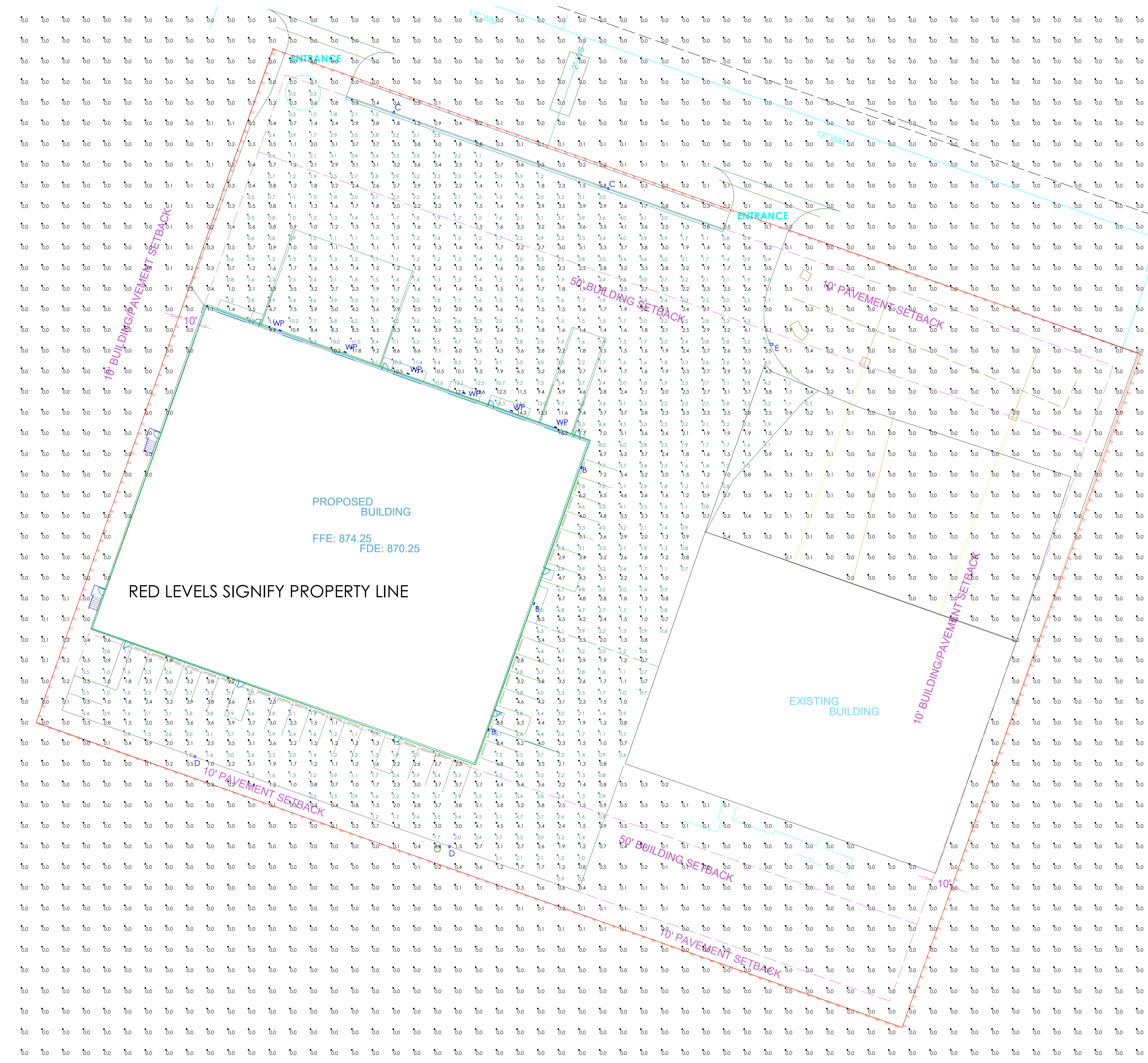
Location: 18900 W Bluemound Rd

Request: Approval of three new permanent wall signs.

- Please note: One of the maps in the packet shows two signs proposed on the rear elevation facing towards Brookfield Road. Only 1 sign is proposed on this side of the building.
- There are also two existing channel letter signs and 1 existing logo sign.
- Proposed Clubhouse Sign
 - The proposed internally illuminated sign is 50 square feet / 120" x 60" with an opaque black background and translucent gold metallic lettering.
 - The plans do not show how far the sign extends from the wall.
 - The individual sign area is 50 square feet.
 - The illumination meets the Town Code.
 - It is unknown if the projection meets the Town Code of 12" maximum.
 - Applicant has provided night renderings of the proposed sign
- Proposed Circle Sign – East Side
 - The proposed internally illuminated sign is 28.27 square feet / 72" circular with an opaque black background and translucent white lettering/graphics.
 - The plans do not show how far the sign extends from the wall. However, they do mention the sign is flush mounted.
 - The individual sign area of 28.27 square feet meets the Town code.
 - Approximately 120 SF is allowed along north/east elevation.
 - The illumination meets the Town Code.
 - It is unknown if the projection meets the Town Code of 12" maximum.
 - Applicant has provided night renderings of the proposed sign
- Proposed Circle Sign – West Side
 - The proposed internally illuminated sign is 28.27 square feet / 72" circular with an opaque black background and translucent white lettering/graphics.
 - The plans do not show how far the sign extends from the wall. However, they do mention the sign is flush mounted.
 - The individual sign area is 28.27 square feet.

- The illumination meets the Town Code.
- It is unknown if the projection meets the Town Code of 12" maximum.
- Applicant has provided night renderings of the proposed sign

- Bullwinkles and the Clubhouse occupy multiple spaces within the Galeria multi-tenant building. The total building frontage lineal feet facing south/west is approximately 150 feet, allowing for 120 total square feet of signage on the south/west side.
 - Proposed Signage Total = 78.27 square feet
 - Estimated Existing Signage Total = 112.27
 - Two channel letter signs = 42 square feet (2' x 21') each
 - One Circular Sign = 28.27 square feet
 - Final total signage = 190.54 square feet
 - The proposed signage would increase the total signage area to exceed the maximum required sign area by approximately 70 square feet.
 - The ARC may grant an exception to allow for the signage to exceed this requirement.



Scale: 1 inch= 26 Ft.

Symbol	Qty	Label	Description	Luminaire Watts	Total Watts	Tag	Mounting Height
	3	B	LED FULL CUTOFF WALL PACK	122	366	LSI XWM-FT-LED-18L-40-UE-BRZ	17
	2	C	LED AREA LIGHT WITH INTEGRAL LOUVER SHIELD ON 25' SSS POLE	196	392	LSI MRS-LED-24L-SIL-FT-UNV-DIM-40-70CRI-BRZ-IL	25
	2	D	LED AREA LIGHT WITH INTEGRAL LOUVER SHIELD ON 25' SSS POLE	165	330	LSI MRS-LED-21L-SIL-3-40-70CRI-BRZ-IL	25
	1	E	LED AREA LIGHT WITH INTEGRAL HALF LOUVER SHIELD ON 25' SSS POLE	196	196	LSI MRS-LED-24L-SIL-4-40-70CRI-BRZ-IH	25
	6	WP	LED FULL CUTOFF WALL PACK	100	600	MAXLITE WPC100IT4-WCSBPCCR	18

Calculation Summary					
Label	Units	Avg	Max/Min	Min	Max
ENTIRE PROPERTY CALCS	Fc	0.7	N.A.	0.0	15.2
PROP CIRCULATION-PARK CALCS ONLY	Fc	2.8	70.5	0.2	14.1
PROPERTY LINE	Fc	0.1	N.A.	0.0	0.2

To request the Project Quotation for these materials or to place the order, please contact:
 Sales@LightingDesignSolutions.com or call us at 1-888-357-7070

Lighting shall be installed and maintained in accordance with the standards set forth herein. No exterior lighting used for parking lots, recreational facilities, product display, or security shall be permitted to spillover on operators of motor vehicles, pedestrians, and uses of land in the vicinity of the light source. These requirements shall not apply to lighting placed in a public right-of-way for public safety. The requirements are:

- Type. Shielded luminaires, or luminaires with cutoff optics, and careful fixture placement shall be required so as to facilitate compliance with this section.
- Orientation. Exterior lighting fixture shall be oriented so that the lighting element (or a transparent shield) does not throw rays onto neighboring properties. No lighting source shall be visible from outside its premises. Light rays shall not be directed into street rights-of-way or upward into the atmosphere. No horizontal throw via outward projecting lenses or optics shall be permitted contributing as a point glare source.
- Minimum lighting standards. All areas designated on approved site plans for vehicular parking, loading, or circulation and used for any such purpose after sunset shall provide artificial illumination in such areas at a minimum intensity of 0.4 footcandle, exclusive of approved anti-vandal lighting. This standard shall not apply to properties in agricultural and single-family residential districts.
- Intensity of illumination. The intensity of illumination, measured at the property line, shall not exceed 0.2 footcandle.
- Location. Light fixtures shall not be permitted within required buffer yards.
- Flashing, flickering, and other distracting lighting which may distract motorists is prohibited.
- Nuisances. Lighting which creates or becomes a public nuisance is not permitted.
- Accent lighting and low voltage lighting (12 volts or less) is exempt from these requirements.
- Nonconforming lighting. All lighting fixtures approved prior to the adoption of this chapter shall be treated as and regulated as legal nonconforming uses (see § 17.09).

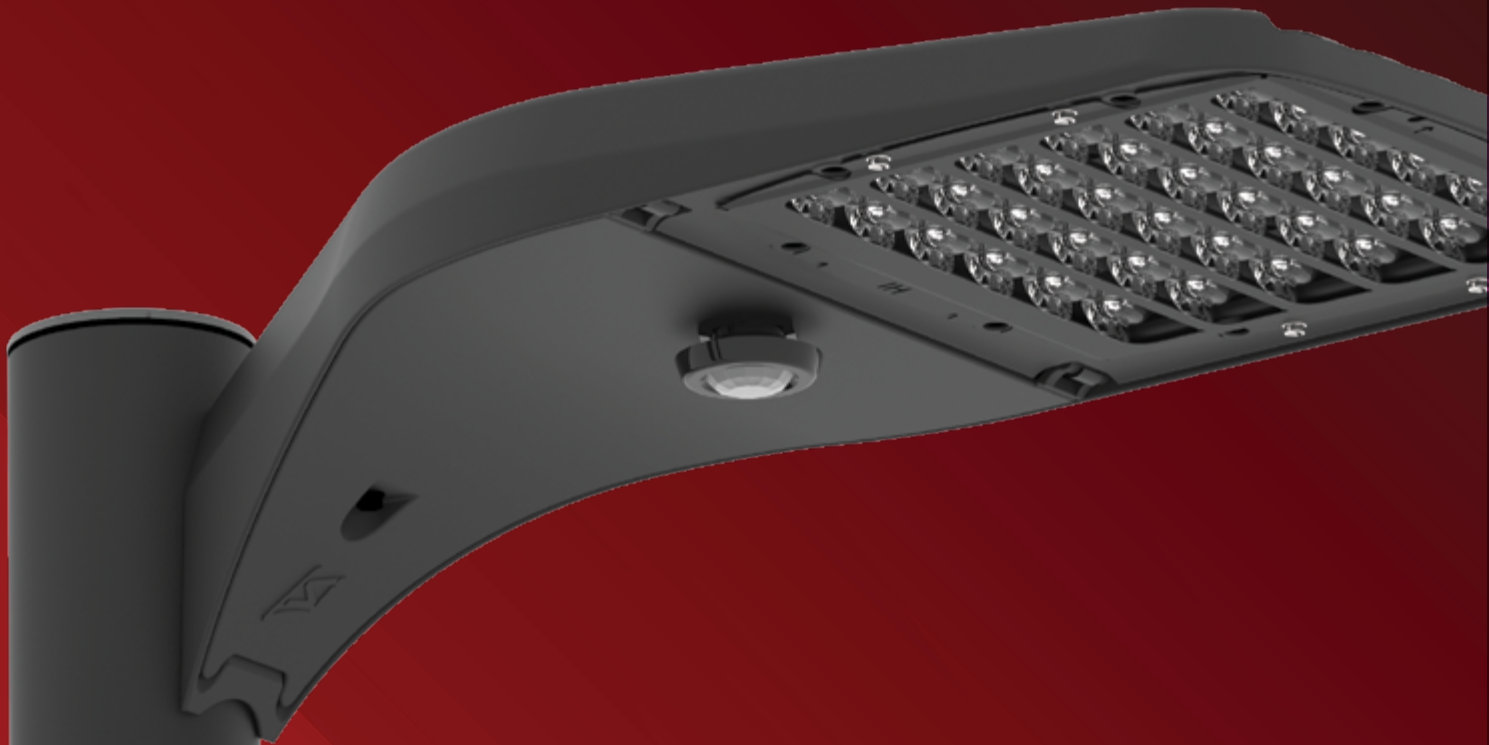
These plans, schedules, calculations, and lighting concepts are the property of Lighting Design Solutions (LDS) and are not to be shared, reproduced, viewed, or used in any manner without the explicit written permission of LDS. All luminaires and accessories purchased for this project are to be supplied by LDS unless other arrangements that include additional reimbursement for design costs are codified in a pre-approved written agreement with LDS.

These plans are not approved for construction unless specifically noted. They have not been reviewed or approved by any local or state agency, nor has the building owner confirmed final acceptance of the design or materials. Once approved, the final weeks after release unless specifically noted as "in-stock" or "quick ship" on the LDS Project Quotation.

Lighting performance and energy calculations are based on photometric data provided by the specified manufacturers, expected site finishes, anticipated energy costs, current rebate programs, and the projected operational use of the facility. Lighting Design Solutions, Inc. accepts no responsibility for variances resulting from inaccurate or changed data files, drawings, reflectance values, or rebate programs, and guarantees no alternate funding or rebate payment.



PROJECT INFORMATION: NEW CONSTRUCTION WAREHOUSE BUILDING TOWN OF BROOKFIELD, WI	DRAWN BY: A. THOMER	REVIEWED BY: A. THOMER	DATE: 08/21/2024
	CONTRACTOR: MEYERS ELECTRIC	APPROVED BY:	
Lighting Design Solutions, Inc. Milwaukee Office: 955A Walnut Ridge Drive Horland, WI 53029 Design@LightingDesignSolutions.com www.LightingDesignSolutions.com	Schoolfield Office: PO Box 375 Schofield, WI 54476 Office: 888.357.7070 Fax: 715.693.2594		

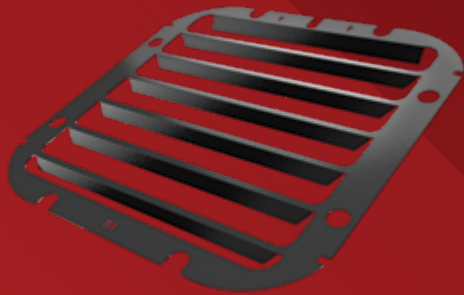


AREA LIGHT SHIELDING

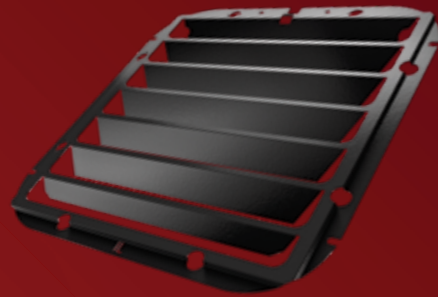
Internal and External Lighting Solutions

INTEGRAL SHIELDING

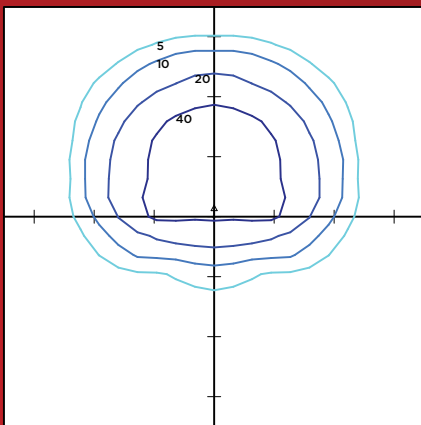
TWO OPTIONS:



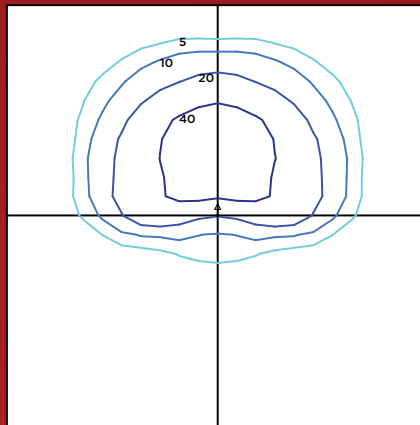
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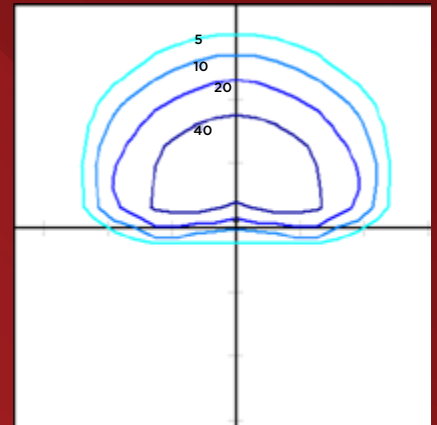
IL



Standard Optic



With IH



With IL



LSI's Silicone Optics feature top of the market light control that is unparalleled in Area and Court lighting applications. On top of this backlight cutoff, LSI offers two additional integral shielding options. An Integral louver that offers extreme backlight cutoff but also has a positive impact on the delivered lumens. This shield is perfect for municipal locations that run up against other property lines. LSI also offers an Integral House Side Shield that delivers superb backlight cutoff with minimal affect on delivered lumens. This is accomplished by shortening the fins on the shield, allowing more light to come through while still maintaining control of the backlight. This shield is perfect for applications that need light to be controlled but with less of an extreme cutoff against a property line.

