



AGENDA
PLANNING AND ZONING COMMISSION MEETING
CITY OF CREVE COEUR, MISSOURI
MONDAY, OCTOBER 5, 2020

6:30 PM

As a precautionary measure to help prevent exposure and spread of COVID-19, the Planning and Zoning Commission scheduled for Monday October 5, 2020, at 6:30 p.m. will be livestreamed online.

The Council Chambers will be closed to the public; however, citizens are encouraged to participate and submit public comments in the following ways:

1. **Video Livestream** — Watch a live video broadcast of the Planning and Zoning Commission meeting here: <https://us02web.zoom.us/j/84105900018>. The public will be required to provide a name and email address to enter the meeting. The email address will not be saved or used to contact you. Citizens will have the opportunity to make public comments live during the meeting using the video livestream program ([How to Participate in Online Public Meetings](#)).
2. **Teleconference** — Call in to the meeting by dialing 1-301-715-8592 /// Webinar ID: webinar ID: 841 0590 0018.
3. **Email** — Public comment may also be emailed to the City no later than 5:00 p.m. on Monday, October 5, 2020. Submit public comments to Whitney Kelly, City Planner, at wkelly@crevecoeurmo.gov.
4. **Live Audio** — Listen to a live audio broadcast of the Planning and Zoning Commission meeting by visiting the [Agendas & Minutes](#) page and clicking on the "Audio" link at the start of the meeting (audio only).

For agenda items that require a public hearing, the City's court reporter will swear in all persons who wish to speak on the application, however, the Planning and Zoning Commission may vote to suspend this rule for agenda items where significant public participation is expected in recognition of the logistical constraints of audio/ video conferencing. When the Chair believes it is in the best interest of the Commission to suspend this requirement, he/she shall call for a vote of the Commission to affirm the suspension prior to opening the public hearing. If the requirement is suspended, speakers in the hearing will nonetheless be expected to be truthful.

Members of the public will have three (3) minutes to provide comments. The Commission will utilize a timer that is visible to the public to monitor the time, subject to limits of technology. The Chair reserves the right to end the public comment for that individual if the time allowance is not being respected. The Chair will also have the discretion to end public comment for an individual for disruption of the hearing. Citizens are encouraged to select one or two members of a group to address the Commission as a spokesperson. Time limits for spokespersons may be extended at the discretion of the Chair.

Reports, documents, plans, and related materials are available for examination at the Creve Coeur Government Center, 300 North New Ballas Road, prior to the meeting.

Special disabled service may be arranged by contacting the Office of the City Administrator in advance.

CALL TO ORDER

ROLL CALL

Ms. Beth Kistner (Chair)
Mr. Tim Carney
Ms. Muriel Hall
Mr. James Myers
Mr. Gene Rovak
Mr. Larry Potashnick
Mr. Todd Streiler
Mr. Carl Lumley, City Attorney
Mr. Jason Jaggi, Director of Community Development
Ms. Whitney Kelly, City Planner
Ms. Jessica Stutte, Planning Assistant/Recording Secretary

ACCEPTANCE OF THE AGENDA

APPROVAL OF MINUTES

1. September 21, 2020 Planning and Zoning Commission Draft Meeting Minutes

PUBLIC COMMENT

An opportunity for members of the public to address the Planning and Zoning Commission regarding issues or concerns not already on the agenda for this meeting. Those wishing to speak will be asked to limit comments to three minutes and to complete a speaker card.

UNFINISHED BUSINESS

(None)

NEW BUSINESS

1. Application #20-029: New LED Parking Lot Lighting for Temple Emanuel at 12166 Conway Road

Matt Ward, of Schaeffer Electric Co., has submitted a Minor Site Development Plan application for new LED lighting throughout the parking lot for Temple Emanuel, at 12166 Conway Road. Section 405.680 Lighting states that the Planning and Zoning Commission shall review proposed lighting for non-residential building construction or for the replacement or addition of light standards on an existing non-residential development in accordance with Section 405.1080. Section 405.1080 requires minor site plan approval by the Planning and Zoning Commission for any proposed alteration that would significantly affect the exterior of a building or site. City Council action is not required.

WORK AGENDA

1. Creve Coeur Ethics Policy Discussion

DEPARTMENT REPORTS

Director of Community Development

1. Staff will discuss upcoming zoning code text amendments, including the East Olive Corridor.

ADJOURNMENT

Pursuant to Section 610.022 RSMo, the Planning and Zoning Commission could, at any time during the meeting, vote to close the public meeting and move to closed session to discuss matters relating to litigation, legal actions and/or communications from the City Attorney as provided under Section 610.021(1) RSMo. and/or personnel matters under Section 610.021(13) RSMo. and/or employee matters under Section 610.021(3) RSMo. and/or real estate matters under Section 610.021(2) or other matters as permitted by Chapter 610.

Posted: _____
Jason W. Jaggi
Director of Community Development



DRAFT MINUTES
PLANNING AND ZONING COMMISSION MEETING
CITY OF CREVE COEUR, MISSOURI
MONDAY, SEPTEMBER 21, 2020
6:30 PM

CALL TO ORDER

Ms. Kister, chair, called the meeting to order at 6:30pm.

ROLL CALL

Beth Kistner	Commission Chair	(Remote)
Gene Rovak	Commission Member	(Remote)
Tim Carney	Commission Member	(Remote)
Muriel Hall	Commission Member	(Remote)
Larry Potashnick	Commission Member	(Remote)
James Myers	Commission Member	(Remote)
Todd Streiler	Commission Member	(Remote-joined during discussion of item 3)

The following staff were also present: Carl Lumley, City Attorney; Jason Jaggi, Director of Community Development; Whitney Kelly, City Planner; Jessica Stutte, Planning Assistant/ Recording Secretary; and, Chris Tumbarello, IT Coordinator.

ACCEPTANCE OF THE AGENDA

Mr. Rovak made a motion to accept the agenda. Mr. Carney seconded. All in favor.

APPROVAL OF MINUTES

1. August 17, 2020 Planning and Zoning Commission Draft Meeting Minutes

Mr. Potashnick made a motion to accept the minutes. Mr. Rovak seconded. All in favor.

PUBLIC COMMENT

None

UNFINISHED BUSINESS

None

NEW BUSINESS**1. #20-027: Application for a Boundary Adjustment for Westwood Country Club of St. Louis for the Property Addressed as 11801 Conway Road Unit B**

Mr. Jeff Cohen, Vice President of Westwood Country Club, spoke to the request for a Boundary Adjustment to subdivide 2.8 acres to allow for part of the property to be sold for a single-family home development.

Ms. Whitney Kelly said the application was straightforward. She said if approved the lot would be created within the existing A-single family residential zoning.

Mr. Carney made a motion to approve subject to the conditions in the staff report. Mr. Myers seconded. All in favor.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Tim Carney, Commission Member
SECONDER:	James Myers, Commission Member
AYES:	Kistner, Rovak, Carney, Hall, Potashnick, Myers

2. Application #20-028: Minor Site Plan Approval for the Parking Lot Addition for Susan Roberts Salon at 733 Old Ballas Road

Ms. Susan Roberts, owner of Susan Roberts Hair Salon, she said was revisiting the parking lot addition. She said the plans have been revised.

Ms. Kistner asked if she approved of the staff recommendations.

Ms. Roberts said she did.

Ms. Kelly said the original approval from 2018 lapsed and as a result Ms. Roberts Salon was back before the commission. She said the proposal included a retaining wall. She said the stone would blend in well with the site. She said the original landscape plan from 2018 would be used.

Mr. Ken Schaeffer, engineer for the project, said he was available if anyone had questions.

Mr. Potashnick made a motion to approve subject to the conditions contained in the staff report. Mr. Carney seconded. All in favor.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Larry Potashnick, Commission Member
SECONDER:	Tim Carney, Commission Member
AYES:	Kistner, Rovak, Carney, Hall, Potashnick, Myers

3. PUBLIC HEARING. Application #20-026: Amended Conditional Use Permit and Site Development Plan for Courtyard by Marriott at 828 N. New Ballas Road, Creve Coeur, MO 63141

Those speaking to the request were sworn in.

