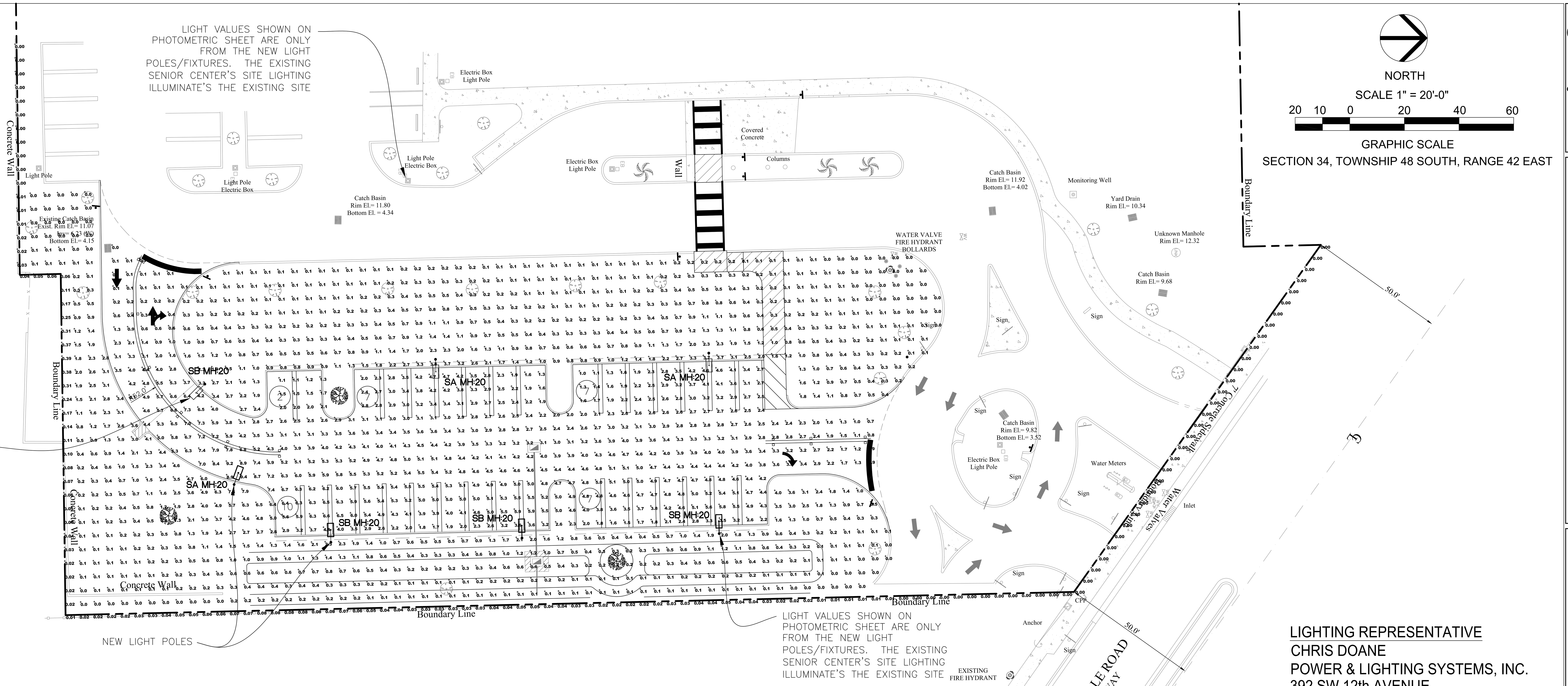


MDC
MUNSON DESIGN AND CONSULTING, INC.
P.O. BOX 771058
CORAL SPRINGS, FL. 33077
PHONE: 954-340-5291
AUTHORIZATION No. 9327
LB No. 7958