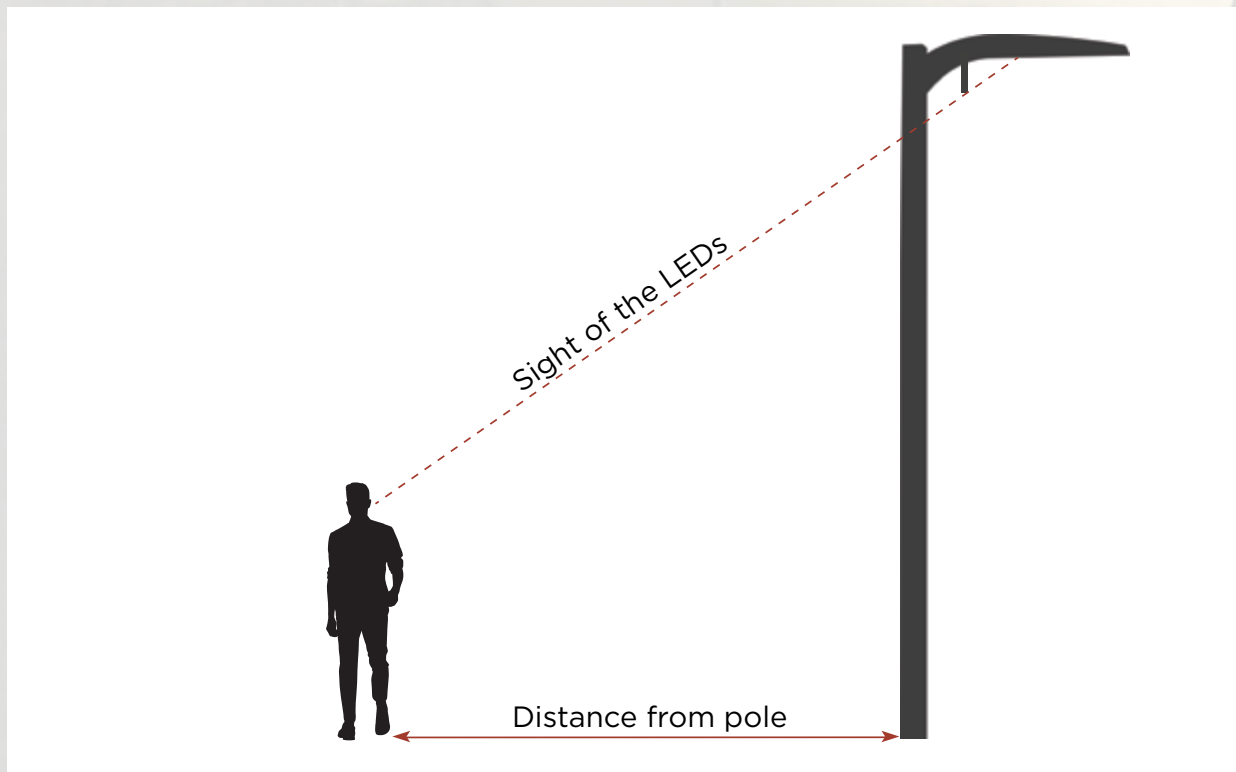
EXTERNAL SHIELDING



SLM/MRS/MRM/ZNM Backlight							
Mounting Height (Feet)	HEIGHT OF SHIELD (Inches)						
	2"	3"	4"	5"	6"	7"	8"
15'	72'	48'	36'	29'	24'	21'	18'
17.5'	84'	56'	42'	34'	28'	24'	21'
20'	96'	64'	48'	39'	32'	28'	24'
22.5'	109'	72'	54'	43'	36'	31'	27'
25'	120'	80'	60'	48'	40'	34'	30'
27.5'	133'	88'	66'	53'	44'	38'	33'
30'	145'	96'	72'	58'	48'	41'	36'

* Numbers represent distance from which someone can see the LEDs of the fixture with an external shield attached.

MRL/ZNL Backlight							
Mounting Height (Feet)	HEIGHT OF SHIELD (Inches)						
	2"	3"	4"	5"	6"	7"	8"
15'	9'	64'	48'	39'	32'	28'	24'
17.5'	113'	75'	56'	45'	38'	32'	28'
20'	129'	86'	64'	51'	43'	37'	32'
22.5'	145'	97'	72'	58'	48'	41'	36'
25'	161'	107'	80'	64'	54'	46'	40'
27.5'	177'	118'	88'	71'	59'	51'	44'
30'	193'	129'	97'	77'	64'	55'	48'



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03/15/22
PRBR.1116.B.0322



Mirada Medium Wall Sconce (XWM)

Outdoor Wall Sconce



OVERVIEW

Lumen Package	3,000 - 21,000
Wattage Range	23 - 175
Efficacy Range (LPW)	125 - 158
Weight lbs(kg)	27 (12.2)
Control Options	IMSBT, ALB, ALS, PCI

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Hinged die-cast aluminum wiring access door located underneath.
- Galvanized-steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wire connections without removing the luminaire.
- Optional pole-mounting bracket (XPGA) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Max shipping weight: 30lbs in carton

Optical System

- State-of-the-Art one piece silicone optic provides industry leading optical control while also acting as an integrated gasket reducing system complexity and improving fixture reliability.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, 4, and FT distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.

- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours
- Total harmonic distortion (THD): <20%
- 3L to 12L operating temperature: -40°C to +50°C (-40°F to +122°F)
- 15L operating temperature: -40°C to +45°C (-40°F to +113°F).
- 18L operating temperature: -40°C to +40°C (-40°F to +104°F).
- 21L operating temperature: -40°C to +35°C (-40°F to + 95°F).
- Power factor (PF): >.90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Integral passive infrared Bluetooth™ motion sensor options. Fixtures operate independently and can be commissioned via an iOS or Android configuration app. Updates and modifications to the control strategy are easily implemented via an intuitive app.

- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated fixture sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical compartment for installing/servicing.
- Optional terminal block accepts up to 12 ga wire.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.
- 1 Year warranty on Battery Back-up option.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K or lower color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP65 rated luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPGA bracket) or wall mounted.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Type : _____

 **Have questions?** Call us at (800) 436-7800

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: XWM 2 LED 03L 30 UE BRZ ALSC				
Family	Distribution	Light Source	Lumen Package	Color Temperature
XWM - Mirada Medium Wall Sconce	2 - Type 2 3 - Type 3 4 - Type 4 FT - Type 4 Forward Throw	LED	3L - 3,000 4L - 4,000 6L - 6,000 8L - 8,000 12L - 12,000 15L - 15,000 18L - 18,000 21L - 21,000 Custom Lumen Packages ¹	30 - 3000K 40 - 4000K 50 - 5000K AMB - Phosphor Converted Amber ²
Voltage	Finish	Controls		Options
UE - Universal Voltage (120-277V) HV - High Voltage (347-480V)	BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	Blank - None Wireless Controls ALSC - AirLink Synapse Control System ALSCS01 - AirLink Synapse Control System with 8-12' Motion Sensor ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH) ³ ALBCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH) ³ Standalone Controls DIM - 0-10v Dimming leads extended to housing exterior IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH) ^{3,4} IMSBT2 - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH) ^{3,4} Button Type Photocells PCI120 - 120V PCI208-277 - 208 -277V PCI347 - 347V		Blank - None BB - Battery Back-up (0°C) ⁵ CWBB - Cold Weather Battery Backup (-20°C) ⁵ XPMA - Pole Mounting Bracket SP1 - 10kV Surge Protection TB - Terminal Block



Need more information?
Click here for our glossary

Have additional questions?
Call us at (800) 436-7800



FUSING ACCESSORY ORDERING INFORMATION⁶

Part Number	Description
FK120⁷	FK120 - Single Fusing
FK277⁷	FK277 - Single Fusing
FK347⁷	FK347 - Single Fusing
DFK208⁷	DFK - Double Fusing
DFK240⁷	DFK - Double Fusing (240V)
DFK480⁷	DFK - Double Fusing (480V)

MOUNTING ACCESSORY ORDERING INFORMATION⁶


Part Number ⁸	Description
809374CLR	XWM Wet Location Surface Conduit/Wiring Box
751632	10' Linear Bird Spike Kit (2' Recommended per Luminaire)

¹ Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.
² Only available in 6L Lumen Package. Consult factory for lead time and availability.
³ IMSBT and ALBCS control options are not available in 3L or 4L lumen packages when high voltage (HV) is specified.
⁴ IMSBTxL is field configurable via the Leviton app that can be downloaded from your smartphone's app store.

⁵ Not available in HV.
⁶ Accessories are shipped separately and field installed.
⁷ Fusing must be located in a hand hole for pole or in the junction box.
⁸ "CLR" to be replaced by paint finish selection. See Finish options for paint color selections.

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Type : _____

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PERFORMANCE

[Back to Quick Links](#)

Delivered Lumens ¹												
Lumen Package	Distribution	CRI	3000K			4000K			5000K			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
3L	2	70	3,178	138	B1-U0-G1	3,368	146	B1-U0-G1	9,853	159	B1-U0-G1	23
	3		3,224	140	B1-U0-G1	3,416	148	B1-U0-G1	3,361	145	B1-U0-G1	
	4		3,210	140	B1-U0-G2	3,364	146	B1-U0-G2	3,294	143	B1-U0-G2	
	FT		3,160	137	B1-U0-G1	3,349	145	B1-U0-G1	3,294	143	B1-U0-G1	
4L	2	70	4,230	139	B1-U0-G1	4,483	147	B1-U0-G1	4,410	145	B1-U0-G1	30
	3		4,291	141	B1-U0-G1	4,547	150	B1-U0-G1	4,473	147	B1-U0-G1	
	4		4,234	141	B1-U0-G2	4,437	148	B1-U0-G2	4,344	145	B1-U0-G2	
	FT		4,206	138	B1-U0-G1	4,458	147	B1-U0-G1	4,385	144	B1-U0-G1	
6L	2	70	6,326	134	B2-U0-G1	6,704	142	B2-U0-G2	6,595	140	B2-U0-G2	47
	3		6,417	136	B1-U0-G2	6,800	144	B2-U0-G2	6,689	142	B2-U0-G2	
	4		6,336	135	B1-U0-G3	6,640	141	B1-U0-G3	6,500	138	B1-U0-G3	
	FT		6,290	134	B2-U0-G2	6,666	142	B2-U0-G2	6,557	139	B2-U0-G2	
8L	2	70	8,166	128	B2-U0-G2	8,654	135	B2-U0-G2	8,513	133	B2-U0-G2	64
	3		8,283	129	B2-U0-G2	8,778	137	B2-U0-G2	8,635	134	B2-U0-G2	
	4		8,362	131	B1-U0-G3	8,763	137	B2-U0-G3	8,579	134	B1-U0-G3	
	FT		8,120	126	B2-U0-G2	8,605	134	B2-U0-G2	8,465	132	B2-U0-G2	
12L	2	70	11,492	149	B2-U0-G2	12,033	156	B3-U0-G2	11,927	155	B3-U0-G2	77
	3		11,757	153	B2-U0-G2	12,311	160	B2-U0-G2	12,203	158	B2-U0-G2	
	4		11,486	149	B2-U0-G3	12,058	157	B2-U0-G3	11,716	152	B2-U0-G3	
	FT		11,721	152	B2-U0-G2	12,274	159	B2-U0-G3	12,166	158	B2-U0-G3	
15L	2	70	14,221	145	B3-U0-G2	14,891	152	B3-U0-G2	14,760	151	B3-U0-G2	98
	3		14,549	148	B2-U0-G2	15,235	155	B2-U0-G2	15,101	154	B2-U0-G2	
	4		14,099	144	B2-U0-G3	14,801	151	B2-U0-G3	14,382	147	B2-U0-G3	
	FT		14,505	148	B2-U0-G3	15,189	155	B2-U0-G3	15,055	154	B2-U0-G3	
18L	2	70	16,894	138	B3-U0-G3	17,690	145	B3-U0-G3	17,534	144	B3-U0-G3	122
	3		17,285	142	B3-U0-G3	18,099	148	B3-U0-G3	17,940	147	B3-U0-G3	
	4		16,951	139	B2-U0-G3	17,795	146	B3-U0-G3	17,291	142	B3-U0-G3	
	FT		17,231	141	B3-U0-G3	18,044	148	B3-U0-G3	17,885	147	B3-U0-G3	
21L	2	70	19,961	133	B3-U0-G3	20,902	139	B3-U0-G3	20,718	138	B3-U0-G3	150
	3		20,422	136	B3-U0-G3	21,385	143	B3-U0-G3	21,197	141	B3-U0-G3	
	4		19,768	132	B3-U0-G4	20,753	138	B3-U0-G5	20,165	134	B3-U0-G4	
	FT		20,360	136	B3-U0-G3	21,320	142	B3-U0-G3	21,132	141	B3-U0-G3	

Electrical Data (Amps) - 3000K/4000K/5000K ²						
Lumen Package	120V	208V	240V	277V	347V	480V
3L	0.19	0.11	0.10	0.08	0.07	0.05
4L	0.25	0.14	0.13	0.11	0.09	0.06
6L	0.39	0.23	0.20	0.17	0.14	0.10
9L	0.53	0.31	0.27	0.23	0.18	0.13
12L	0.64	0.37	0.32	0.28	0.22	0.16
15L	0.82	0.47	0.41	0.35	0.28	0.20
18L	1.02	0.59	0.51	0.44	0.35	0.25
21L	1.25	0.72	0.63	0.54	0.43	0.31

Delivered Lumens (Phosphor Converted Amber)					
Lumen Package	Distribution	Amber			Wattage
		Delivered Lumens	Efficacy	BUG Rating	
6L	2	3,325	76	B1-U0-G1	44
	3	3,385	78	B1-U0-G1	
	4	3,310	75	B1-U0-G1	
	FT	3,343	77	B1-U0-G1	

Recommended Lumen Maintenance - XWM ³					
Ambient Temperature C°	Initial ⁴	25K hrs. ⁴	50K hrs. ⁴	75K hrs. ⁵	100K hrs. ⁵
35	99%	97%	95%	93%	91%
50	100%	98%	95%	93%	90%

1 LEDs are frequently updated therefore values are nominal

2 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

3 Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.

4 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip.

5 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip.

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Type : _____

 Have questions? Call us at (800) 436-7800

PHOTOMETRICS

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Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

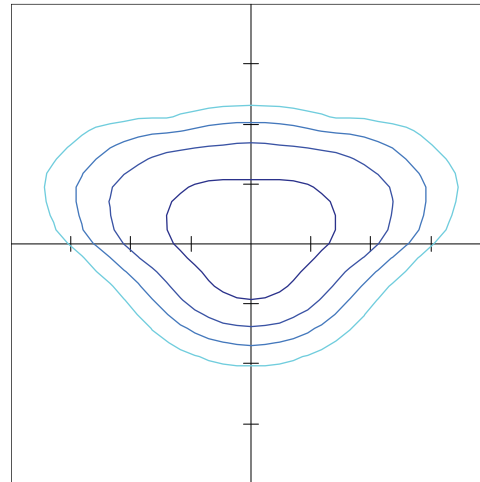
See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

XWM-2-LED-12L-40

Luminaire Data	
Type 2 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	12,033
Watts	77
Efficacy	156
IES Type	Type II - Short
BUG Rating	B3-U0-G2

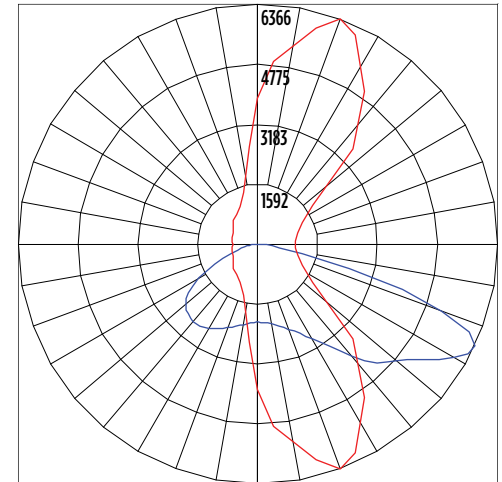
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30°)	1,961	16%
Medium (30-60°)	6,874	57%
High (60-80°)	3,014	25%
Very High (80-90°)	184	2%
Uplight (90-180°)	0	0%
Total Flux	12,033	100%

ISO Footcandle



15' Mounting Height / 15' Grid Spacing
 5 FC 2 FC 1 FC 0.5 FC

Polar Curve



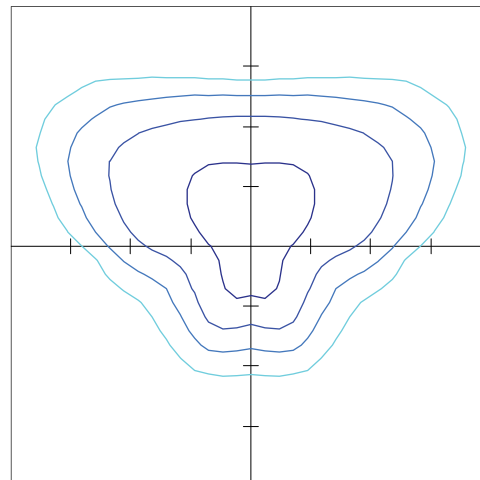
Vertical Plane Horizontal Cone

XWM-3-LED-12L-40

Luminaire Data	
Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	12,311
Watts	77
Efficacy	160
IES Type	Type III - Short
BUG Rating	B2-U0-G2