Mr. Eli Tuttle, of Johnson Braund, Inc., showed the proposed design. He said they would be enhancing the entryways to a more contemporary design. He said they would be bringing the lot to

meet ADA standards. He said they would have to adjust the grade in the parking lot. Mr. Tuttle said the colors were putty gray, medium gray and graphite. He said there would be metal cladding to enhance the entrances. He said the metal cladding finish was a double matte to prevent any glare.

Mr. Rovak asked about the entryway material.

Mr. Tuttle said that material was metal designed to look like wood and surrounded by gray. He continued showing the paint colors along with the elevations.

Ms. Kistner asked if the applicant agreed to the conditions stated in the staff report.

Mr. Tuttle said they did except for the one regarding the stair tower the back. He said it was not visible and it was a cost point to bring the metal cladding up the tower (condition 4).

Mr. Carney asked if the balcony railings would be changed.

Mr. Tuttle said they would be repainted to remain a dark bronze to match the door frames.

Mr. Streiler joined the meeting at 7:07pm.

Ms. Hall asked if the Courtyard at Westport used the same colors.

Mr. Tuttle said he thought the colors were similar, but the colors were different, and they did not use the metal cladding. He said Westport used the dark gray more freely than they were intending. He said their building was 2-tone and the proposal in front of them was 3-tone with softer grays. He said the darker gray is only used at entrances with the cladding. He said the parapet would be lit at night and showed a few other areas where the strip lighting would be. He showed visual images of the other site.

Ms. Kelly said the applicant is seeking to update the building to a more modern aesthetic. She said there were a few items that need to be addressed. She spoke to the cladding and how carrying it up would help it meet the design guidelines. She suggested the globe lights be replaced with something conforming. She said the design guidelines encourage stepping away from the corporate brand look.

Mr. Streiler said the color palette seemed natural to him. He asked what colors would blend with the surroundings.

Mr. Jaggi said the grays would go well with the area.

Mr. Streiler said the wood accents look nice and he agreed the cladding should be carried up.

Mr. Tuttle said the wood cladding is intended to catch your eye and identify the area as an entrance.

Mr. Lumley offered the exhibits into the record and the public hearing was closed.

There was some discussion regarding the color palette and how high the cladding should go.

Mr. Myers made a motion to approve subject to the conditions in the staff report. Ms. Hall seconded. All in favor.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	James Myers, Commission Member
SECONDER:	Muriel Hall, Commission Member
AYES:	Kistner, Rovak, Carney, Hall, Potashnick, Myers, Streiler

WORK AGENDA

1. Residential Tree Protection and Replacement Ordinance

Mr. Jaggi said there was interest by council to have tree preservation on existing lots. He said they are working on developing an ordinance. He wanted to discuss the direction of the ordinance with the commission to determine how to move forward.

There was some discussion regarding preservation and adopting new tree cover.

Mr. Jaggi said the purpose of the ordinance would be to regulate the trees in the construction process. He went over the possible contents of a proposed ordinance. He said a comprehensive tree plan was estimated to cost around \$2500 per applicant.

Mr. Streiler said he thought the price point was too high for residents.

There was further discussion regarding possible requirements. Mr. Jaggi indicated staff would discuss further with council and bring a specific proposal forward as directed.

2. Site Coverage Discussion

Mr. Jaggi said he wanted to discuss residential site coverage. He mentioned a product proposed by a resident that uses gravel in a grid system.

There was some discussion regarding the product and the logic behind some of the requirements regarding coverage.

Mr. Sheldon Davis spoke regarding his deck and his request to add a gazebo. He said he could put in a swimming pool and it would not count against his site coverage. He asked the commission to consider the logic that would allow him to build a swimming pool with no coverage penalty; whereas, a deck with drainage would count against his site coverage.

Mr. Jaggi said if they wanted to make changes to the ordinance there would need to be a formal review. Staff will continue to work on this item.

DEPARTMENT REPORTS

Ms. Kelly gave a brief overview of what would be on the agenda for the October 5th meeting. She said there would also be a brief ethics update presented by Mr. Lumley.

Mr. Jaggi said there will be some additional virtual town halls regarding Prop C.

ADJOURNMENT

Mr. Streiler made a motion to adjourn. All in favor. Meeting concluded at 8:45pm.



APPLICATION TO PLANNING AND ZONING COMMISSION
#20-029: NEW LED PARKING LOT LIGHTING FOR TEMPLE
EMANUEL AT 12166 CONWAY ROAD

FOR THE MEETING OF: Monday, October 5, 2020

SUBJECT PROPERTY LOCATION: 12166 Conway Road, Zoned A – Single Family Residential District

REQUEST: Matt Ward, of Schaeffer Electric Co., has submitted a Minor Site Development Plan application for new LED lighting throughout the parking lot for Temple Emanuel, at 12166 Conway Road. Section 405.680 Lighting states that the Planning and Zoning Commission shall review proposed lighting for non-residential building construction or for the replacement or addition of light standards on an existing non-residential development in accordance with Section 405.1080. Section 405.1080 requires minor site plan approval by the Planning and Zoning Commission for any proposed alteration that would significantly affect the exterior of a building or site.

ADDITIONAL INFORMATION: The property was originally developed in 1962, zoned A Single Family Residential. Section 405.680(B)(2) states that in residential zoning districts, lighting fixtures, except traffic signals and lighting for major outdoor recreation facilities, shall not exceed 16 feet in height (measured from the bottom of the base to the top of fixture) unless specifically permitted by the site development plan approval. The request is for 24 foot tall new LED light fixtures.

APPLICANT: Matt Ward
Schaeffer Electric Co.
4667 Green Park Road
Saint Louis, MO 63123

PROPERTY OWNER: Temple Emanuel
12166 Conway Road
Creve Coeur, MO 63141

Key Issues:

- Does the request integrate with the existing surrounding uses?
- Does the request further or implement the goals of the Comprehensive Plan?
- Is the request consistent with the Design Guidelines?

Comprehensive Plan References

- Community Sustainability & Resilience
- Design Guidelines

Zoning Code References

- Section 405.680: Lighting
- Section 1080: Site Concept, Site Development and Minor Site Plan Approval.

Specifications

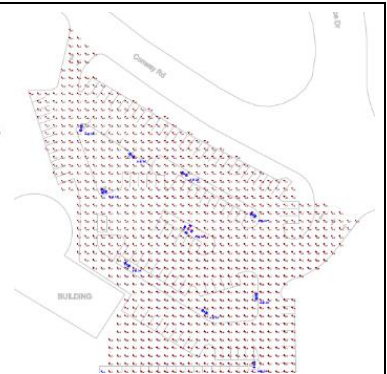
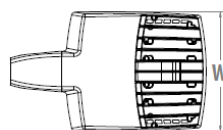
EPA
(ft²@0°): 0.57 ft² (0.05 m²)

Length: 21.8" (55.4 cm)
(SPA mount)

Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body
7.2" (18.4 cm) Arm

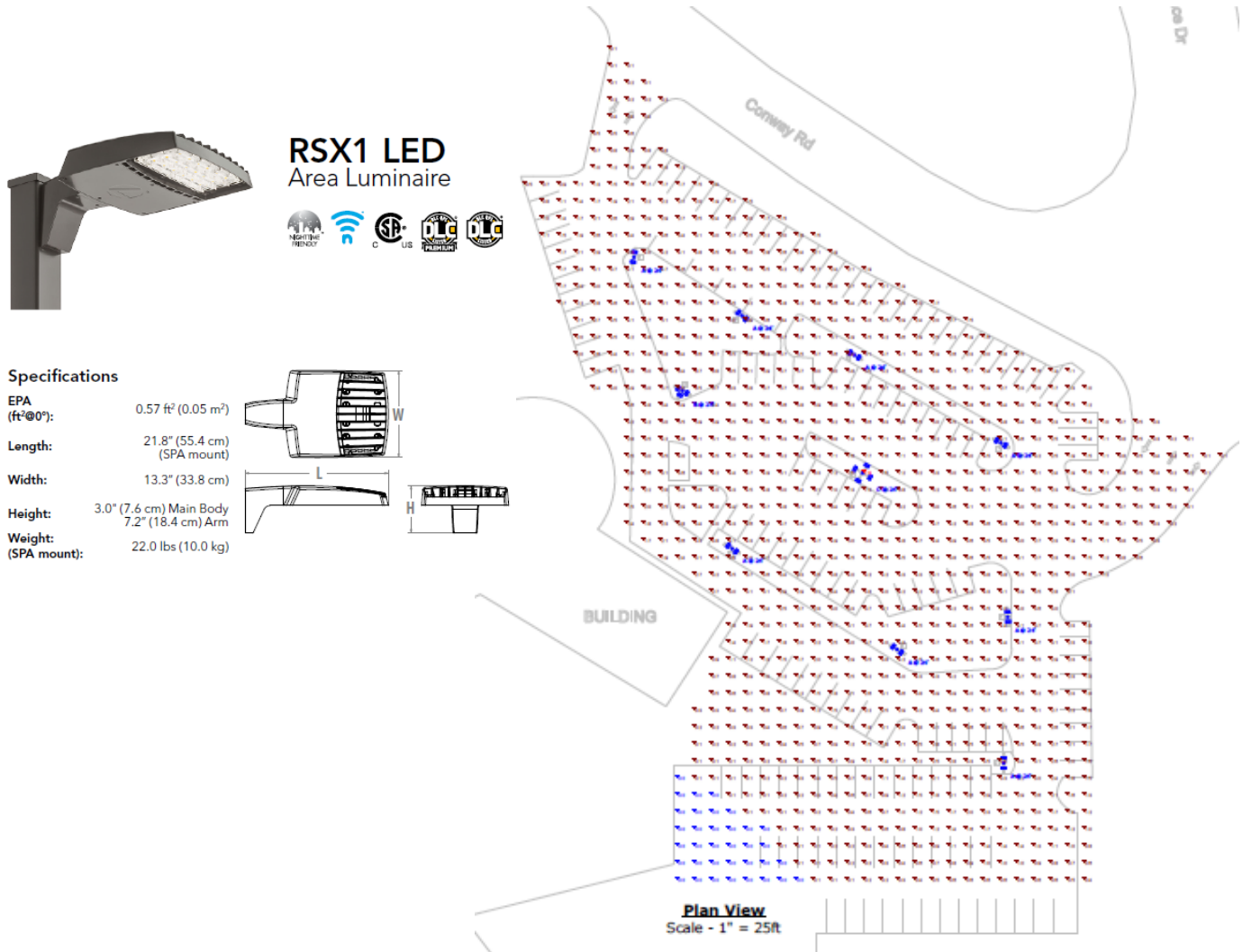
Weight: 22.0 lbs (10.0 kg)
(SPA mount):



REPORT PREPARED BY: Whitney Kelly, AICP, City Planner
DATE: 9/29/2020
ATTACHMENTS: Applicants Materials received September 3, 2020

PROPOSAL

According to the Applicant, the existing light fixtures are approximately 7 or 8 feet in height, and half of the lights do not work. Therefore, they are now seeking approval for new LED parking lot lighting for the Temple Emanuel throughout the existing parking lot to provide adequate lighting for the congregations. The new fixtures are a dark bronze color. The mounting height is indicated to be at 24 feet.



Schedule									
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF Wattage
	A	8	Lithonia Lighting	RSX1 LED P4 40K R5	RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R5 Distribution	LED	1	16795	0.9 266.28
	B	1	Lithonia Lighting	RSX1 LED P4 40K R5	RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R5 Distribution	LED	1	16795	0.9 399.42
	C	1	Lithonia Lighting	RSX1 LED P4 40K R5	RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R5 Distribution	LED	1	16795	0.9 532.56

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE		2.9 fc	7.8 fc	0.0 fc	N/A	N/A

Figure 1: Applicant's photometric plan.

LAND USE AND ZONING OF SURROUNDING PROPERTIES

The adjacent zoning and land uses are as follows:

DIRECTION	USE	ZONED	SEPARATED BY
North	Mercy Hospital	PH-Planned Hospital	Conway Road
South	Office / Mercy Hospital South Campus	Office District Town and Country	N/A
East	Mercy Hospital South Campus	PH-Planned Hospital	N/A
West	Covenant Theological Seminary/ Residences	HE-Higher Education / A Single Family Residential	I-270

COMPREHENSIVE PLAN REVIEW

The subject property is included in the Campus District (CP) place type. The Campus and Institutional Districts are intended consist of physical development recommendations to guide the public street frontages of the development, while allowing for maximum flexibility on the interior of the site, and to protect established, existing residential neighborhoods from potential negative impacts of non-residential land uses. Due to the variety of Campus and Institutional uses in different settings, the implementation should be evaluated to the existing built character as well as the desired future vision of each place type district (p.106). The *Creve Coeur 2030* plan encourages promoting energy efficiency throughout the City as part of the Community Sustainability & Resilience Objectives (p. 51). The question here is not related to the use per se, nor to the appropriateness of the development as a whole. Instead, this analysis focuses more on the zoning regulations regarding new outdoor lighting. Therefore, the proposal for new LED Standards meets with these goals and objectives of the Comprehensive Plan. No other changes to the exterior of the building or site are proposed at this time.

ZONING REVIEW

Lighting

Section 405.680 Lighting of the Zoning Ordinance provides that the Planning and Zoning Commission shall review all lighting plans that include the type, number, brightness, type of cutoff/shielding and hours of usage of all fixtures. Section 405.680(B) requires that all lighting shall be downcast and fully shielded and shall not cast light upon adjacent property or right-of-way nor shall glare be emitted from an illuminant source. Section 405.680(B)(2) states that in residential zoning districts fixtures, except traffic signals and lighting for major outdoor recreation facilities, shall not exceed 16 feet in height (measured from the bottom of the base to the top of fixture) unless specifically permitted by the site development plan approval in accordance with Section 405.1080. For lighting in the non-residential district, the height is limited to 24 feet. The subject property is zoned A Single Family residential, but do to the existing site characteristics, it's adjacency to the PH District and that I-270 separates this property from any residential uses, Staff does not have a concern with the overall height of the light fixtures at 24 feet. The photometric plan indicates that no lighting will be directed outward or be cast upon adjacent property. However, there is some lighting levels along Conway Road that are showing up to 1.9 foot candle at the edge of the parking lot near the property line. If the Commission wishes to see this level lowered they can discuss dimming the lighting, per Section 405.680(B)(5) between the hours of between the hours of 10:00 P.M. and 6:00 A.M., but not less than an average of one (1) foot-candle of illumination as required by Section 405.810(4).