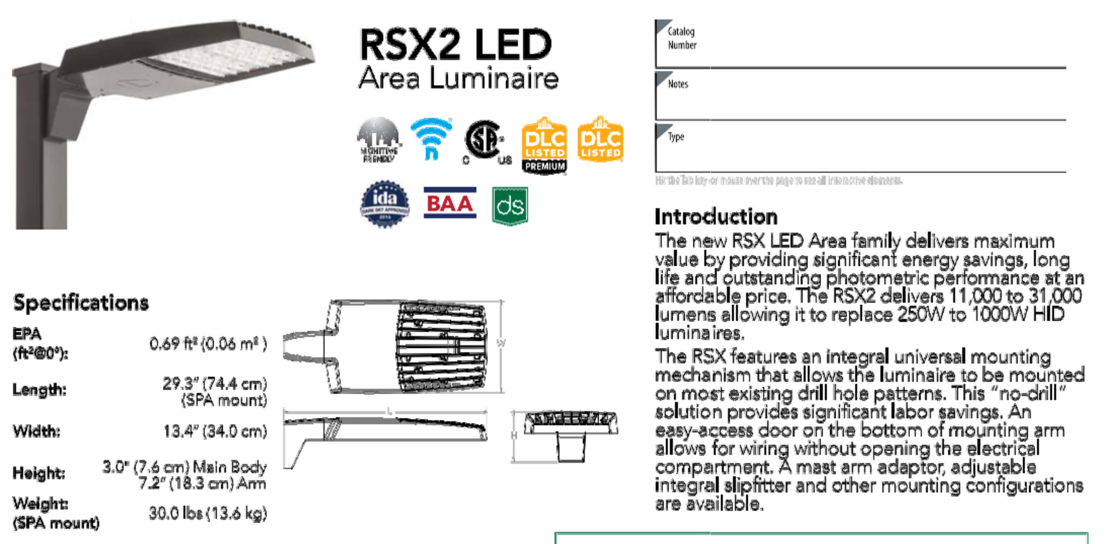
LIGHTING PHOTOMETRIC PLAN

LIGHTING REPRESENTATIVE

CHRIS DOANE
POWER & LIGHTING SYSTEMS, INC.
392 SW 12th AVENUE
DEERFIELD BEACH, FL. 33071
PHONE: 561-436-6671
954-360-7608

ALL LIGHT SYSTEMS AND COMPONENTS SHALL MEET THE SPECIFICTIONS AND CRITERIA LISTED HEREIN PER POWER & LIGHTING SYSTEMS, INC.

RSX2 LED
Area Luminaire



Catalog Number
Notes
Type

Specifications

EPA (ft²@0°): 0.69 ft² (0.06 m²)
Length: 29.3" (74.4 cm) (SPA mount)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight (SPA mount): 30.0 lbs (13.6 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 RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W 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.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1 P2 P3 P4 P5 P6	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide R5S Type 5 Short AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) HVOLT (347V-480V) XVOLT (277V-480V) (use specific voltage for options as noted) 120 277 208 347 240 480	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) 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°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) WBA Wall bracket WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting AARP Adjustable tilt arm round pole mounting AAWB Adjustable tilt arm with wall bracket AAWSC Adjustable tilt arm wall bracket and surface conduit box

Options

Shipped Installed
HS House-side shield
PE Photocontrol, button style
PER7 Seven-wire twist-lock receptacle only (no controls)
SF Single fuse (120, 277, 347)
DF Double fuse (208, 240, 480)
SPD20KV 20KV Surge pack (10KV standard)
FAO Field adjustable output
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separate)
DS Dual switching

Shipped Installed
*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)
NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor
BAA Buy America(n) Act Compliant
CCE Coastal Construction
*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)
EGS External glare shield
EGFV External glare full visor (360° around light aperture)
BS Bird spikes

Finish

DDBXD Dark Bronze
DBLXD Black
DNAXD Natural Aluminum
DWHXD White
DDBTXD Textured Dark Bronze
DBLBXD Textured Black
DNATXD Textured Natural Aluminum
DWHGXD Textured White