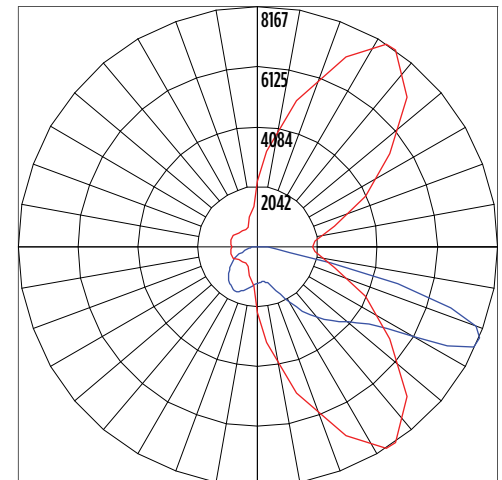
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30°)	1,340	11%
Medium (30-60°)	6,164	50%
High (60-80°)	4,549	37%
Very High (80-90°)	258	2%
Uplight (90-180°)	0	0%
Total Flux	12,311	100%

ISO Footcandle



15' Mounting Height / 15' Grid Spacing
 10 FC 5 FC 2 FC 1 FC

Polar Curve



Vertical Plane Horizontal Cone

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Type : _____

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PHOTOMETRICS

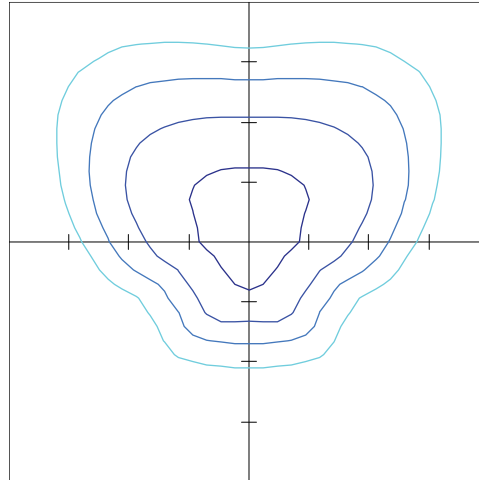
[Back to Quick Links](#)

XWM-FT-LED-12L-40

Luminaire Data	
Type FT Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	12,274
Watts	77
Efficacy	159
IES Type	Type IV - Short
BUG Rating	B2-U0-G3

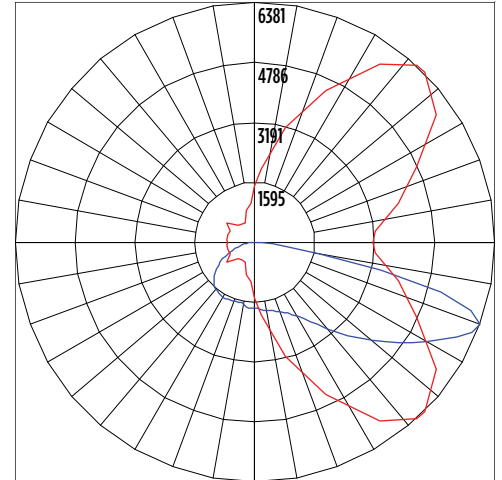
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30°)	1,578	13%
Medium (30-60°)	5,798	47%
High (60-80°)	4,576	37%
Very High (80-90°)	322	3%
Uplight (90-180°)	0	0%
Total Flux	12,274	100%

ISO Footcandle



15' Mounting Height / 15' Grid Spacing
 5 FC 2 FC 1 FC 0.5 FC

Polar Curve



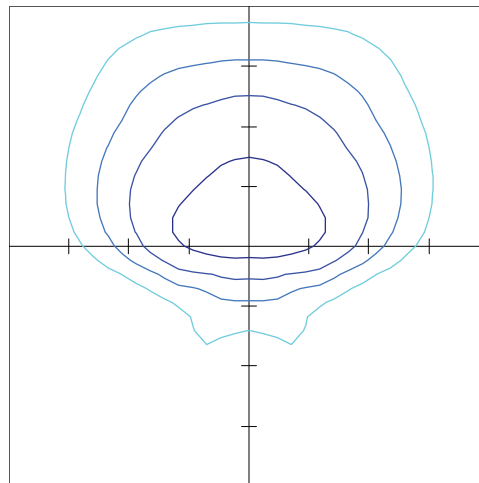
Vertical Plane Horizontal Cone

XWM-4-LED-12L-40

Luminaire Data	
Type 4 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	12,058
Watts	77
Efficacy	157
IES Type	Type IV - Very Short
BUG Rating	B2-U0-G3

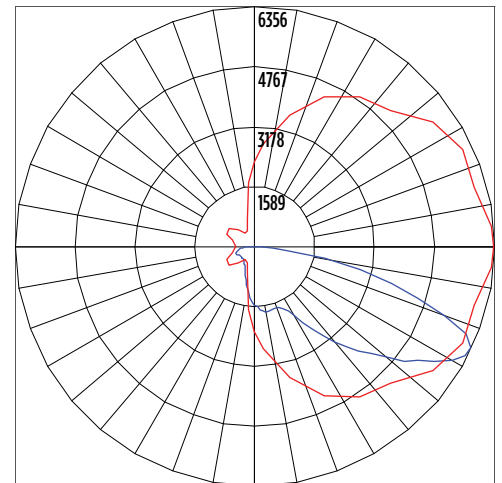
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30°)	1,345	11%
Medium (30-60°)	5,394	45%
High (60-80°)	4,855	40%
Very High (80-90°)	464	4%
Uplight (90-180°)	0	0%
Total Flux	12,058	100%

ISO Footcandle



15' Mounting Height / 15' Grid Spacing
 5 FC 2 FC 1 FC 0.5 FC

Polar Curve



Vertical Plane Horizontal Cone

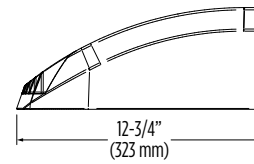
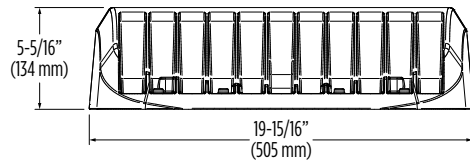
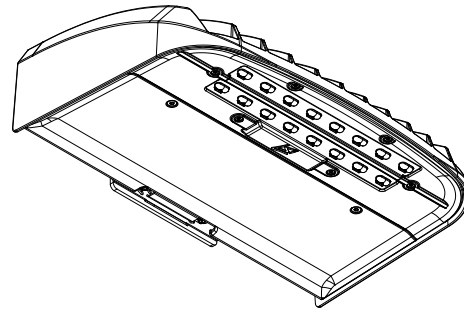
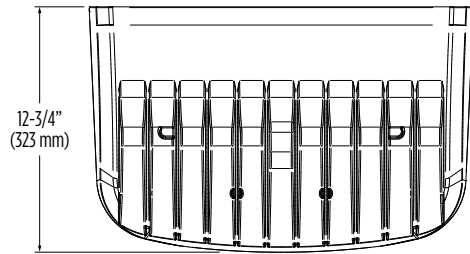
Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Type : _____

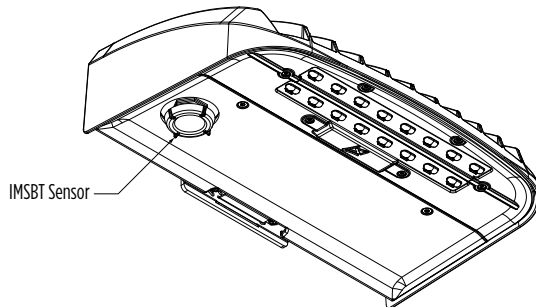
 **Have questions?** Call us at (800) 436-7800

PRODUCT DIMENSIONS

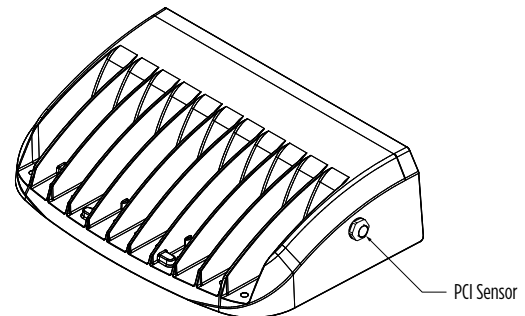
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**Mirada Medium Wall Sconce with
Integral Bluetooth™ Motion and Photocell Sensor**
(XWM IMSBTxL)

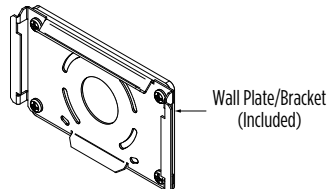
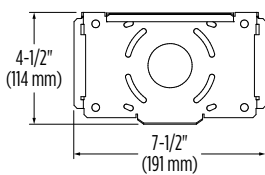


**Mirada Medium Wall Sconce with
Button Type Photocell**
(XWM PCI)

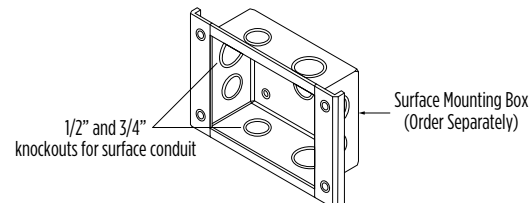


Mounting Options

Mounting Over Junction Box
(Standard/Included)



XWM Wet Location Surface Conduit/Wiring Box
(809374CLR)



Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Type : _____

 **Have questions?** Call us at (800) 436-7800

CONTROLS

[Back to Quick Links](#)

Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more details about IMSBT](#)



LEVITON App



Apple



Android

AirLink Wireless Lighting Controller (ALSC, ALSCS)

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

[Click here to learn more details about AirLink](#)

AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/ Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple

Sensor Sequence of Operations

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High

Operation	Description
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.



Catalog #: _____

Project: _____

Prepared By: _____

Date: _____

Mirada Small Area (MRS)

Outdoor LED Area Light



IP66 IK08



OVERVIEW	
Lumen Package	6,000 - 30,000
Wattage Range	39 - 209
Efficacy Range (LPW)	112 - 163
Weight lbs(kg)	20 (9.1)
Control Options	IMSBT, ALB, ALS, 7-Pin, PCI

QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 27 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 4, 5W, FT, and LC/RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.

- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 30L lumen packages rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door,

- underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Dark Sky compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- RoHS compliant
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: MRS LED 18L SIL FT UNV DIM 40 70CRI ALBSC1 BLK IH

Prefix	Light Source	Lumen Package	Lens	Distribution	Orientation ²	Voltage	Driver
MRS - Mirada Small Area Light	LED	6L - 6,000 lms, 39W 9L - 9,000 lms, 63W 12L - 12,000 lms, 86W 15L - 15,000 lms, 111W 18L - 18,000 lms, 135W 21L - 21,000 lms, 165W 24L - 24,000 lms, 196W 30L - 30,000 lms, 209W ⁶ Custom Lumen Packages ¹	SIL - Silicone	2 - Type 2 3 - Type 3 4 - Type 4 5W - Type 5 Wide FT - Forward Throw LC - Left Corner RC - Right Corner	(blank) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT	70CRI - 70 CRI	(Blank) - None Wireless Controls System ALSC - AirLink Synapse Control System ALSCS2 - AirLink Synapse Control System with 12-20' MH Motion Sensor ⁸ ALSCS4 - AirLink Synapse Control System with 20-40' MH Motion Sensor ⁸ ALBMR1LR - AirLink Blue Long Range Wireless Motion & Photo Sensor Controller (8-15' MH) ^{4,8} ALBMR2LR - AirLink Blue Long Range Wireless Motion & Photo Sensor Controller (16-40' MH) ^{4,8} Stand-Alone Controls EXT - 0-10V Dimming leads extended to housing exterior CR7P - 7 Pin Control Receptacle ANSI C136.41 ³ IMSBTL1 - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH) ^{4,8} IMSBTL2 - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH) ^{4,8}	BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	(Blank) - None IH - Integral Half Louver (Moderate Spill Light Cutoff) ² IL - Integral Louver (Sharp Spill Light Cutoff) ²


Need more information?
[Click here for our glossary](#)
Have additional questions?

Call us at (800) 436-7800



Accessory Ordering Information⁵

CONTROLS ACCESSORIES	
Description	Order Number
Twist Lock Photocell (120V) for use with CR7P	122514
Twist Lock Photocell (208-277) for use with CR7P	122515
Twist Lock Photocell (347V) for use with CR7P	122516
Twist Lock Photocell (480V) for use with CR7P	1225180
AirLink 5 Pin Twist Lock Controller	661409
AirLink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CR7P	149328

FUSING OPTIONS ⁷	
Description	Order Number
Single Fusing (120V)	See Fusing Accessory Guide
Single Fusing (277V)	
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

EXTERNAL SHIELDING OPTIONS	
3" External Shield	See Shielding Guide
6" External Shield	

- Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
- Not available on "Type 5W" distribution.
- Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
- Motion sensors are field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- Accessories are shipped separately and field installed.
- "CLR" denotes finish. See Finish options.
- Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.
- ALSC, ALB, and IMSBT not available with 30L HV.



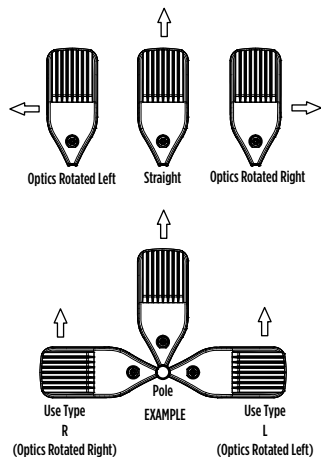
ACCESSORIES

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MOUNTING ACCESSORIES		SHIELDING, POLES & MISC. ACCESSORIES		
Side Arm	Universal Mounting Bracket Mounts to ≥ 3" square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5" to 5" Part Number: BKA UMB CLR		Shielding Integral Louver Field Install Integral Louver provides maximum backlight control by shielding each individual row of LEDs Part Number: 763445 Integral Half Louver Field Install Integral Half Louver provides great backlight control without impacting front side distribution. Part Number: 763446 External Shield External shield blocks view of light source from any side of luminaire, additional shielding configurations available Part Number: 783607BLK (3") / 776538BLK (6")	
	Quick Mount Plate True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6" Part Number: BKS PQM B3B5 XX CLR			
	15° Tilt Quick Mount Plate True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6" Part Number: BKS PQ15 B3B5 XX CLR			
Tenon / Slipfitter	Adjustable Slipfitter Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and provides 180° of tilt (max 45° above horizontal) Part Number: BKA ASF CLR		Poles Square Poles 14 - 39' steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction Part Number: 4SQ/5SQ/6SQ Round Poles 10 - 30' steel and aluminum poles in 4" and 5" sizes for retrofit and new construction Part Number: 4RP/SRP Tapered Poles 20' - 39' steel and aluminum poles for retrofit and new construction Part Number: RTP	
	Square Tenon Top Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires Part Number: BKA XNM *			
	Square Internal Slipfitter Mounts inside 4" or 5" square pole and allows for mounting up to 4 luminaires Part Number: BKA X_ISF * CLR			
Wall Mount / Wood Pole	Wall Mount Bracket Mounts onto vertical wall surface (hardware/anchors not included) Part Number: BKS XBO WM CLR		Misc. Bird Spikes 10' linear bird spike (2' recommended per luminaire) silicone adhesive (covers approximately 25' linear fee of bird spike) and application tool Spike Part Number: 751631 Adhesive Part Number: 751632 Caulk Gun Part Number: 751636	
	Wood Pole Bracket Mounts onto wooden poles (6" minimum OD, hardware/anchors not included) Part Number: BKS XBO WP CLR			Replace CLR with paint finish description Replace X with: Z' Replace XX with SQ for square pole or RD for round pole (≥3" OD) Replace * with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad) Replace _ with 4 (4" square pole) or 5 (5" square pole)

OPTICS ROTATION

Top View



ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Shield (IH)

Integral Louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.