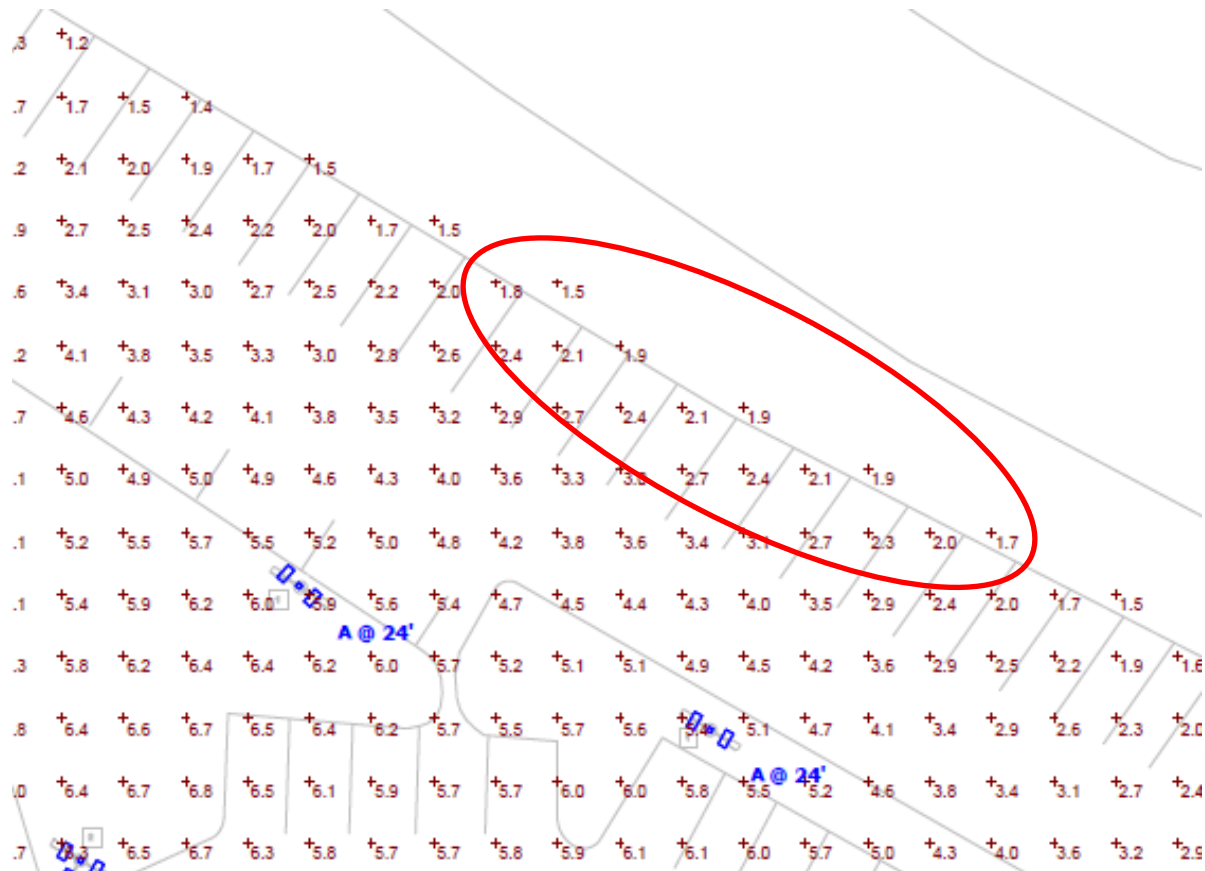


Figure 2: Close-up of the photometric plan along Conway Road showing the illumination level at 1.9 fc.

RECOMMENDATION

Based on the analysis within this report, Staff recommends the following conditions be incorporated in any motion for the approval of the Minor Site Plan. City Council action is not required.

1. The Applicant is required to submit a Building Permit application, as required by Article II of the Building Code for the light fixtures consistent with plan as bound together and submitted in conjunction with Application #20-029 as submitted by Schaeffer Electric Co., and with all conditions of approval.
2. All lighting shall be in conformance with Section 405.680, Lighting, of the Zoning Code, and Section 205.810 of the Parking Ordinance, with a total maximum height of 24 feet, and the light fixtures shall be a dark bronze color as proposed.
3. No site development plan or minor site plan approval shall be valid for a period longer than twelve (12) months from the date it is approved, unless within such period a building permit is obtained and substantial construction is commenced. Substantial construction shall be deemed to consist of clearing the site, completion of footings, basement or building slab and inspection of such work. The Planning and Zoning Commission and the City Council, when required, may grant extensions not exceeding twelve (12) months each upon written request of the original applicant prior to the expiration of such period and resubmission of the application if the application as resubmitted is substantially the same as the initially approved application. However, the Commission and the Council, as applicable, have the power in such cases to attach new conditions to their re-approval or to disapprove the reapplication. Where the application for re-approval contains changes which the Zoning Administrator concludes materially alter the initial application, the Zoning Administrator shall initiate a new site development plan review procedure as stated in Section 405.1080 or a new minor site plan review procedure as stated in Section 405.1080.

MOTION

The motion to approve the site development plans as shown in the Applicant's materials will be in the form of approval, approval with conditions, or deferral. City Council action is not required for minor site development plans. The following is an example of an appropriate motion for this proposal:

"I move to recommend approval of the minor site plan for the lighting improvements for the Temple Emanuel at 12166 Conway Road as presented to the Planning and Zoning Commission with Application #20-029, subject to the conditions contained in the Staff report for the meeting of October 5, 2020" (conditions may be added, eliminated, or modified).

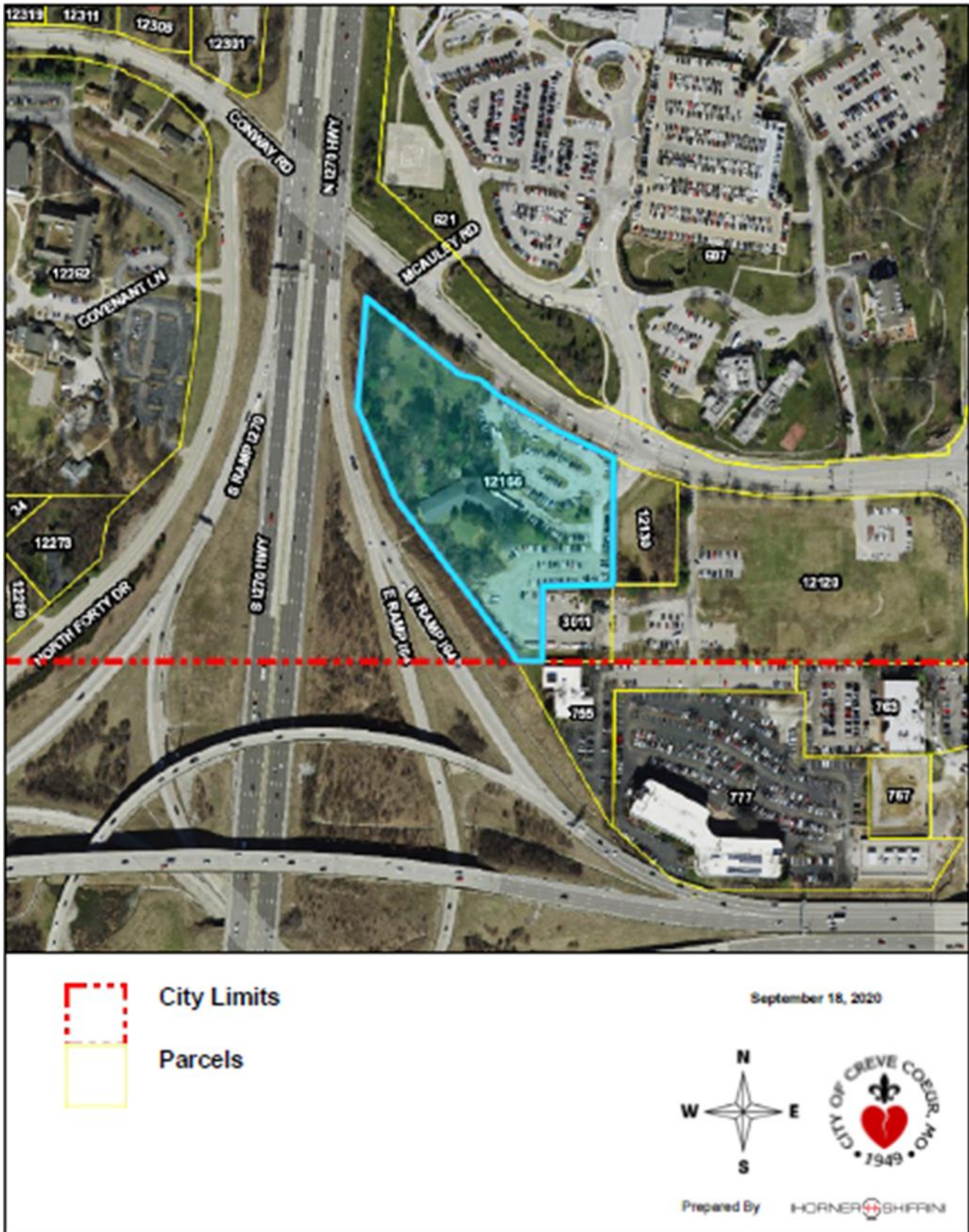
APPENDIX 1: COMPREHENSIVE PLAN, INCLUDING DESIGN GUIDELINES

Included and attached by reference. See body of report for specific excerpts.

APPENDIX 2: ZONING CODE

Included and attached by reference. See body of report for specific excerpts.

APPENDIX 3: AERIAL PHOTO



Schedule										
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
	A	8	Lithonia Lighting	RSX1 LED P4 40K R5	RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R5 Distribution	LED	1	16795	0.9	266.28
	B	1	Lithonia Lighting	RSX1 LED P4 40K R5	RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R5 Distribution	LED	1	16795	0.9	399.42
	C	1	Lithonia Lighting	RSX1 LED P4 40K R5	RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R5 Distribution	LED	1	16795	0.9	532.56

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE	+	2.9 fc	7.8 fc	0.0 fc	N/A	N/A



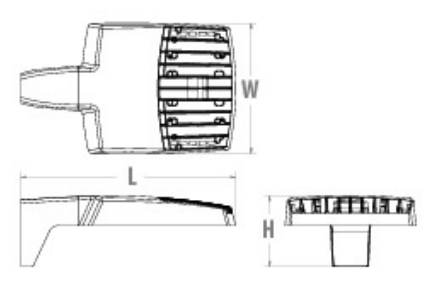
RSX1 LED
Area Luminaire



Catalog Number	
Notes	
Type	

Specifications

EPA (ft²/80"):	0.57 ft² (0.05 m²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight (max):	31.0 lbs (14.1 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral splitter and other mounting configurations are available.