Luminaire Shown with Integral Louver (IL)



Luminaire Shown with IMSBT Option



7 Pin Photoelectric Control


7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P



Mirada Small Area Light (MRS)

Type: _____

 Have questions? Call us at (800) 436-7800

PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS*												
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
6L	2	70	5918	149	B2-U0-G1	6136	155	B2-U0-G1	6122	155	B2-U0-G1	39
	3		6016	152	B1-U0-G2	6238	158	B1-U0-G2	6224	157	B1-U0-G2	
	4		5967	153	B1-U0-G2	6333	162	B1-U0-G3	6136	157	B1-U0-G2	
	5W		5690	144	B3-U0-G1	5899	149	B3-U0-G1	5886	1479	B3-U0-G1	
	FT		5822	147	B1-U0-G1	6037	152	B1-U0-G1	6023	152	B1-U0-G1	
	LC		6003	154	B1-U0-G2	6371	163	B1-U0-G2	6173	158	B1-U0-G2	
	RC		5964	153	B1-U0-G2	6329	162	B1-U0-G2	6132	157	B1-U0-G2	
9L	2	70	9091	145	B2-U0-G2	9484	152	B2-U0-G2	9462	151	B2-U0-G2	63
	3		9241	148	B2-U0-G2	9641	154	B2-U0-G2	9619	154	B2-U0-G2	
	4		9214	146	B2-U0-G3	9778	155	B2-U0-G3	9474	150	B2-U0-G3	
	5W		8740	140	B3-U0-G2	9118	146	B3-U0-G2	9097	144	B3-U0-G2	
	FT		8943	143	B2-U0-G2	9330	149	B2-U0-G2	9308	149	B2-U0-G2	
	LC		9269	147	B2-U0-G3	9837	156	B2-U0-G3	9531	151	B2-U0-G3	
	RC		9208	146	B2-U0-G2	9772	155	B2-U0-G3	9468	150	B2-U0-G3	
12L	2	70	12132	141	B3-U0-G2	12685	148	B3-U0-G2	12514	146	B3-U0-G2	86
	3		12333	143	B2-U0-G2	12894	150	B2-U0-G2	12721	148	B2-U0-G2	
	4		12277	143	B2-U0-G3	13029	152	B2-U0-G3	12623	147	B2-U0-G3	
	5W		11664	136	B4-U0-G2	12195	142	B4-U0-G2	12031	140	B4-U0-G2	
	FT		11935	139	B2-U0-G2	12479	145	B2-U0-G2	12311	143	B2-U0-G2	
	LC		12351	144	B2-U0-G3	13108	152	B2-U0-G3	12700	148	B2-U0-G3	
	RC		12271	143	B2-U0-G3	13022	151	B2-U0-G3	12617	147	B2-U0-G3	
15L	2	70	14220	128	B3-U0-G2	15167	137	B3-U0-G2	14488	131	B3-U0-G2	111
	3		14938	135	B2-U0-G2	15933	144	B2-U0-G2	15219	137	B2-U0-G2	
	4		14792	133	B2-U0-G4	15698	141	B2-U0-G4	15209	137	B2-U0-G4	
	5W		14304	129	B4-U0-G2	15257	137	B4-U0-G2	14574	131	B4-U0-G2	
	FT		14342	129	B2-U0-G2	15297	138	B2-U0-G2	14612	132	B2-U0-G2	
	LC		14881	134	B2-U0-G3	15793	142	B2-U0-G3	15301	138	B2-U0-G3	
	RC		14784	133	B2-U0-G3	15689	141	B2-U0-G3	15201	137	B2-U0-G3	
18L	2	70	16438	122	B3-U0-G2	17532	130	B3-U0-G3	16747	124	B3-U0-G2	135
	3		17267	128	B3-U0-G3	18417	137	B3-U0-G3	17592	131	B3-U0-G3	
	4		17101	127	B3-U-G4	18149	134	B3-U-G4	17584	130	B3-U-G4	
	5W		16535	123	B4-U0-G2	17636	133	B5-U0-G2	16846	125	B4-U0-G2	
	FT		16578	123	B3-U0-G2	17682	131	B3-U0-G2	16890	125	B3-U0-G2	
	LC		17204	127	B3-U0-G3	18258	135	B3-U0-G3	17689	131	B3-U0-G3	
	RC		17091	127	B2-U0-G3	18138	134	B2-U0-G3	17574	130	B2-U0-G3	
21L	2	70	19488	118	B3-U0-G3	20786	126	B3-U0-G3	19885	120	B3-U0-G3	165
	3		20472	124	B3-U0-G3	21835	132	B3-U0-G3	20857	126	B3-U0-G3	
	4		20279	123	B3-U0-G4	21521	130	B3-U0-G5	20851	126	B3-U0-G5	
	5W		19604	119	B5-U0-G3	20909	126	B5-U0-G3	19973	121	B5-U0-G3	
	FT		19655	119	B3-U0-G3	20964	127	B3-U0-G3	20025	121	B3-U0-G3	
	LC		20401	124	B3-U0-G4	21651	131	B3-U0-G4	20977	127	B3-U0-G4	
	RC		20268	123	B3-U0-G3	21509	130	B3-U0-G4	20840	126	B3-U0-G3	

*LEDs are frequently updated therefore values are nominal.

Mirada Small Area Light (MRS)

Type: _____

 Have questions? Call us at (800) 436-7800

PERFORMANCE

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DELIVERED LUMENS*												
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
24L	2	70	21976	112	B3-U0-G3	23439	120	B3-U0-G3	22390	114	B3-U0-G3	196
	3		23085	118	B3-U0-G3	24622	126	B3-U0-G3	23519	120	B3-U0-G3	
	4		23190	117	B3-U0-G5	24758	124	B3-U0-G5	23888	120	B3-U0-G5	
	5W		22105	113	B5-U0-G3	23578	120	B5-U0-G3	22522	115	B5-U0-G3	
	FT		22164	113	B3-U0-G3	23640	121	B3-U0-G3	22581	115	B3-U0-G3	
	LC		23330	117	B3-U0-G4	24907	125	B3-U0-G4	24032	121	B3-U0-G4	
	RC		23117	117	B3-U0-G4	24744	124	B3-U0-G4	23874	120	B3-U0-G4	
30L	2	70	30078	144	B4-U0-G3	29485	143	B4-U0-G4	30697	147	B4-U0-G3	209
	3		31711	154	B3-U0-G3	31086	151	B3-U0-G3	32364	157	B3-U0-G3	
	4		30459	148	B4-U0-G5	29858	145	B4-U0-G5	31085	151	B4-U0-G5	
	5W		30588	149	B5-U0-G3	29985	146	B5-U0-G3	31218	152	B5-U0-G3	
	FT		31585	153	B3-U0-G4	30962	150	B3-U0-G4	32235	156	B4-U0-G4	
	LC		32303	155	B3-U0-G5	31666	152	B3-U0-G5	32968	158	B3-U0-G5	
	RC		31943	153	B3-U0-G4	31313	150	B3-U0-G4	32600	156	B3-U0-G5	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)*						
Lumens	120V	208V	240V	277V	347V	480V
6L	0.34	0.20	0.17	0.15	0.12	0.09
9L	0.52	0.30	0.26	0.23	0.18	0.13
12L	0.72	0.41	0.36	0.31	0.25	0.18
15L	0.93	0.53	0.46	0.40	0.32	0.23
18L	1.12	0.65	0.56	0.49	0.39	0.28
21L	1.38	0.80	0.69	0.60	0.48	0.34
24L	1.63	0.94	0.82	0.71	0.56	0.41
30L	1.74	1.00	0.87	0.75	0.60	0.43

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE ¹					
Ambient Temp	Lumen Multiplier				
	0 hrs. ²	25K hrs. ²	50K hrs. ²	75K hrs. ³	100K hrs. ³
0 C - 25 C	100%	95%	89%	84%	79%
40 C	100%	94%	87%	80%	74%

- Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

Mirada Small Area Light (MRS)

Type: _____

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PHOTOMETRICS

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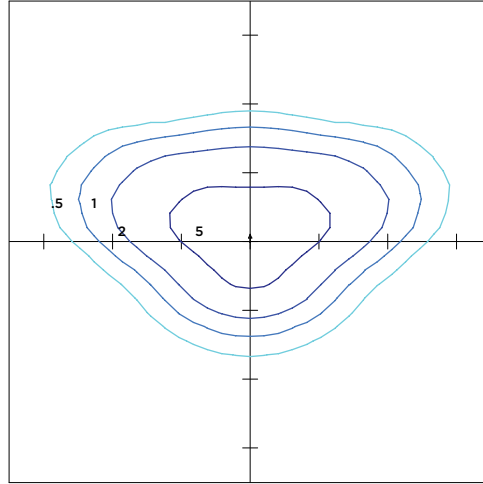
Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

MRS-LED-18L-SIL-2-40-70CRI

Luminaire Data	
Type 2 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,532
Watts	135
Efficacy	130
IES Type	Type II - Short
BUG Rating	B3-U0-G3

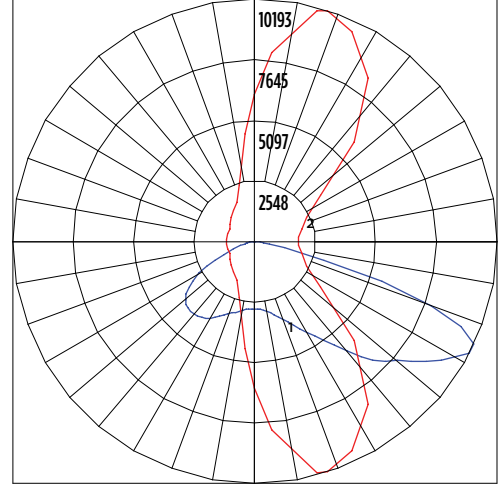
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2831	16%
Medium (30-60)°	10310	59%
High (60-80)°	4208	24%
Very High (80-90)°	184	1%
Uplight (90-180)°	0	0%
Total Flux	17532	100%

ISO Footcandle



20' Mounting Height / 20' Grid Spacing
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



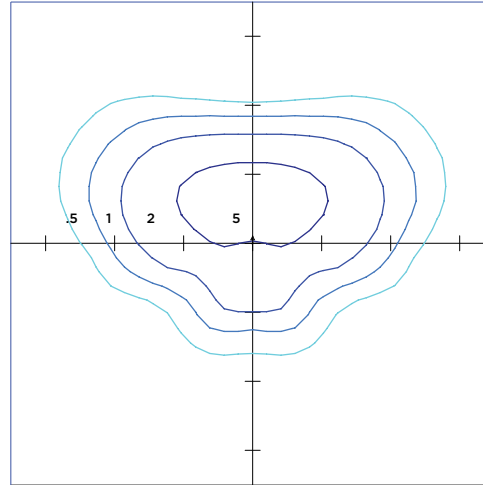
■ Vertical Plane ■ Horizontal Cone

MRS-LED-18L-SIL-3-40-70CRI

Luminaire Data	
Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	18,417
Watts	135
Efficacy	137
IES Type	Type III - Short
BUG Rating	B3-U0-G3

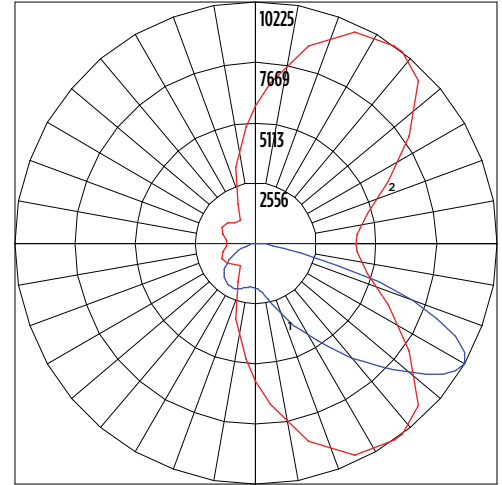
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2329	13%
Medium (30-60)°	10634	61%
High (60-80)°	5246	30%
Very High (80-90)°	208	1%
Uplight (90-180)°	0	0%
Total Flux	18417	100%

ISO Footcandle



20' Mounting Height / 20' Grid Spacing
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



■ Vertical Plane ■ Horizontal Cone

Mirada Small Area Light (MRS)

Type: _____

 Have questions? Call us at (800) 436-7800

PHOTOMETRICS (CONT)

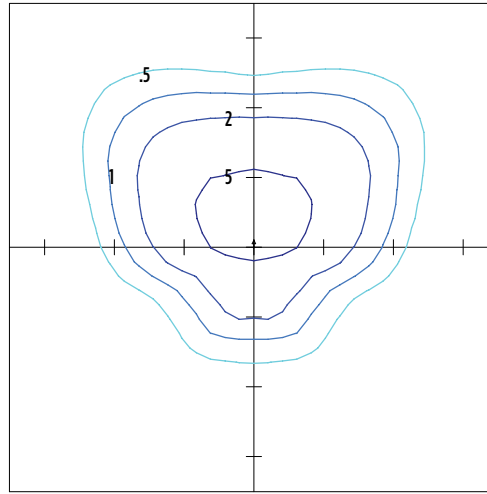
[Back to Quick Links](#)

MRS-LED-18L-SIL-FT-40-70CRI

Luminaire Data	
Type FT Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,682
Watts	135
Efficacy	131
IES Type	Type III - Short
BUG Rating	B3-U0-G2

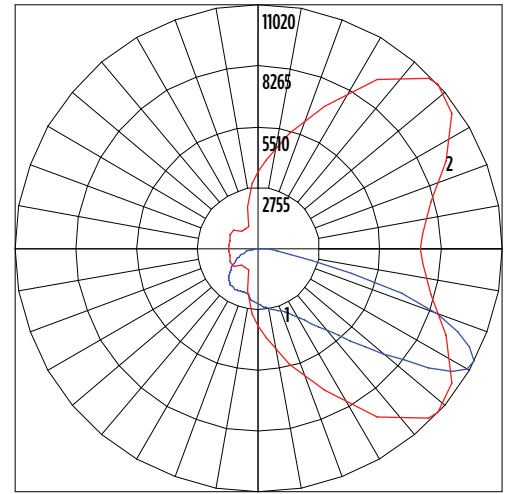
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2255	13%
Medium (30-60)°	9463	54%
High (60-80)°	5696	32%
Very High (80-90)°	268	2%
Uplight (90-180)°	0	0%
Total Flux	17682	100%

ISO Footcandle



20' Mounting Height / 20' Grid Spacing
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



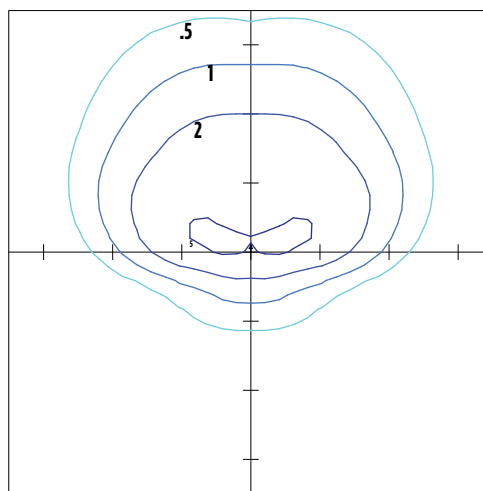
■ Vertical Plane ■ Horizontal Cone

MRS-LED-18L-SIL-4-40-70CRI

Luminaire Data	
Type 4 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	18,149
Watts	135
Efficacy	134
IES Type	Type IV - Very Short
BUG Rating	B3-U0-G4

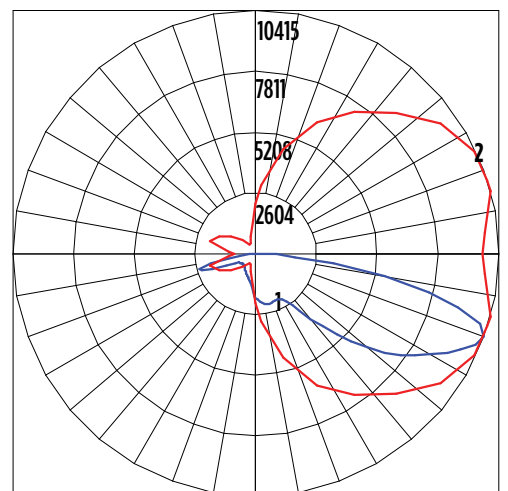
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	1671	9%
Medium (30-60)°	7615	42%
High (60-80)°	8074	44%
Very High (80-90)°	790	4%
Uplight (90-180)°	0	0%
Total Flux	18149	100%

ISO Footcandle



20' Mounting Height / 20' Grid Spacing
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



■ Vertical Plane ■ Horizontal Cone

Mirada Small Area Light (MRS)

Type: _____

 Have questions? Call us at (800) 436-7800

PHOTOMETRICS (CONT)

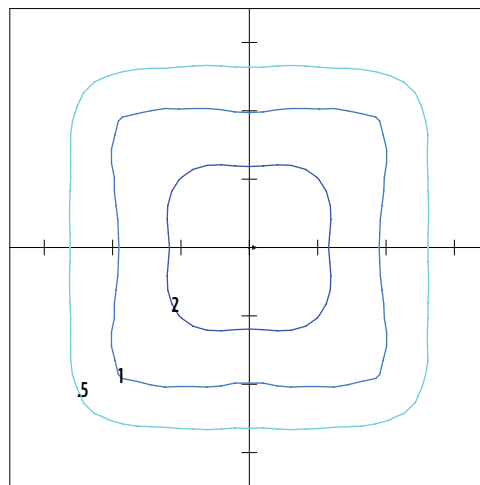
[Back to Quick Links](#)

MRM-LED-30L-SIL-5W-40-70CRI

Luminaire Data	
Type 5W Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,636
Watts	135
Efficacy	131
IES Type	Type VS - Short
BUG Rating	B4-U0-G2

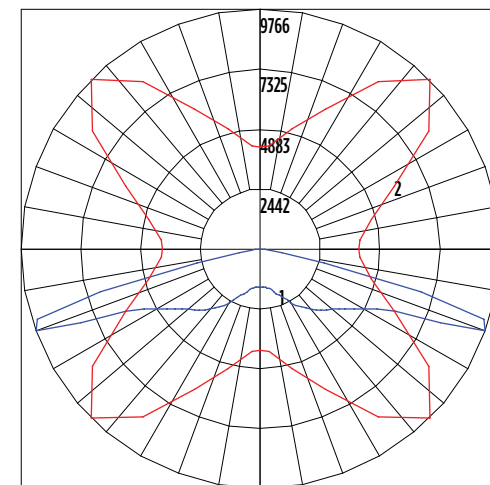
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	1646	9%
Medium (30-60)°	7453	43%
High (60-80)°	8405	48%
Very High (80-90)°	132	1%
Uplight (90-180)°	0	0%
Total Flux	17636	100%

ISO Footcandle



20' Mounting Height / 20' Grid Spacing
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



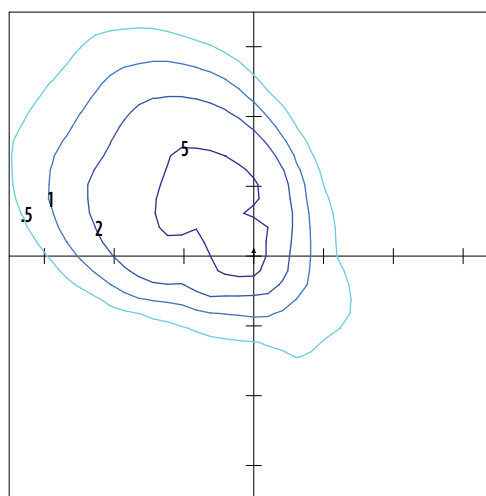
■ Vertical Plane ■ Horizontal Cone

MRS-LED-18L-SIL-LC-40-70CRI

Luminaire Data	
Left Corner Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	18,258
Watts	135
Efficacy	135
IES Type	N/A
BUG Rating	B3-U0-G3