Ordering Information					EXAMPLE: RSX1 LE P4 40K R3 MVOILT SPA DBXDB		
RSX LED	Series	Performance Package	Color Temperature	Wavelength	Mounting		
RSX1LE	P1	10K	3000K	R2	216nm (220nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
	P2	10K	4000K	R3	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
	P3	10K	5000K	R4	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
	P4	10K	6500K	R5	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R6	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R7	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R8	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R9	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R10	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R11	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R12	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
				R13	216nm (216nm-277nm) ¹	SPA	Square chip emitting 0.1mm x 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm, 0.125mm for 1 x 90° x 1.5mm
	AFR90	Automotive front low light beam				WVSLC	Wide view with reflector and combinator
	AFR100	Automotive front low light beam				AASP	Adjustable 40° beam spread for mounting 1
	AFR120	Automotive front low light beam				ASP	Adjustable 40° beam spread for mounting 2
						AWH1	Adjustable 40° beam spread with reflector 1
						AWH2	Adjustable 40° beam spread with reflector 2
						AWH3	Adjustable 40° beam spread with reflector 3
						AWH4	Adjustable 40° beam spread with reflector 4
						AWH5	Adjustable 40° beam spread with reflector 5
						AWH6	Adjustable 40° beam spread with reflector 6
						AWH7	Adjustable 40° beam spread with reflector 7
						AWH8	Adjustable 40° beam spread with reflector 8
						AWH9	Adjustable 40° beam spread with reflector 9
						AWH10	Adjustable 40° beam spread with reflector 10
						AWH11	Adjustable 40° beam spread with reflector 11
						AWH12	Adjustable 40° beam spread with reflector 12
						AWH13	Adjustable 40° beam spread with reflector 13
						AWH14	Adjustable 40° beam spread with reflector 14
						AWH15	Adjustable 40° beam spread with reflector 15
						AWH16	Adjustable 40° beam spread with reflector 16
						AWH17	Adjustable 40° beam spread with reflector 17
						AWH18	Adjustable 40° beam spread with reflector 18
						AWH19	Adjustable 40° beam spread with reflector 19
						AWH20	Adjustable 40° beam spread with reflector 20
						AWH21	Adjustable 40° beam spread with reflector 21
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						AWH23	Adjustable 40° beam spread with reflector 23
						AWH24	Adjustable 40° beam spread with reflector 24
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						AWH27	Adjustable 40° beam spread with reflector 27
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						AWH36	Adjustable 40° beam spread with reflector 36
						AWH37	Adjustable 40° beam spread with reflector 37
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						AWH43	Adjustable 40° beam spread with reflector 43
						AWH44	Adjustable 40° beam spread with reflector 44
						AWH45	Adjustable 40° beam spread with reflector 45
						AWH46	Adjustable 40° beam spread with reflector 46
						AWH47	Adjustable 40° beam spread with reflector 47
						AWH48	Adjustable 40° beam spread with reflector 48
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						AWH184	Adjustable 40° beam spread with reflector 1

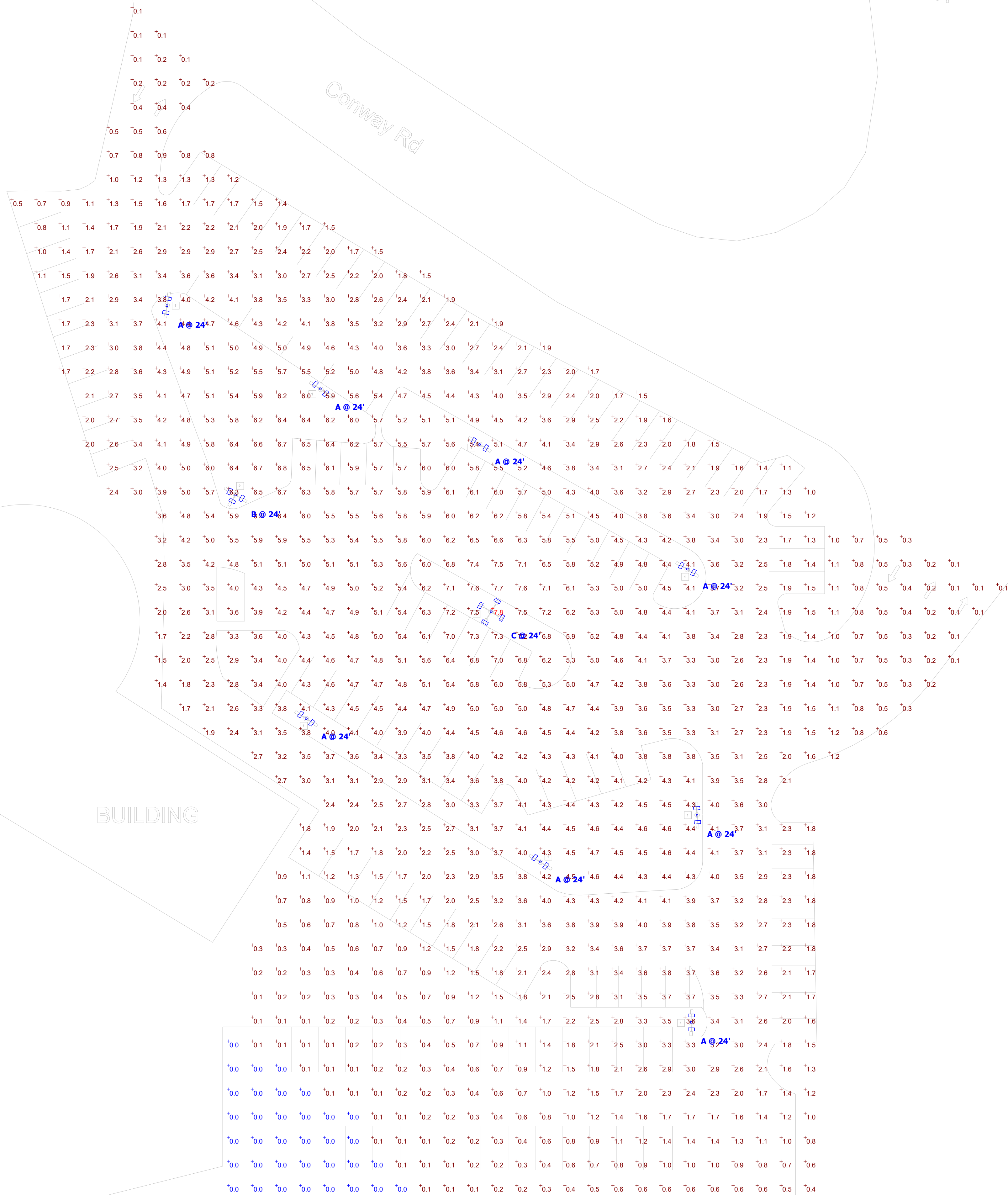


Lithonia RSX1 Area LED
Rev. 01/20/20
Page 1 of 1

DESIGNER'S NOTE:

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IESNA) APPROVED METHODS. ADDITIONALLY, THE PREPARER USED INFORMATION PROVIDED BY THE CUSTOMER. IF/WHEN SUFFICIENT INFORMATION WAS NOT PROVIDED, PREPARER USED EDUCATED ASSUMPTIONS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIR(S) MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER FIELD CONDITIONS NOT ACCOUNTED FOR IN THIS PHOTOMETRIC ANALYSIS.

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR ENERGY CODE AND RELEVANT LIGHTING QUALITY COMPLIANCE.



Plan View
Scale - 1" = 25ft

Designer
SLLG

Date
9/1/2020

Scale
1"=25'

Drawing No.
REV-9

Summary
24'-0" MOUNTING



RSX1 LED Area Luminaire

Catalog
Number

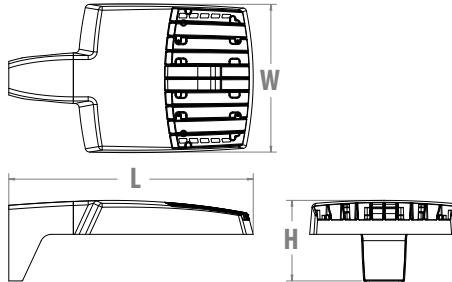
Notes

Type

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

Specifications

EPA (ft ² @0°):	0.57 ft ² (0.05 m ²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight: (SPA mount):	22.0 lbs (10.0 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBX1

RSX1 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) ²	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) ³	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	(use specific voltage for options as noted)	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide		IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁵
			R4S Type 4 Short		WBA Wall bracket ¹
			R5 Type 5 Wide		WBASC Wall bracket with surface conduit box
			R5S Type 5 Short ¹	120 ³ 277 ⁴	AASP Adjustable tilt arm square pole mounting ⁵
			AFR Automotive Front Row	208 ³ 347 ⁴	AARP Adjustable tilt arm round pole mounting ⁵
			AFRR90 Automotive Front Row Right Rotated	240 ³ 480 ⁴	AAWB Adjustable tilt arm with wall bracket ⁵
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁵

Options		Finish
Shipped Installed HS House-side shield ⁶ PE Photocontrol, button style ^{7,8} PEX Photocontrol external threaded, adjustable ^{8,9} PER7 Seven-wire twist-lock receptacle only (no controls) ^{8,10,11,12} CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) ⁴ DF Double fuse (208, 240, 480) ⁴ SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output ^{8,12} DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ^{8,12}		DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White
Shipped Separately (requires some field assembly) EGS External glare shield ⁶ EGFV External glare full visor (360° around light aperture) ⁶ BS Bird spikes ¹⁶		

Shipped Installed

*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)

NLTAIR2 nLight AIR generation 2^{12,13,14}

PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2)^{12,14,15}

*Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)

EGS External glare shield⁶

EGFV External glare full visor (360° around light aperture)⁶

BS Bird spikes¹⁶



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.acuitybrands.com
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Lithonia RSX1 Area LEU
Rev. 07/28/20
Page 1 of 9

Packet Pg. 15

Attachment: lithonia-rsx1-area-led (#20-029: Temple Emanuel LED Lighting)

Ordering Information

Accessories

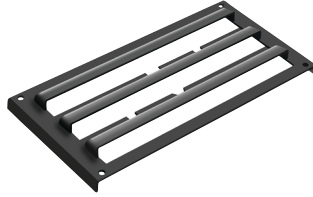
Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glare shield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) ¹
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹⁷
DSHORT SBK U	Shorting cap ¹⁷

NOTES

- Any Type 5 distribution, is not available with WBA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.
- Requires MVOLT or 347V.
- Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, PIRHN).
- Requires 120V, 208V, 240V or 277V.
- Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

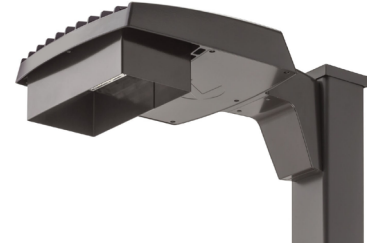
External Shields



House Side Shield



External Glare Shield

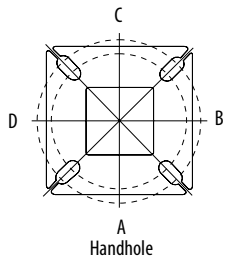


External 360 Full Visor

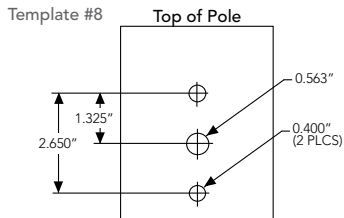
Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

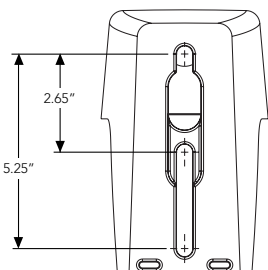
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

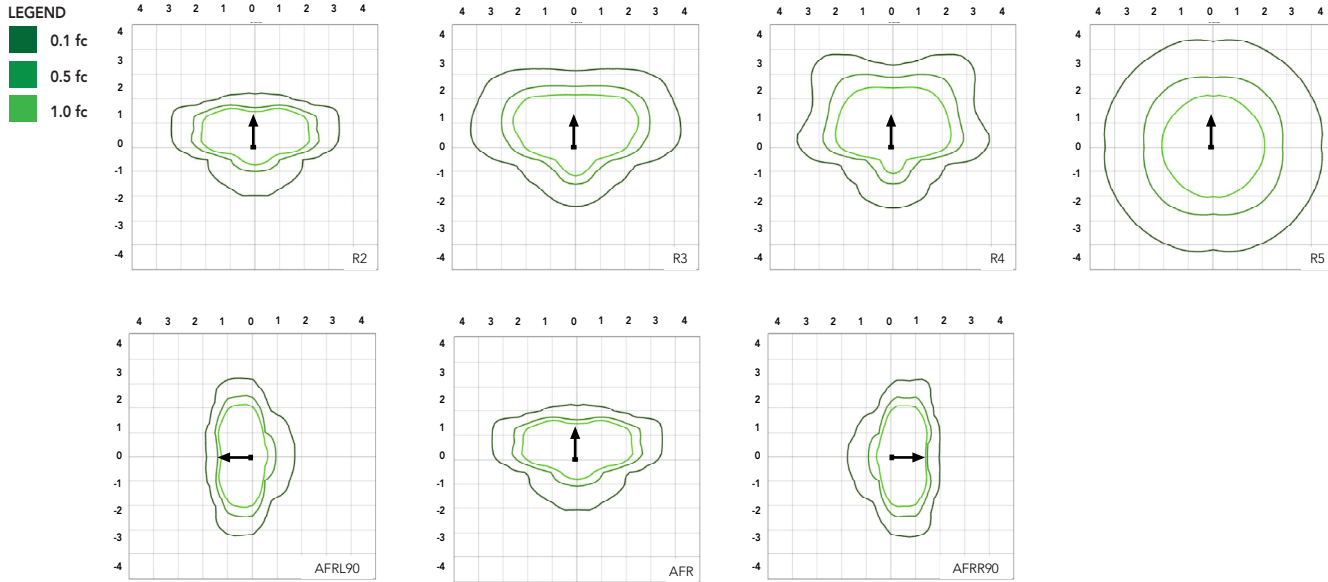
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
SPA - Square Pole Adaptor	0 °	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0 °	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

Photometric Diagrams

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

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Performance Data

Lumen Output

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

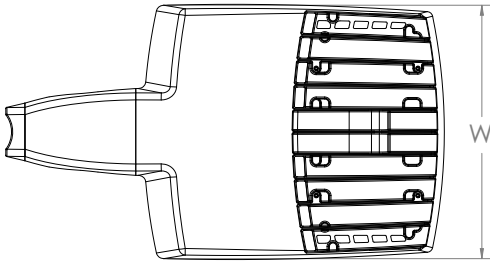
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

Dimensions & Weights

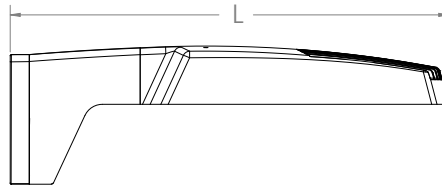
Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)



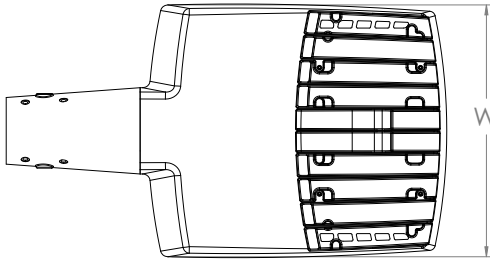
Length: 22.8" (57.9 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.4 cm) Arm



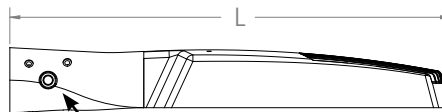
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



RSX1 with Mast Arm Adapter (MA)