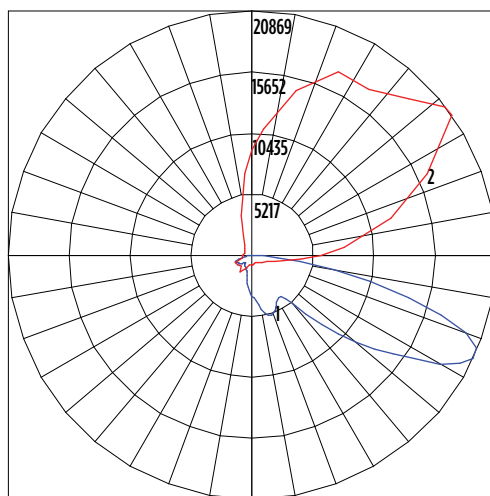
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2412	13%
Medium (30-60)°	7504	41%
High (60-80)°	7698	42%
Very High (80-90)°	644	4%
Uplight (90-180)°	0	0%
Total Flux	18258	100%

ISO Footcandle



20' Mounting Height / 20' Grid Spacing
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



■ Vertical Plane ■ Horizontal Cone

Mirada Small Area Light (MRS)

Type: _____

Have questions? Call us at (800) 436-7800

PHOTOMETRICS (CONT)

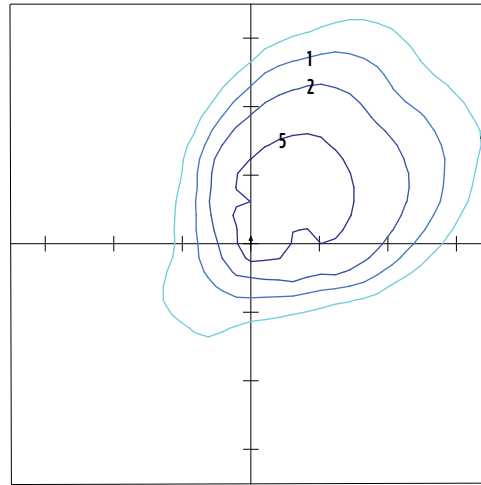
[Back to Quick Links](#)

MRM-LED-30L-SIL-5W-40-70CRI

Luminaire Data	
Right Corner Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	18,138
Watts	135
Efficacy	134
IES Type	N/A
BUG Rating	B3-U0-G3

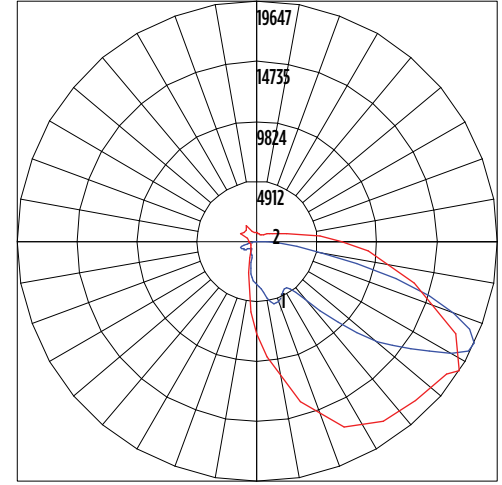
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2317	13%
Medium (30-60)°	8066	44%
High (60-80)°	7214	40%
Very High (80-90)°	541	3%
Uplight (90-180)°	0	0%
Total Flux	18138	100%

ISO Footcandle



20' Mounting Height / 20' Grid Spacing
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

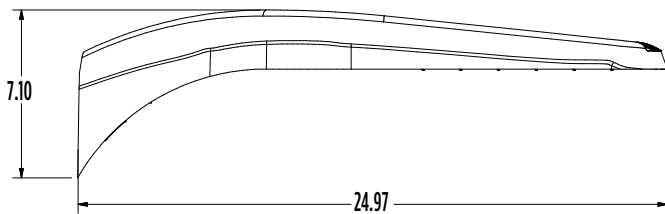
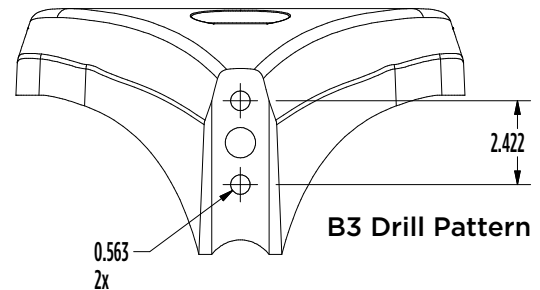
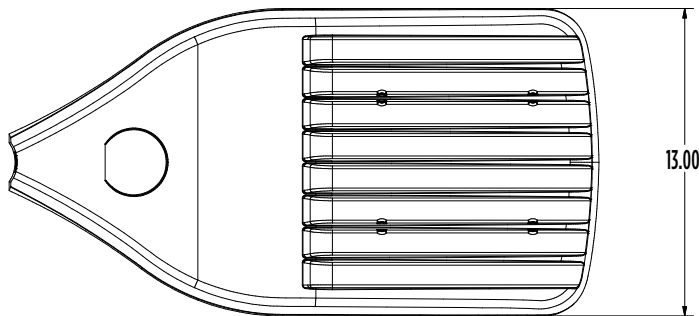
Polar Curve



■ Vertical Plane ■ Horizontal Cone

PRODUCT DIMENSIONS

[Back to Quick Links](#)



Luminaire EPA Chart					
Tilt Degree		0°	15°	30°	45°
	Single	0.4	0.7	1.1	1.5
	D180°	0.8	1.5	1.9	2.4
	D90°	0.9	1.5	1.9	2.4
	T90°	0.9	1.6	2.1	2.5
	TN120°	0.9	1.9	2.7	3.0
	Q90°	0.9	1.6	2.1	2.5

CONTROLS

[Back to Quick Links](#)

Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more details about IMSBT](#)



LEVITON App



Apple



Android

AirLink Blue (ALBMRxLR, ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/ Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple

Sensor Sequence of Operations

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High

Operation	Description
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.

PROJECT NAME: _____ CAT. #: _____
 NOTES: _____ FIXTURE SCHEDULE: _____

WallMax Full Cutoff Wall Pack



15-28W MODELS



40-100W MODELS

Product Description:

WallMax Cutoff Wall Packs are a full cutoff architectural wall mounted fixture ideal for commercial offices, schools and other public administrative buildings. It offers a wide range of outputs and options including CCT selectability so the customer can choose between 3000K, 4000K and 5000K color temperatures.

Features:

- CCT selectable between 3000K, 4000K or 5000K
- Wattage Selectable - 28W and 100W versions
- Sealed housing - control nodes are mounted internally without impacting the fixture sealing or aesthetics
- 4 x 1/2" conduit holes, one on each side for surface conduit applications

Controls Options:

- Internal photocell with on/off switch included standard
- Controls Ready for field installable c-Max controls

Construction:

- Die Cast Aluminum housing with polycarbonate LED lens

Listings:

- UL listed for Wet Locations, Outdoor
- IP65
- DLC Premium
- Not all product variations listed on this page are DLC qualified. Visit <https://www.designlights.org/search/> to confirm qualification.
- RoHS Compliant

Ordering Structure

FAMILY	WATTAGE	VOLTAGE	DISTRIBUTION	CCT	FINISH	CONTROLS OPTIONS	EM OPTIONS***
WPC= WallMax Cutoff	15= 15W 20= 20W 28= 28W 40= 40W 70= 70W 100= 100W	U= 120-277V H¹ = 277-480V	T4= Type IV	CS= 3/4/5K Selectable WCS² = 3/4/5K Selectable, Wattage Selectable	B= Dark Bronze <i>Contact Maxlite for additional finishes</i>	PCCR= CR= Controls Ready - (Standard, see accessories chart for control choices) PC= Photocell - with on/off switch (Standard) <i>Recommend using fixture PC instead of PC function in c-Max</i>	BLANK= None EO³ = Battery Backup 0°C E2³ = Battery Backup -20°C

¹ Available in 28W and above.
² Available in 28W (15/20/28) and 100W (40/70/100).
³ 120V or 277V only.
 *Not all product variations listed on this page are DLC qualified. Visit <https://www.designlights.org/search/> to confirm qualification.
 **Based on CCT Selected and color mixing, all LEDs may not be activated.
 *** During EM mode the product will operate at 5000K only

Stocked Items

MODEL NUMBER	ORDER CODE	DLC ID#
WPC15UT4-CSBPCCR	108415	P1GOLZE3
WPC20UT4-CSBPCCR	108416	P3RF8SMI
WPC28UT4-WCSBPCCR	108417	P4P6I19B

Stocked Items

MODEL NUMBER	ORDER CODE	DLC ID#
WPC40UT4-CSBPCCR	108418	P9SUC0DZ
WPC70UT4-CSBPCCR	108419	PEA2ZBIE
WPC100UT4-WCSBPCCR	108420	PBTP9KMY



10-year standard warranty with labor allowance (further details available at www.maxlite.com/warranties)

Warranty Limitations: Product must be rated for application per the Product Data Sheet (PDS); operated ≤16 hrs; in ambient temperatures -4°F to 77°F. If ambient temperatures fall outside the -4°F to 77°F range, product is warranted for 5 years according to the operating temperature range specified on the PDS. Up to \$25/unit; registration required. Additional coverage may be available for purchase; contact MaxLite. Excludes EM/MS versions; component warranty applies.



WallMax Full Cutoff Wall Pack

Accessories

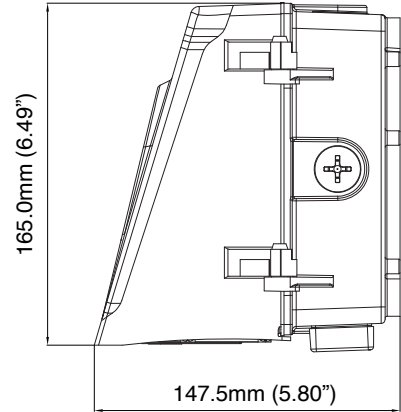
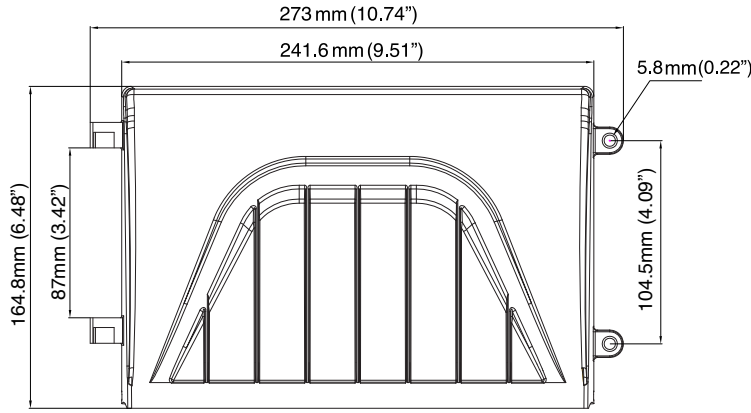
MODEL #	ORDER CODE	DESCRIPTION	IMAGE
CN-RTMST*	105564	c-MAX Rectangular motion sensor/pc, Rquired remote control to program. Use internal photocell and disable the photocell on the sensor (CN-RTMST)	
CN-REMOTE	105567	c-MAX Remote Control, at least one required per project to program motion sensor	
CEA-RDB**	107785	External bronze adapter for field installed round c-max Network control nodes	
NN-RDB**	105897	c-Max network control node round bronze (requires cea to install and c-Max app to program)	
NN-RDMPB**	108255	c-Max network control node round motion sensor/pc bronze (requires CEA to install and c-Max app to program)	
EM2-REMOTE-MT	111294	Field Installable Remote Mount - 20°C Battery Backup (For Universal (120-277V) Products Only)	

*Recommend using fixture PC instead of PC function in c-Max
 **Also available in white

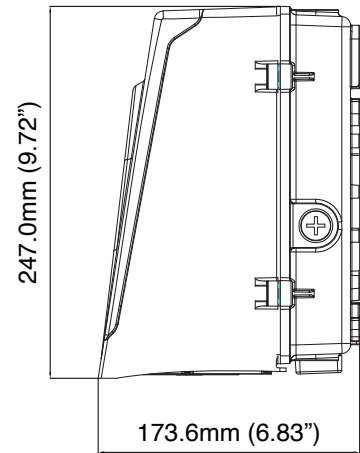
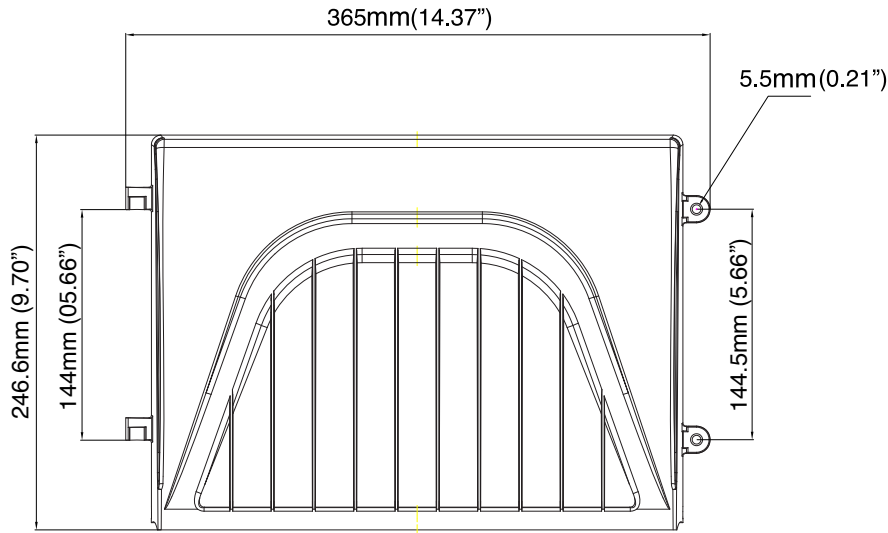
Specifications	WPC15	WPC20	WPC28	WPC40	WPC70	WPC100
	15 WATTS DETAILS	20 WATTS DETAILS	28 WATTS DETAILS	40 WATTS DETAILS	70 WATTS DETAILS	100 WATTS DETAILS
CCT	SELECTABLE BETWEEN 3000/4000/5000K					
Input Power (W)	15	20	28	40	70	100
Efficacy (lm/W)	140 - 153	140 - 150	135-146	137-145	135-144	124-135
Lumens	2,100-2,300	2,800-3,000	3,800-4,100	5,500-5,800	9,450-10,100	12,400-13,500
CRI	≥80					
L70 Lifetime (hrs)	>100,000					
Voltage	120-277V	120-277V	120-277V (277-480V available)			
Power Factor	≥0.9					
Dimming	0-10V and high-end trim (with c-Max Controls)					
Controls	Photocell with on/off switch included and compatible with field installable c-Max controls standard					
Battery Backup	120V or 277V only, 800-900 lumens, 1fc minimum in 10'x10' grid at 10-11' mounting height, 0°C 16W, -20°C 14W. During EM mode the product will operate at 5000K only.					
Operating Temperature	-22°F to 104°F (-30°C to 40°C)					
Certification	cULus, DLC Premium, FCC, T24 and RoHS Compliant					
Construction	Die Cast Aluminum housing with corrosion resistant polyester paint and UV stabilized impact resistant polycarbonate lens					
Environment	Outdoor Wet Location and IP65					
Warranty	10 Year Standard Warranty					

WallMax Full Cutoff Wall Pack

Dimensions



15-28W MODELS



40-100W MODELS

STARBUCKS COFFEE ##2245 BLUEMOUND & WOELFEL
17980 W BLUEMOUND RD
BROOKFIELD, WI 53045



24-72469

HILTONDISPLAYS

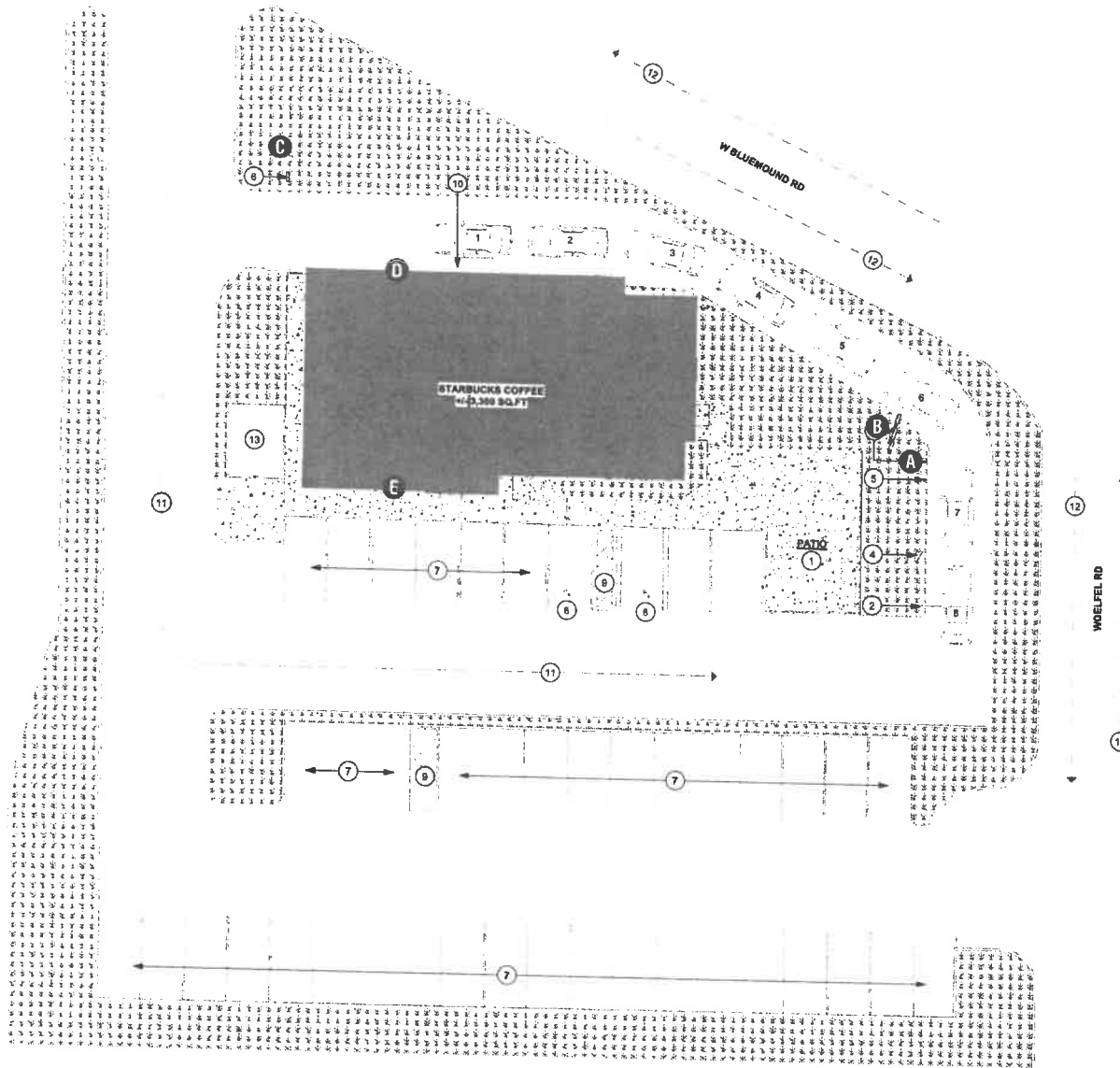
125 HILLSIDE DRIVE • GREENVILLE SC 29607