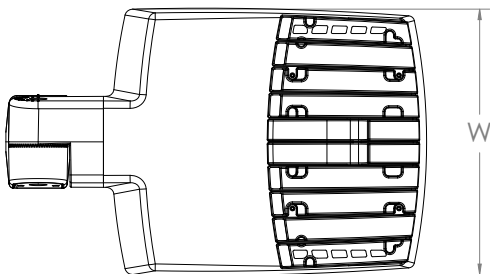


Length: 23.2" (59.1 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 3.5" (8.9 cm) Arm

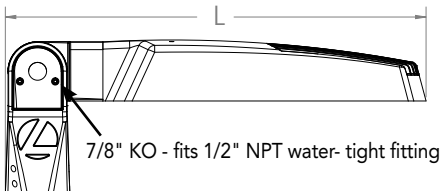


7/16" locking thru bolt/nut provided

RSX1 with Adjustable Slipfitter (IS)



Length: 20.7" (52.7 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm



7/8" KO - fits 1/2" NPT water-tight fitting



COMMERCIAL OUTDOOR

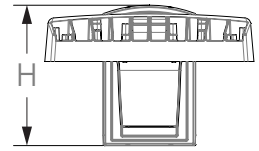
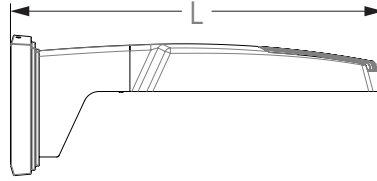
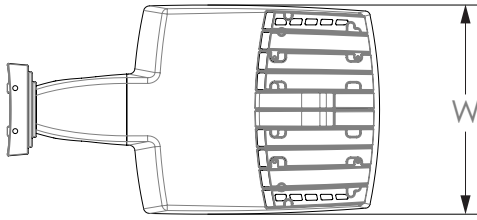
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Lithonia RSX1 Area LED
 Rev. 07/28/20
 Page 5 of 9

Packet Pg. 19

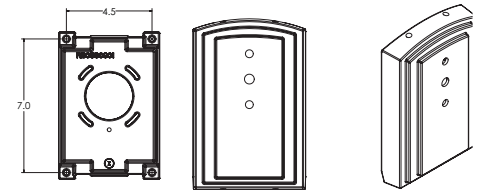
Dimensions

RSX1 with Wall Bracket (WBA)

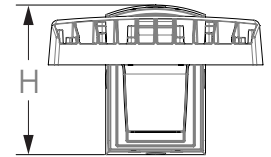
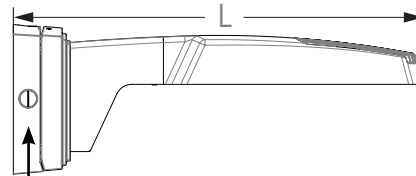
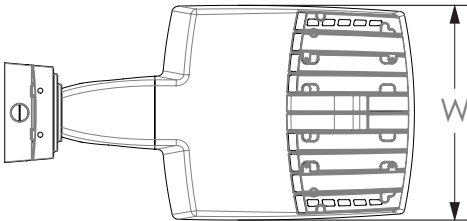


Length: 23.6" (59.9 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



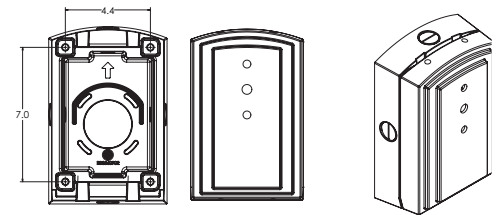
RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



3/4" NPT taps with plugs - Qty (4) provided

Length: 25.3" (64.3 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 9.2" (23.4 cm) Arm

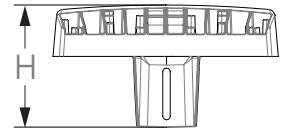
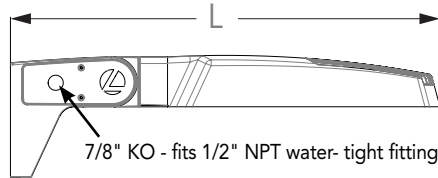
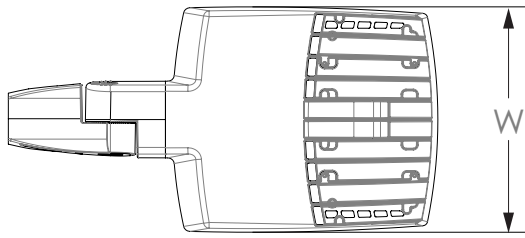
Surface Conduit Box (SCB) Mounting Detail



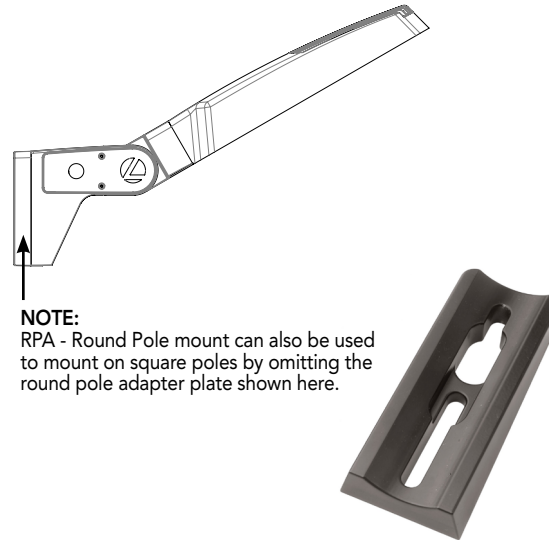
Attachment: lithonia-rsx1-area-led (#20-029: Temple Emanuel LED Lighting)

Dimensions

RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



Length: 25.3" (65.3 cm) **AASP**
 26.3" (66.8 cm) **AARP**
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.2 cm) Arm



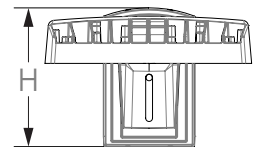
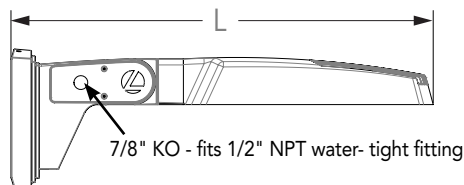
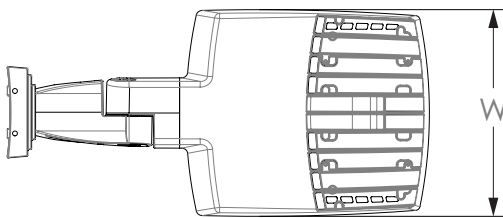
NOTE:
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Notes

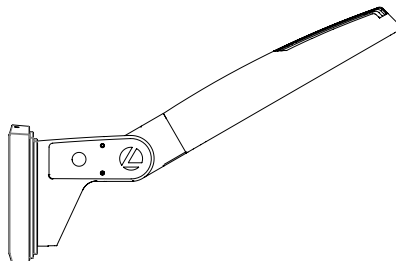
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

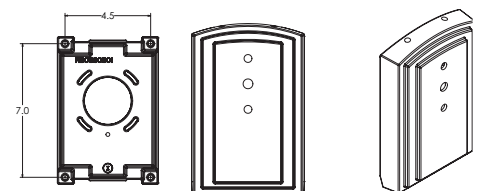
RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



Length: 27.1" (68.8 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

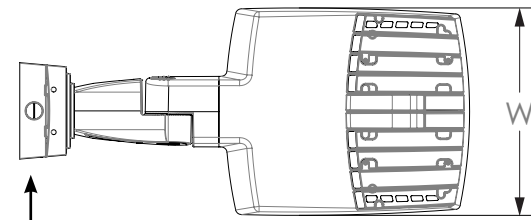


Wall Bracket (WBA) Mounting Detail

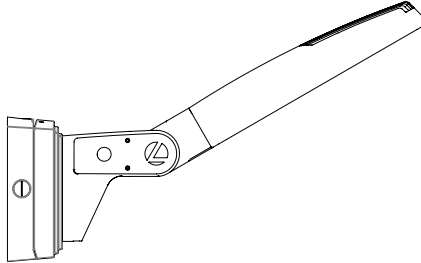
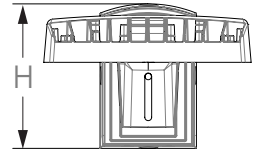
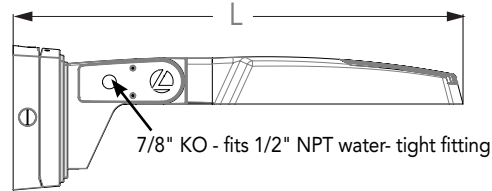


Dimensions

RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)

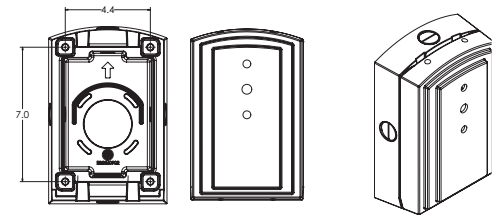


3/4" NPT taps
with plugs - Qty (4)
provided

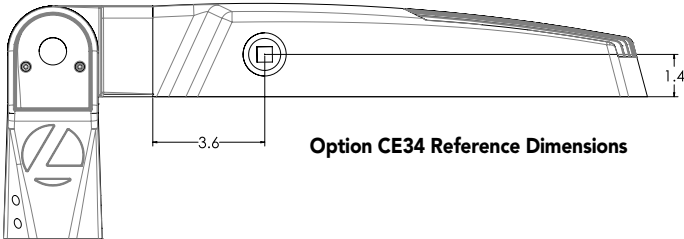


Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

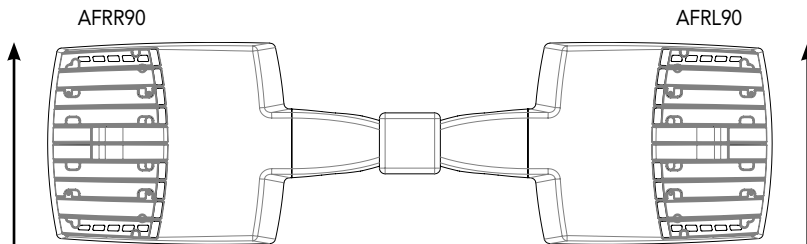


Additional Reference Drawings



Option CE34 Reference Dimensions

Automotive Front Row - Rotated Optics (AFRL90/R90)



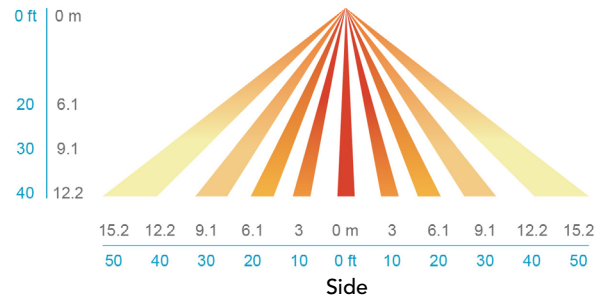
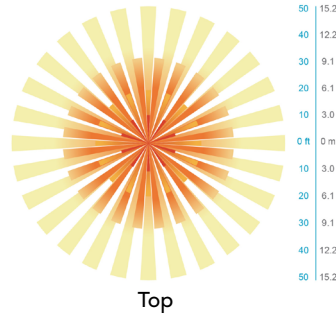
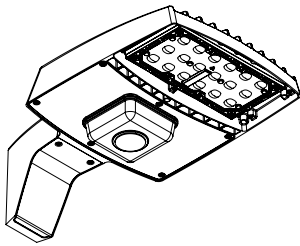
(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

Attachment: lithonia-rsx1-area-led (#20-029: Temple Emanuel LED Lighting)

nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Motion Sensor Default Settings - Option PIRHN

Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warranted not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFR90 and ARFL90.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocell functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Not the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

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



COMMERCIAL OUTDOOR

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Lithonia RSX1 Area LEU
Rev. 07/28/20
Page 9 of 9

Packet Pg. 23

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Check with factory for Canadian specifications. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — **Pole Shaft:** The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: A flush non-metallic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



Anchor Base Pole

SSS

SQUARE STRAIGHT STEEL

Attachment: pole-sss (#20-029: Temple Emanuel LED Lighting)

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: SSS 20 5C DM19 DDB

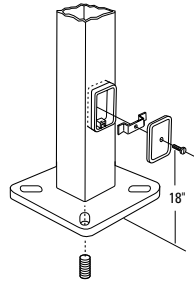
SSS						
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness¹	Mounting²		Options	Finish¹⁰
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" 11g (.1196") 4G 4" 7g (.1793") 5C 5" 11g (.1196") 5G 5" 7g (.1793") 6G 6" 7g (.1793") See technical information table for complete ordering information.)	<u>Tenon mounting</u> PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <u>KAC/KAD/KSE/KSF/KVR/KVE Drill mounting³</u> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <u>CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting³</u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° <u>RAD drill mounting³</u> DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90°	<u>AERIS™ Suspend drill mounting³,⁴</u> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° <u>OMERO™ Suspend drill mounting³,⁴</u> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	<u>Shipped installed</u> L/AB Less anchor bolts (Include when anchor bolts are not needed) VD Vibration damper TP Tamper resistant handhole cover fasteners HAXy Horizontal arm bracket (1 fixture)⁵,⁶ FDLxy Festoon outlet less electrical⁵ CPL12/xy 1/2" coupling⁵ CPL34/xy 3/4" coupling⁵ CPL1/xy 1" coupling⁵ NPL12/xy 1/2" threaded nipple⁵ NPL34/xy 3/4" threaded nipple⁵ NPL1/xy 1" threaded nipple⁵ EHHxy Extra handhole⁵,⁷ MAEX Match existing⁸ USPOM United States point of manufacture⁹ IC Interior coating¹⁰ UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) <u>Shipped separately (replacement kit available)</u> (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	<u>Standard colors</u> DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum <u>Classic colors</u> DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue <u>Architectural Colors and Special Finishes¹¹</u> Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

- NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAXxy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

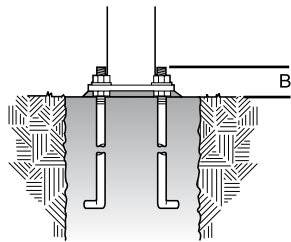
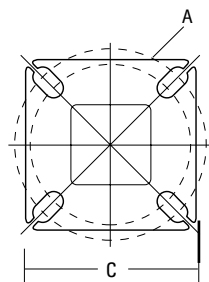
TECHNICAL INFORMATION — EPA (ft ²) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft ²) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8-9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8-9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8-9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10-12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11-13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11-13	1 x 36 x 4	605

* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

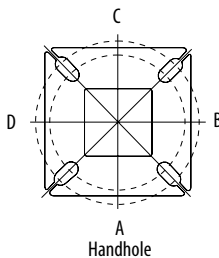
BASE DETAIL



POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" - 9"	3.25" - 3.75"	8" - 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3'
4"G	8" - 9"	3.38" - 3.75"	8" - 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G	3/4"x30"x3'
5"	10" - 12"	3.5" - 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5	1"x36"x4"
6"	11" - 13"	4" - 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	N/A	1"x36"x4"



HANDHOLE ORIENTATION



Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.



city of CREVE COEUR

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MEMO TO PLANNING AND ZONING COMMISSION

Meeting Date: October 5, 2020

Subject: Creve Coeur Ethics Policy Discussion

Memo Prepared by: Jason W. Jaggi, AICP Director of Community Development

Attachments: None

The City requires biennial ethics training (i.e. in odd-numbered years). To keep ethics at the forefront in even years, please review this checklist. We will cover these items and discuss any questions that the members have at the meeting.

- A conflict of interest can arise from your personal interests, or the interests of your spouse or dependents, your business, or your employer.
- The state ethics standards can be found at Sections 105.452 – 105.466 and 105.667, Mo. Statutes.
- The City ethics provisions can be found in City Code Chapter 130 and Charter Chapter 14.
- You can seek advice from the city attorney or your own legal counsel.
- If you have a conflict of interest, stay out of the matter.
- The City has nepotism policies pertaining to an appointment of a relative to a City employee position and elected/appointed office.
- It is a crime to direct a police officer to meet a traffic quota or to issue more tickets.
- There can be substantial penalties for Sunshine law violations.
- Confidential City information should not be disclosed.
- Solicitation and acceptance of donations to the City requires advance approval.
- You are not allowed to accept gifts over \$50/year from City contractors, vendors or applicants.
- Employees cannot make campaign contributions for City of Creve Coeur elections.

Attachment: Ethics Memo to PZ 10-5-20 (Creve Coeur Ethics Policy Discussion)