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www.hiltondisplays.com

DEMO PLAN

- A** DEMO SPEAKER POST
- B** DEMO MENU BOARD
- C** DEMO DIRECTIONAL - EXIT
- D** DEMO 14" CL FACES
- E** DEMO 18" CL FACES
- F** INSTALL DOS
- G** INSTALL CANOPY
- H** INSTALL MENU BOARD
- I** DIRECTIONAL TY/EO
- J** PARKING
- K** 14" CL FACES
- L** 18" CL FACES



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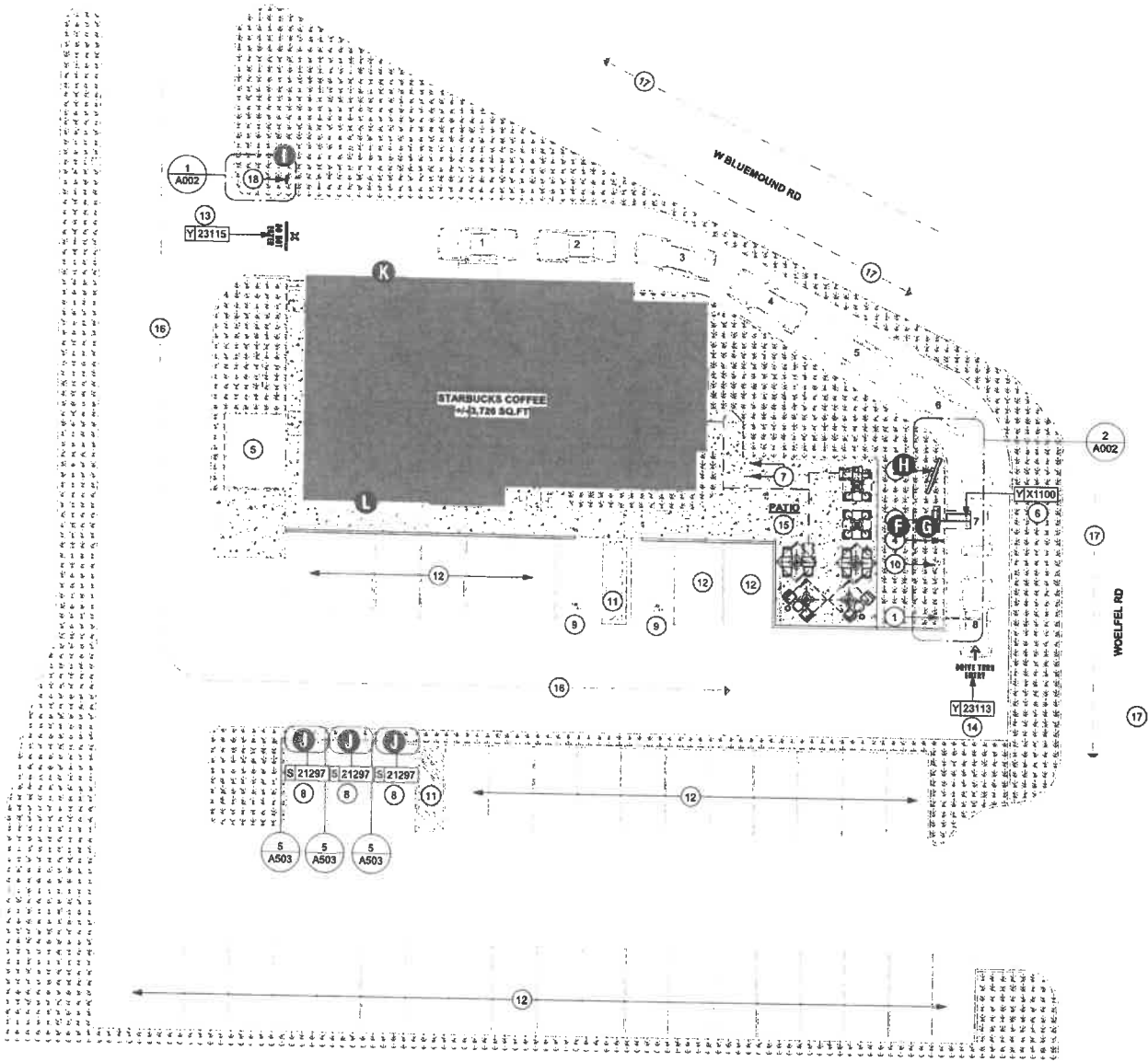
QID 24-72469
JOB NAME
Starbucks 2245
LOCATION
17980 W BLUEMOUND RD BROOKFIELD, WI 53045
CUSTOMER CONTACT
SALESMAN / PM
Jo Hall
DESIGNER
Brian Sowder
DWG. DATE
5-6-24
REV. DATE / REVISION
5-17-24
SCALE
As Noted
FILE
2024/Starbucks/Locations/ Brookfield WI/24-72469/ SB Brookfield WI 24-72469
DESIGN SPECIFICATIONS ACCEPTED BY:
EST: CLIENT:
SLS/PM: LANDLORD:

THE INTENT OF THIS DRAWING IS TO SHOW A CONCEPTUAL REPRESENTATION OF THE PROPOSED SIGNAGE. DUE TO VARIATIONS IN PRINTING DEVICES AND SUBSTRATES, THE FINISHED PRODUCT MAY DIFFER SLIGHTLY FROM DRAWING.



SITE PLAN

- A** DEMO SPEAKER POST
- B** DEMO MENU BOARD
- C** DEMO DIRECTIONAL - EXIT
- D** DEMO 14" CL FACES
- E** DEMO 18" CL FACES
- F** INSTALL DOS
- G** INSTALL CANOPY
- H** INSTALL MENU BOARD
- I** DIRECTIONAL TY/EO
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Starbucks 2245

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 BROOKFIELD, WI 53045**

CUSTOMER CONTACT

SALESMAN / PM

Jo Hall

DESIGNER

Brian Sowder

DWG. DATE

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SCALE

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F, G Menu Install

H- Menu Board art only

L- 18" channel

K- 14" channel

I- Directional

I- Directional

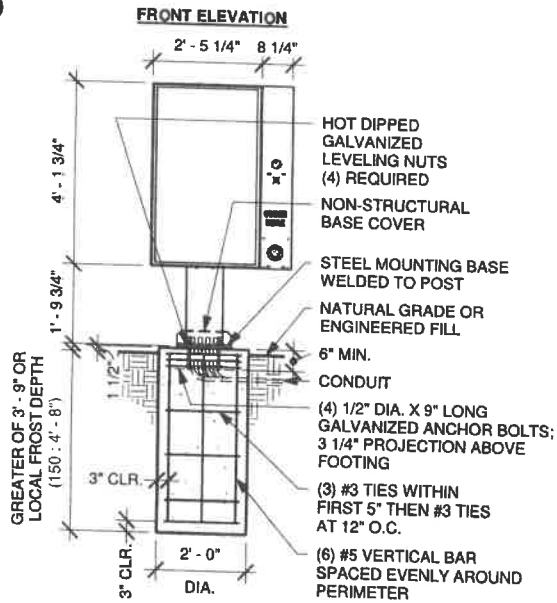
F, and G sign install measurement to the rd 30.45"
H art work install measurement to the rd 34.33"
I directional installation measurement to the rd 67.66"
K 14" channel letter installation measurement to the rd 115.17"

F BY OTHERS

DOS - INSTALL ONLY Note: - All steel shall be galvanized

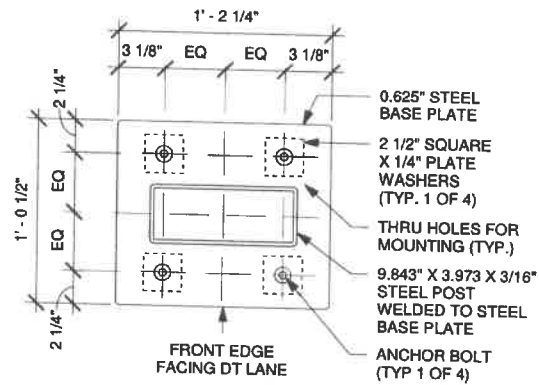
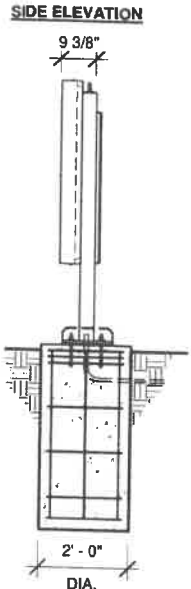
Qty. 1

F



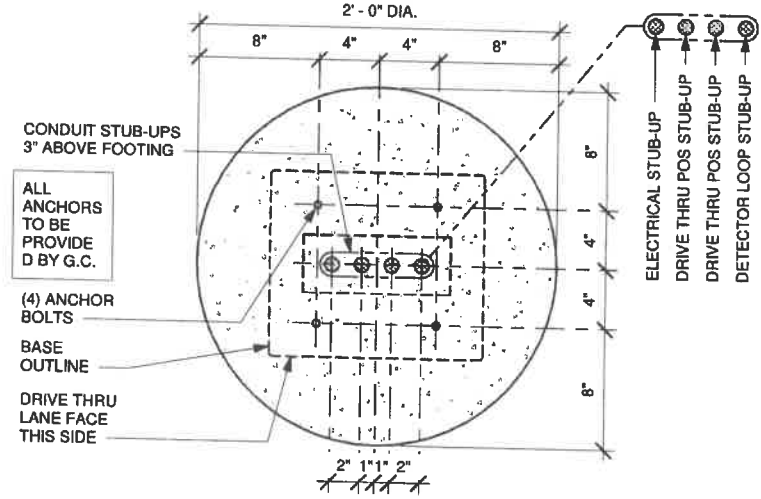
DT DIGITAL ORDER SCREEN POST GROUND FOOTING

Scale: 3/8" = 1'-0"



BASE PLATE

Scale: 1 1/2" = 1'-0"



BOLT PATTERN (TOP VIEW)

Scale: 1 1/2" = 1'-0"

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2024/Starbucks/Locations/ Brookfield WI/24-72469/ SB Brookfield WI 24-72469

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EST:	CLIENT:
SLS/PM:	LANDLORD:

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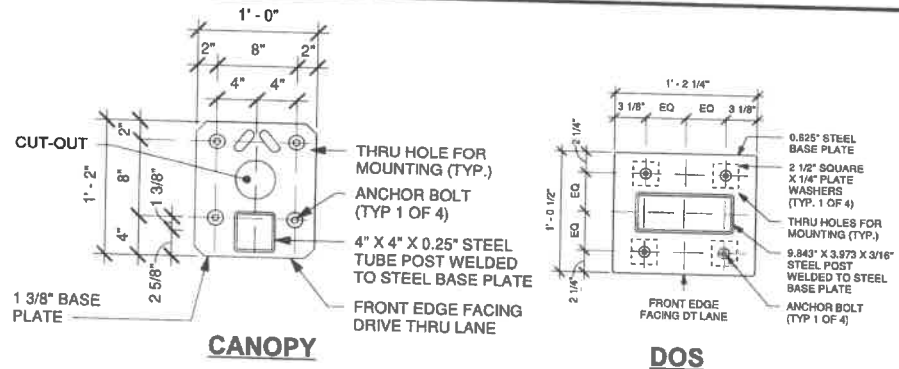
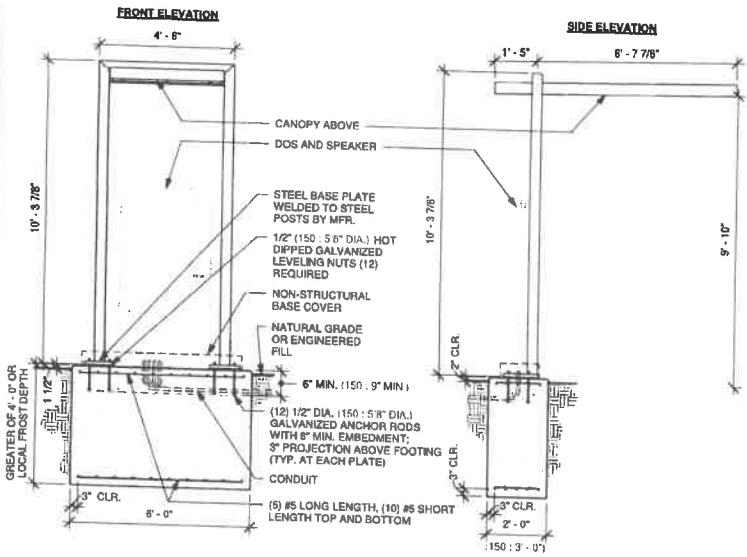


G BY OTHERS

CANOPY - INSTALL ONLY

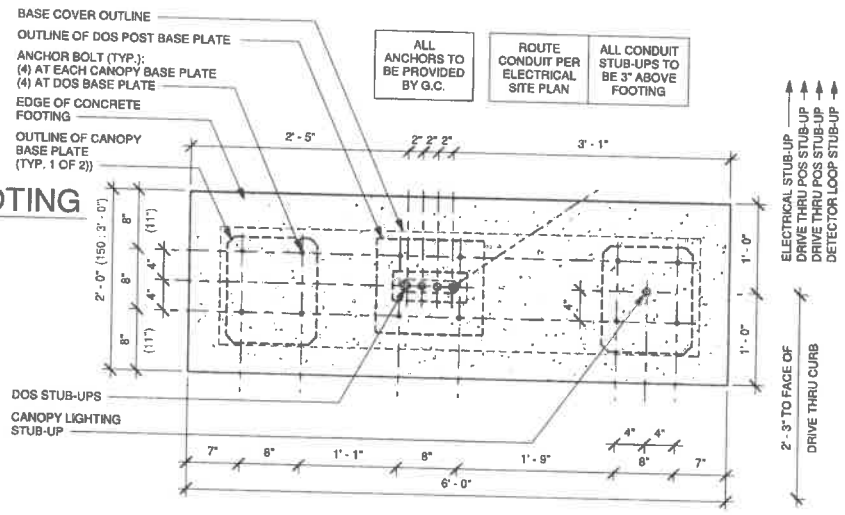
Qty. 1

G



BASE PLATE

Scale: 1" = 1'-0"



BOLT PATTERN (TOP VIEW)

scale: 3/4" = 1'

DT DIGITAL ORDER SCREEN CANOPY GROUND FOOTING

scale: 1/4" = 1'



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CUSTOMER CONTACT

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DWG. DATE

5-6-24

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SCALE

As Noted

FILE

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 Brookfield WI/24-72469/
 SB Brookfield WI 24-72469**

DESIGN SPECIFICATIONS ACCEPTED BY:

EST: CLIENT:

SLS/PM: LANDLORD:

THE INTENT OF THIS DRAWING IS TO SHOW A CONCEPTUAL REPRESENTATION OF THE PROPOSED SIGNAGE. DUE TO VARIATIONS IN PRINTING DEVICES AND SUBSTRATES, THE FINISHED PRODUCT MAY DIFFER SLIGHTLY FROM DRAWING.

UL Underwriters Laboratories Inc. **DRY** **CAW** **WET** **2K**

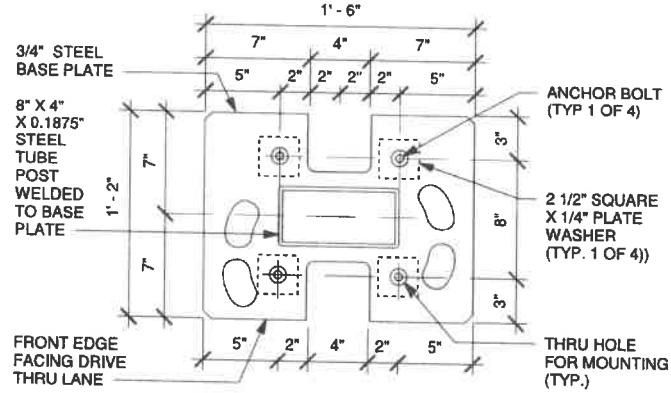
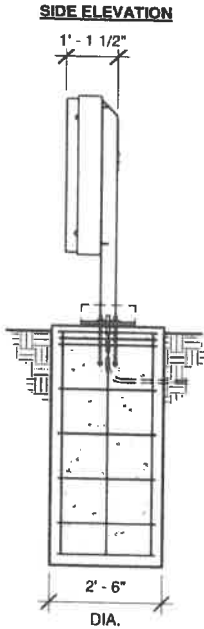
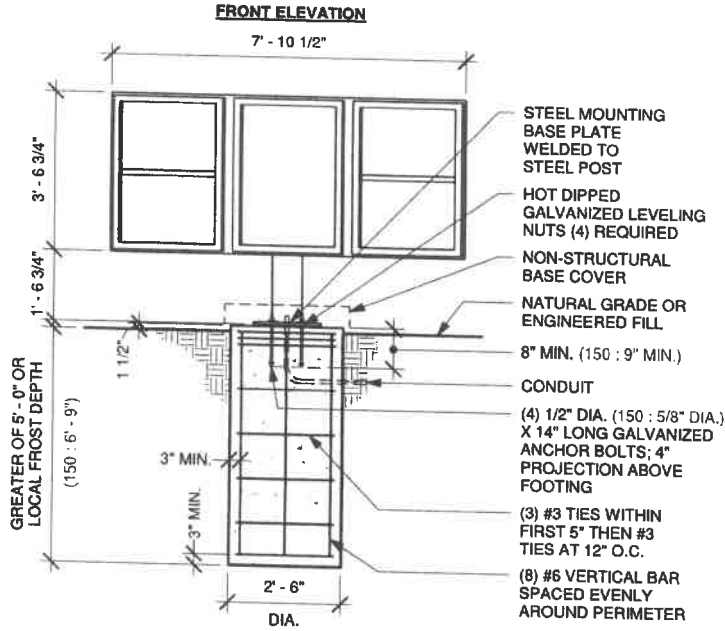
H

MENU BOARD - INSTALL ONLY

Note: - All steel shall be A36 Galvanized or A304 Stainless Steel

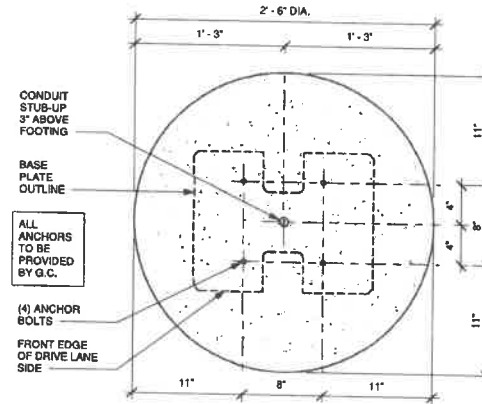
Qty. 1

①



BASE PLATE

scale: 1 1/2" = 1'



BOLT PATTERN (TOP VIEW)

scale: 1" = 1'



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www.hiltondisplays.com

QID 24-72469

JOB NAME

Starbucks 2245

LOCATION

17980 W BLUEMOUND RD
BROOKFIELD, WI 53045

CUSTOMER CONTACT

SALESMAN / PM

Jo Hall

DESIGNER

Brian Sowder

DWG. DATE

5-6-24

REV. DATE / REVISION

5-17-24

SCALE

As Noted

FILE

2024/Starbucks/Locations/
Brookfield WI/24-72469/
SB Brookfield WI 24-72469

DESIGN SPECIFICATIONS ACCEPTED BY:

EST: CLIENT:

SLS/PM: LANDLORD:

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Underwriters
Laboratories Inc.

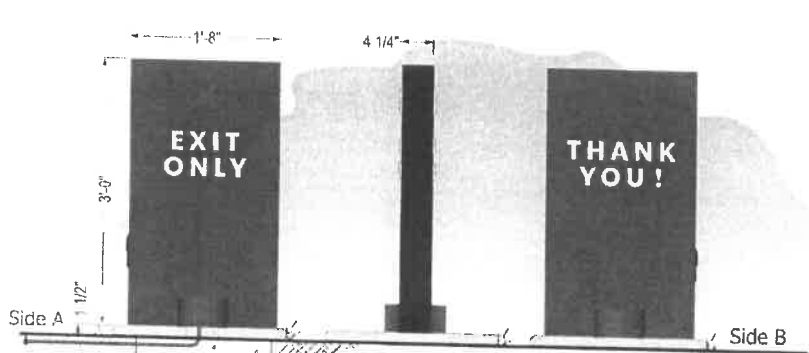
DRY
DAMP
WET



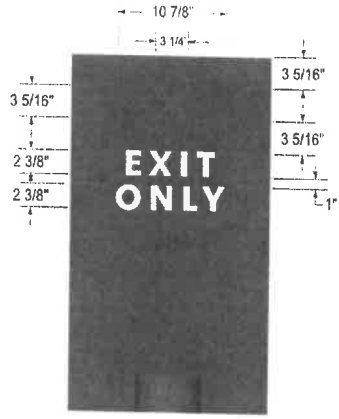
DIRECTIONAL - EXISTING FOUNDATION

SBC-S23072-DIR-IL-EF-XTY-36
Qty. 1

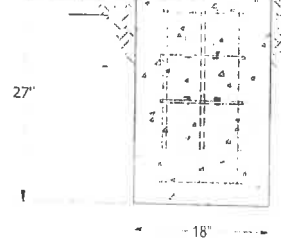
①



scale: 3/4" = 1'-0"
Sq Ft: 5.00

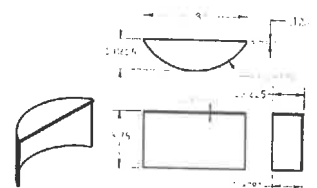


scale: 1" = 1'-0"

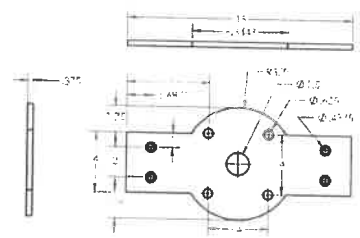


- Double or Single Faced Illuminated Directional Sign.
- Aluminum construction & aluminum skin with painted finishes.
- Aluminum face to be routed to accommodate push thru graphics.
- Aluminum escutcheon at bottom to accommodate existing bolt pattern.
- Push thru graphics to have 3M vinyl applied to first and second surface.
- Illuminated with white LED modules with all electrical UL listed and labeled.
- Directional to be bolted to existing concrete footer.

- Colors:**
- Painted Pantone #560 (satin finish)
 - Painted Pantone 419 Black (RAL 7021M) (satin finish)
 - Clear Acrylic (push thru)
 - 3M White Translucent Vinyl (first surface)
 - 3M Diffuser Film (second surface)



escutcheon made of rolled .080 aluminum and .125 aluminum top skin welded to face



aluminum box tube with top removed to create u channel

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www.hiltondisplays.com

QID 24-72469

JOB NAME

Starbucks 2245

LOCATION

**17980 W BLUEMOUND RD
BROOKFIELD, WI 53045**

CUSTOMER CONTACT

SALESMAN / PM

Jo Hall

DESIGNER

Brian Sowder

DWG. DATE

5-6-24

REV. DATE / REVISION

5-17-24

SCALE

As Noted

FILE

**2024/Starbucks/Locations/
Brookfield WI/24-72469/
SB Brookfield WI 24-72469**

DESIGN SPECIFICATIONS ACCEPTED BY:

EST: CLIENT:

SLS/PM: LANDLORD:

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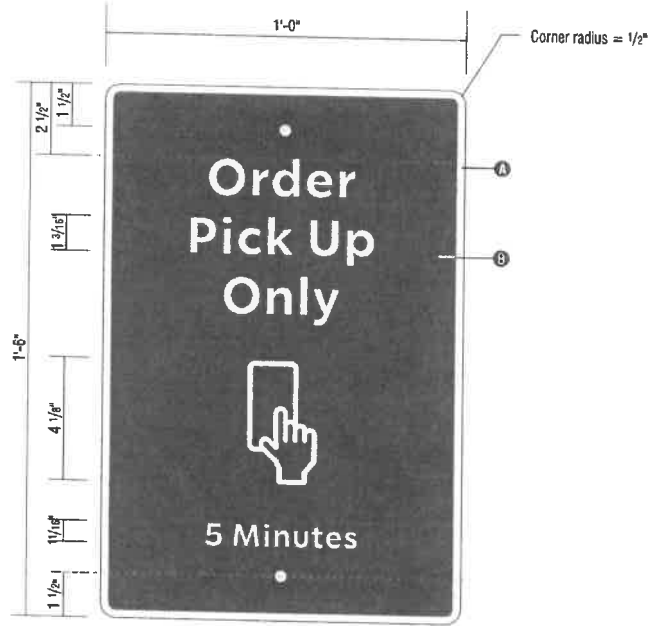
J

18" x 12" PARKING SIGN

SBC-PK-21297-FP

Qty. 3

①



① Front View
Scale: 3" = 1'-0" DID #21297 Order Pick Up Only

SPECIFICATIONS

- A. .080" ROUTED ALUMINUM WITH 1/2" RADIUS CORNERS
- B. FACE TO HAVE APPLIED DIGITALLY PRINTED VINYL GRAPHICS ON WHITE REFLECTIVE VINYL (SEE COLOR DETAIL.)



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www.hiltondisplays.com

QID 24-72469

JOB NAME

Starbucks 2245

LOCATION

17980 W BLUEMOUND RD
BROOKFIELD, WI 53045

CUSTOMER CONTACT

SALESMAN / PM

Jo Hall

DESIGNER

Brian Sowder

DWG. DATE

5-6-24

REV. DATE / REVISION

5-17-24

SCALE

As Noted

FILE

2024/Starbucks/Locations/
Brookfield WI/24-72469/
SB Brookfield WI 24-72469

DESIGN SPECIFICATIONS ACCEPTED BY:

EST: CLIENT:

SLS/PM: LANDLORD:

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K

14" CHANNEL LETTERS - FACE REPLACEMENT

SBC-PART#

Qty. 1

K

14" (14")
STARBUCKS COFFEE

1 Front View

Scale: 1/2" = 1' (11x17 Paper)

SPECIFICATIONS

- A Faces to be 3/16" White acrylic with 1" Black trimcap
 Faces to be first surface 3M Scotchcal
 #3630-126 Green vinyl with white acrylic portions to show through white.

Exposed white border

Ltr. Ht.	Border
14" (356mm)	15/32" (12mm)

IMPORTANT NOTE: NEVER
 ADD AN INLAY TO THE LETTERS
 Always use the green letter
 Wordmark with the proper
 inlay already set. To produce white
 letters, delete green inlay.

COLOR LEGEND	
PRINT PAINT	VINYL
PA65 3425 C	3M 2620-126
SATN BLACK	3M 2630-22
PA65 WHITE	3M 2630-20 / 7725-10 TRANSLUCENT ORANGE
PA65 500 C	NA
REPL WHITE	3M 500-10

HILTONDISPLAYS

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 P 800 353 9132 - F 864 242 2204
 www.hiltondisplays.com

QID 24-72469

JOB NAME

Starbucks 2245

LOCATION

17980 W BLUEMOUND RD
 BROOKFIELD, WI 53045

CUSTOMER CONTACT

SALESMAN / PM

Jo Hall

DESIGNER

Brian Sowder

DWG. DATE

5-6-24

REV. DATE / REVISION

5-17-24

SCALE

As Noted

FILE

2024/Starbucks/Locations/
 Brookfield WI/24-72469/
 SB Brookfield WI 24-72469

DESIGN SPECIFICATIONS ACCEPTED BY:

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Underwriters
 Laboratories Inc.

DRY
 CAMP
 WET
 3E

L

18" CHANNEL LETTERS - FACE REPLACEMENT

SBC-PART#

Qty. 1



18" (") **STARBUCKS COFFEE**

1 Front View

SPECIFICATIONS

Scale: 3/8" = 1' (11x17 Paper)

- A Faces to be 3/16" White acrylic with 1" Black trimcap
Faces to be first surface 3M Scotchcal
#3630-126 Green vinyl with white acrylic portions to show through white.



COLOR LEGEND	
PMS PAINT	VINYL
PMS 3425 C	3M 3630-126
SATIN BLACK	3M 3630-22
PMS WHITE	3M 3630-35 / 7725-10 TRANSLUCENT / OPALQUE
PMS 560 C	N/A
REFL. WHITE	3M 660-10

Ltr. Ht.	Border
18" (457.2mm)	3/7" (20mm)

IMPORTANT NOTE: NEVER ADD AN INLAY TO THE LETTERS
Always use the green letter Wordmark with the proper Inlay already ast.

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QID 24-72469

JOB NAME
Starbucks 2245

LOCATION
**17980 W BLUEMOUND RD
BROOKFIELD, WI 53045**

CUSTOMER CONTACT

SALESMAN / PM
Jo Hall

DESIGNER
Brian Sowder

DWG. DATE
5-6-24

REV. DATE / REVISION
5-17-24

SCALE
As Noted

FILE
**2024/Starbucks/Locations/
Brookfield WI/24-72469/
SB Brookfield WI 24-72469**

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5111 Sherman St.
Wausau, WI 54401

Office: 715-845-0500

Customer: Starbucks
Job Location: Brookfield
Job #: 19842
Proof Date: 8/29/24
Sales Rep: Tracy Leach
Designer: Suzi

Client Approval:

Substrate:

- Double Sided
- Single Sided
- Lit Sign
- Non Lit
- Opaque Vinyl
- Translucent Vinyl
- Frosted
- Painted
- Exterior
- Interior

Colors:

- TBD
- TBD
- TBD
- TBD
- TBD
- TBD

Order Screen



Sign Specifications:

-
-
-

FINAL DRAWING APPROVAL

These drawings will be released to manufacturing once signed and returned. Any detail or dimension changes will delay fabrication and incur extra charges. Once the design is approved, Finishing Touch will not be responsible for errors. Colors shown for representation only. Actual print or vinyl graphics may not match ink colors on layout.

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5111 Sherman St.
Wausau, WI 54401

Office: 715-845-0500

Order Screen



Customer: Starbucks
Job Location: Brookfield
Job #: 19842
Proof Date: 8/29/24
Sales Rep: Tracy Leach
Designer: Suzi
Client Approval:

Substrate:

- Double Sided
- Single Sided
- Lit Sign
- Non Lit
- Opaque Vinyl
- Translucent Vinyl
- Frosted
- Painted
- Exterior
- Interior

Colors:

- TBD
- TBD
- TBD
- TBD
- TBD
- TBD

Sign Specifications:

-
-
-



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5111 Sherman St.
Wausau, WI 54401

Office: 715-845-0500

Directional

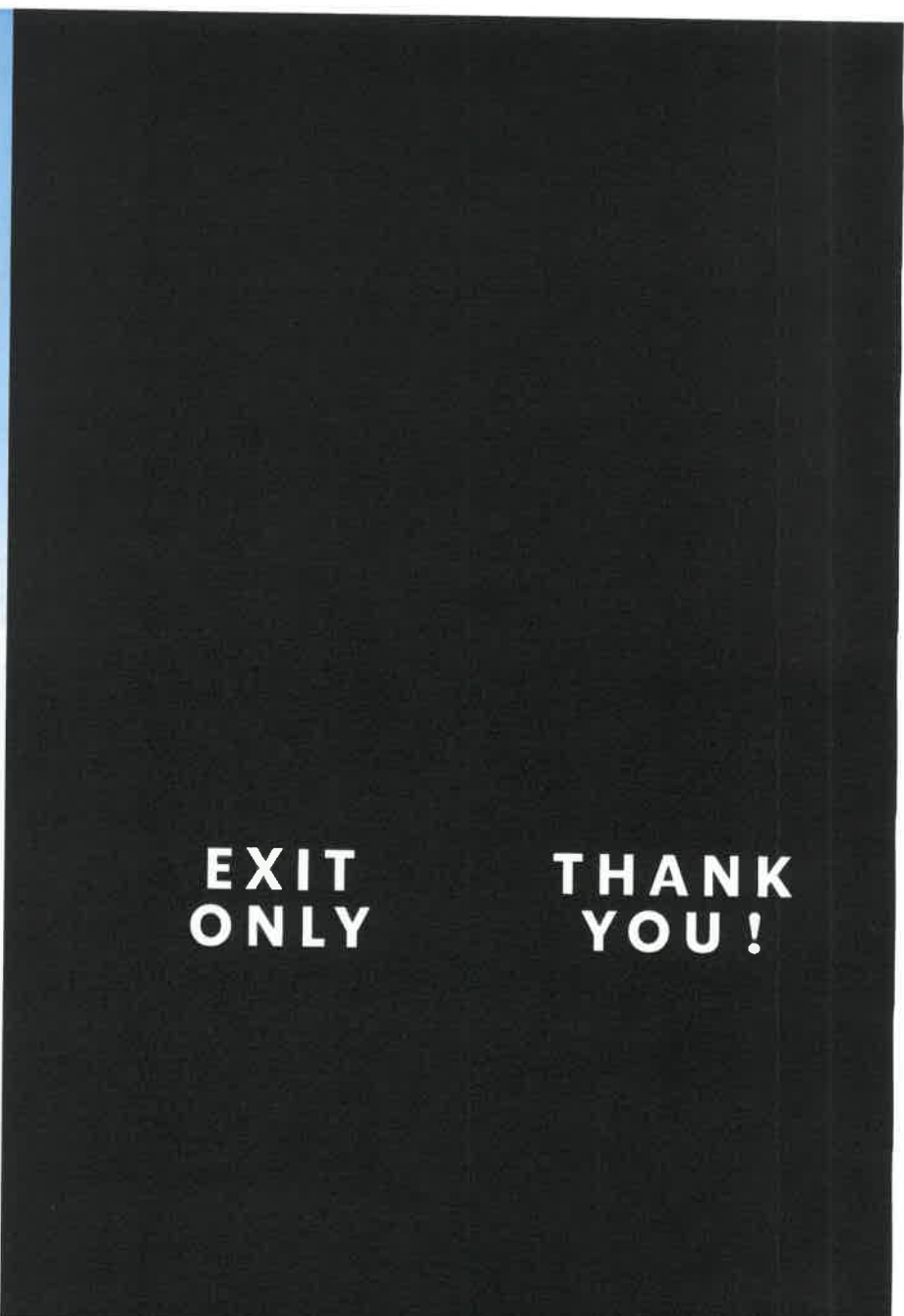
Customer: Starbucks
Job Location: Brookfield
Job #: 19842
Proof Date: 8/29/24
Sales Rep: Tracy Leach
Designer: Suzi
Client Approval:

Substrate:

- Double Sided
- Single Sided
- Lit Sign
- Non Lit
- Opaque Vinyl
- Translucent Vinyl
- Frosted
- Painted
- Exterior
- Interior

Colors:

- TBD
- TBD
- TBD
- TBD
- TBD
- TBD



Sign Specifications:

-

-

-

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5111 Sherman St.
Wausau, WI 54401

Office: 715-845-0500

14" Channel Letters

STARBUCKS COFFEE

Customer: Starbucks
Job Location: Brookfield
Job #: 19842
Proof Date: 8/29/24
Sales Rep: Tracy Leach
Designer: Suzi

Client Approval:

Substrate:

- Double Sided
- Single Sided
- Lit Sign
- Non Lit
- Opaque Vinyl
- Translucent Vinyl
- Frosted
- Painted
- Exterior
- Interior

Colors:

- TBD
- TBD
- TBD
- TBD
- TBD
- TBD

Sign Specifications:

-
-
-

STARBUCKS COFFEE

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5111 Sherman St.
Wausau, WI 54401

Office: 715-845-0500

18" Channel Letters

STARBUCKS COFFEE

Customer: Starbucks
Job Location: Brookfield
Job #: 19842
Proof Date: 8/29/24
Sales Rep: Tracy Leach
Designer: Suzi

Client Approval:

Substrate:

- Double Sided
- Single Sided
- Lit Sign
- Non Lit
- Opaque Vinyl
- Translucent Vinyl
- Frosted
- Painted
- Exterior
- Interior

Colors:

- TBD
- TBD
- TBD
- TBD
- TBD
- TBD

Sign Specifications:

-
-
-

STARBUCKS COFFEE

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Legend

- Municipal Boundary_2K
- Parcel_Dimension_2K
- Note_Text_2K
- Lots_2K
 - Lot
 - Unit
 - General Common Element
 - Outlot
- SimultaneousConveyance
 - Assessor Plat
 - CSM
 - Condominium
 - Subdivision
- Cartoline_2K
 - EA-Easement_Line
 - PL-DA
 - PL-Extended_Tie_line
 - PL-Meander_Line
 - PL-Note
 - PL-Tie
 - PL-Tie_Line
 - <all other values>
- Railroad_2K

0 176.85 Feet

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Notes:

Printed: 8/7/2024



1821

8/12/24, 2:00 PM

Google Maps

Google Maps

PROPOSED SIGNS



PROPOSED SIGN REGULATIONS

Imagery ©2024 Airbus, Map data ©2024 20 ft



2500 South 170th
New Berlin, Wisconsin
Proudly Made in the USA!

Web: www.bauersignusa.com
Phone: 262-784-0500
Fax: 262-784-6675

File	Bullwinkles
Location	Brookfield
Client	
Sales rep	Paul Butler
Date	cb 04/03/24
Revision	cb 05/24/24, cb 07/23/24, cb 08/05/24



ART IS PRODUCTION READY, RE-CREATED BY BAUER SIGN GRAPHIC ARTIST

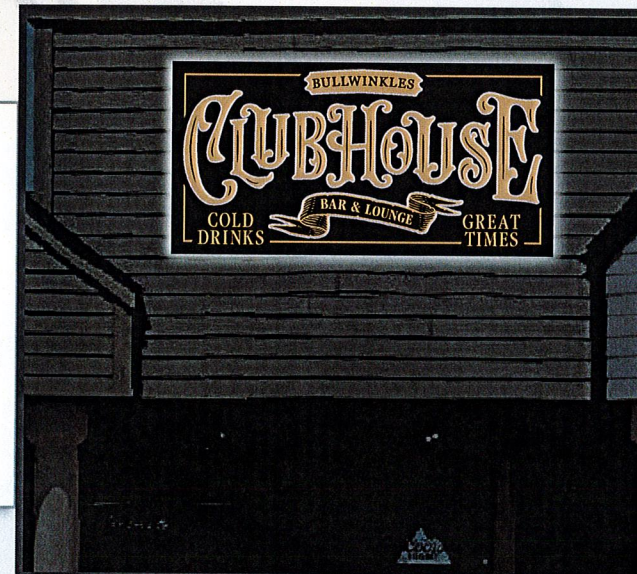


EXISTING

DUAL ILLUMINATED CAB WITH INTERNALLY ILLUMINATED CHANNEL LETTERS



PROPOSED



PROPOSED - NIGHT

SPECIFICATIONS

FABRICATE AND INSTALL A S/F, DUAL ILLUMINATED CABINET WITH INTERNALLY ILLUMINATED CHANNEL LETTERS

- CABINET TO BE ALUMINUM WITH A ROUTED FACE WITH 3" RETURNS, PAINTED BLACK
- BACK TO BE WHITE LEXAN
- LETTERING, BORDER AND RIBBON MODULES TO BE CHANNEL LETTERS W/ WHITE ACRYLIC FACES W/ BLACK AND GOLD METALLIC 3630-131 (CB CHOICE) OR CLIENT CHOICE VINYL OVERLAYS
- DUAL ILLUMINATED WITH WHITE LEDS
- POWERED WITH APPROPRIATE LOAD POWER SUPPLIES
- STAND OFF MOUNTED TO FASCIA

Printed artwork colors are not always representative of final product colors. Please refer to specifications for call out or salesman for samples.

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FINAL ELECTRICAL CONNECTION IS CLIENT'S RESPONSIBILITY

our products are certified by: Underwriters Laboratories, Inc.

This sign shall be manufactured in accordance with the Article 600 of the National Electrical Code and/or the applicable local codes. This includes proper grounding and bonding of the sign. Sign shall bear correct UL Labels.

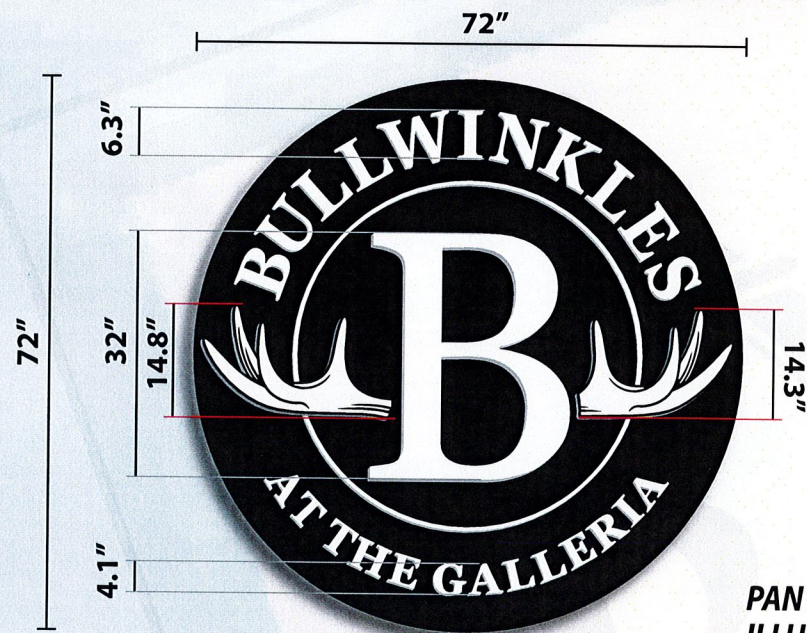
Scale: 1/2" - 1'



2500 South 170th
New Berlin, Wisconsin
Proudly Made in the USA!

Web: www.bauersignusa.com
Phone: 262-784-0500
Fax: 262-784-6675

File	Bullwinkles
Location	Brookfield - Bluemound
Client	
Sales rep	Paul Butler
Date	cb 12/19/23
Revision	cb 07/22/24

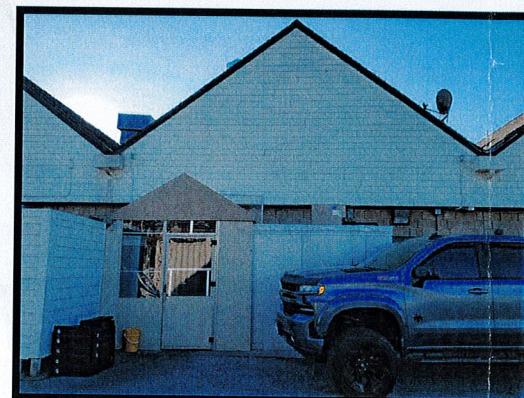


PAN SIGN WITH INTERNALLY ILLUMINATED CHANNEL LETTERS

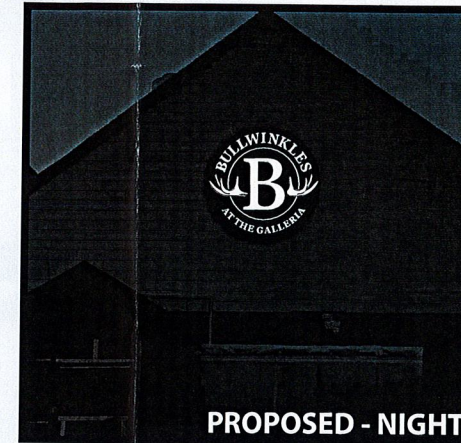
SPECIFICATIONS

FABRICATE AND INSTALL TWO CIRCULAR BLACK PAN SIGNS WITH INTERNALLY ILLUMINATED CHANNEL LETTERS.

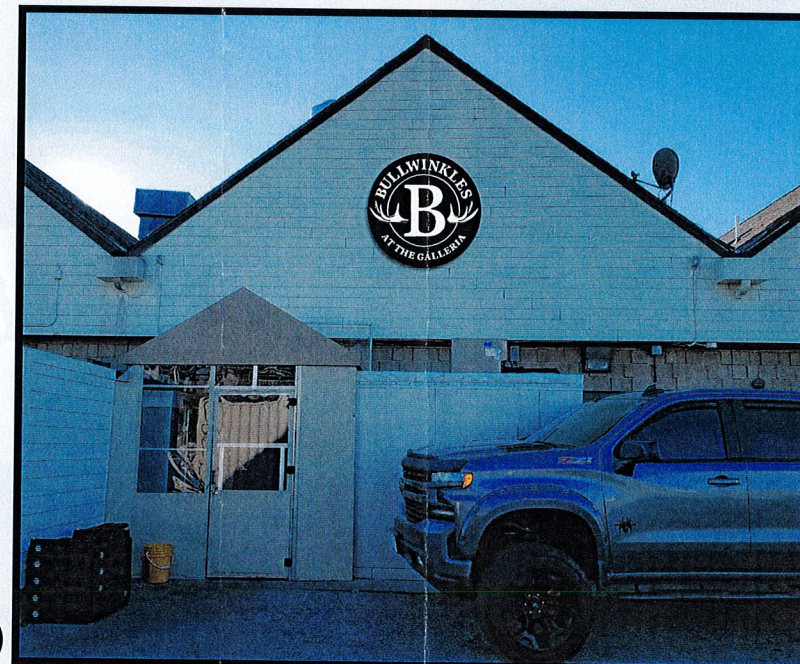
- CABINET FACE TO BE ALUMINUM PAINTED BLACK
- LOGO "B" TO BE FLUSH MOUNTED CHANNEL LETTER; #7328 ACRYLIC FACE, 1" WHITE TRIMCAP AND .040 ALUM RETURNS (WHITE)
- ANTLERS TO BE CHANNEL LETTERS MOUNTED WITH SPACERS; #7328 ACRYLIC FACES DECORATED WITH BLACK VINYL, 1" BLACK TRIMCAP AND .040 ALUM RETURNS (BLACK)
- "BULLWINKLES, WHITE CIRCLE & "AT THE GALLERIA" TO BE FLUSH MOUNTED CHANNEL LETTERS; #7328 ACRYLIC FACE, 1" WHITE TRIMCAP AND .040 ALUM RETURNS (WHITE)
- ILLUMINATED WITH WHITE LEDs
- POWERED WITH APPROPRIATE LOAD POWER SUPPLIES
- MOUNTED DIRECT TO FASCIA



EXISTING EAST ELEVATION



PROPOSED - NIGHT



EAST ELEVATION (SIGN 2)

PROPOSED

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our products are certified by: Underwriters Laboratories, Inc.

This sign shall be manufactured in accordance with the Article 608 of the National Electrical Code and/or the applicable local codes. This includes proper grounding and bonding of the sign. Signs shall bear correct UL Labels.

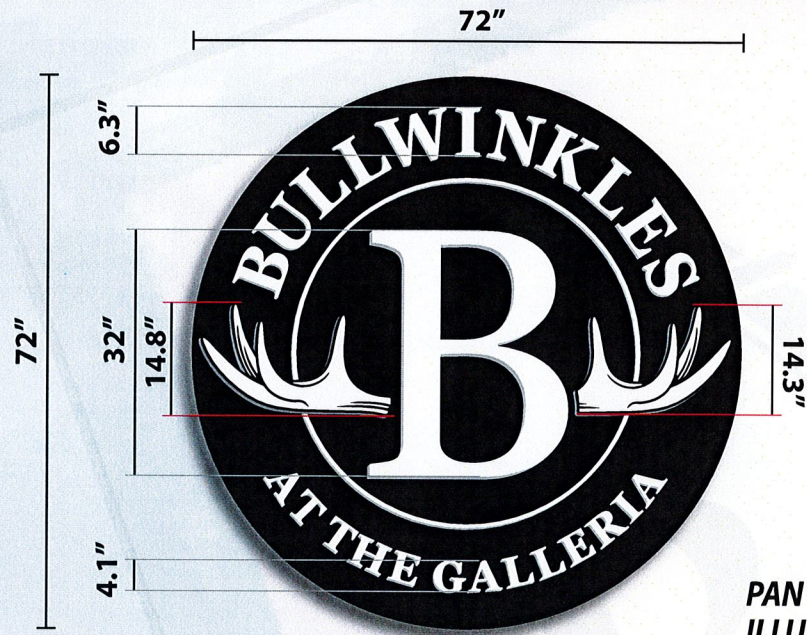
Scale: 1/2" - 1'



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New Berlin, Wisconsin
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Web: www.bauersignusa.com
Phone: 262-784-0500
Fax: 262-784-6675

File	Bullwinkles
Location	Brookfield - Bluemound
Client	
Sales rep	Paul Butler
Date	cb 12/19/23
Revision	cb 07/22/24

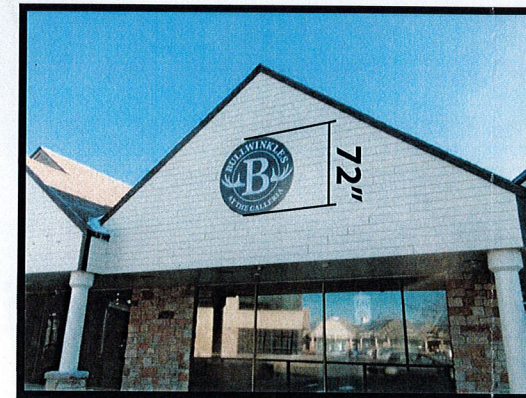


28.27
PAN SIGN WITH INTERNALLY ILLUMINATED CHANNEL LETTERS

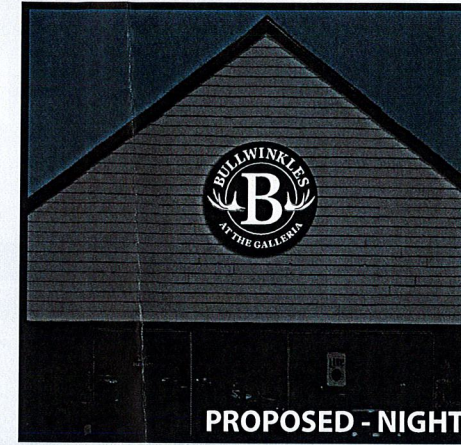
SPECIFICATIONS

FABRICATE AND INSTALL TWO CIRCULAR BLACK PAN SIGNS WITH INTERNALLY ILLUMINATED CHANNEL LETTERS.

- CABINET FACE TO BE ALUMINUM PAINTED BLACK
- LOGO "B" TO BE FLUSH MOUNTED CHANNEL LETTER; #7328 ACRYLIC FACE, 1" WHITE TRIMCAP AND .040 ALUM RETURNS (WHITE)
- ANTLERS TO BE CHANNEL LETTERS MOUNTED WITH SPACERS; #7328 ACRYLIC FACES DECORATED WITH BLACK VINYL, 1" BLACK TRIMCAP AND .040 ALUM RETURNS (BLACK)
- "BULLWINKLES, WHITE CIRCLE & "AT THE GALLERIA" TO BE FLUSH MOUNTED CHANNEL LETTERS; #7328 ACRYLIC FACE, 1" WHITE TRIMCAP AND .040 ALUM RETURNS (WHITE)
- ILLUMINATED WITH WHITE LEDs
- POWERED WITH APPROPRIATE LOAD POWER SUPPLIES
- MOUNTED DIRECT TO FASCIA



EXISTING BANNER/WEST ELEVATION



PROPOSED - NIGHT



WEST ELEVATION (SIGN 1)

PROPOSED

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our products are certified by: Underwriters Laboratories, Inc.

This sign shall be manufactured in accordance with the Article 600 of the National Electrical Code and/or the applicable local codes. This includes proper grounding and bonding of the sign. Sign shall bear correct UL Labels.

Scale: 1/2" - 1'