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.acuitybrands.com
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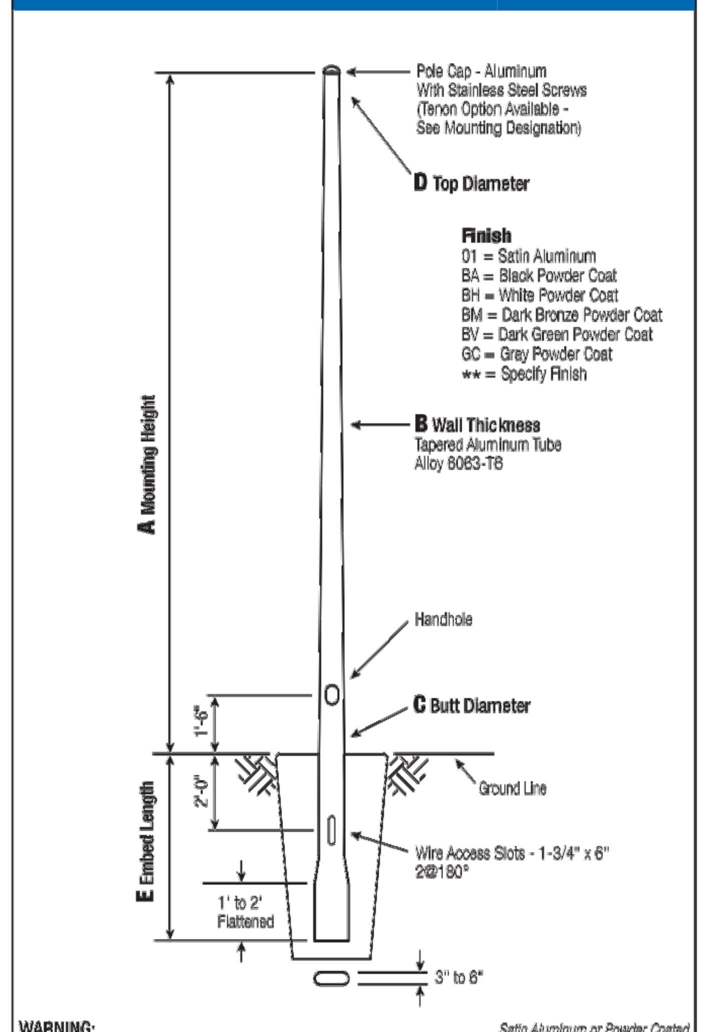
Lithonia RSX2 Area LED Rev. 04/20/23 Page 1 of 9

RTA
Round Tapered Aluminum Pole
No Arm — Direct Buried



WARNING: Do not install light pole without luminaire.

A Mtg. Hgt.	B Wall Thickness	C Butt Diameter	Total Lum. Weight	Maximum EPA 90	100	110	120	130	Old Cat. Number	Catalog Number
20	0.125"	6	100	12.0	9.2	8.4	6.8	5.6	50-001	RTA20B6BE-**

C Butt Dia.	D Top Dia.	E Embed
6	4.5	4'

C and D Dimensions in Inches

Customer Name:
Project: Location:
Notes: Quantity:

RTA20B6BE -
CATALOG NUMBER FINISH

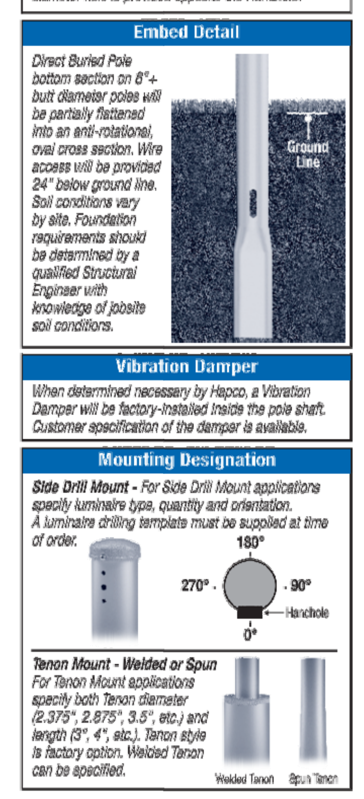
Pole
The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated to produce a T6 temper.

Handhole
Reinforced, 3" x 5" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. A Grounding Provision incorporating a 3/8" diameter hole is provided opposite the Handhole.

Embed Detail
Direct Buried Pole bottom section on 8"+ butt diameter poles will be partially flattened into an anti-rotational, oval cross section. Wire access will be provided 24" below ground line. Soil conditions vary by site. Foundation requirements should be determined by a qualified Structural Engineer with knowledge of jobsite soil conditions.

Vibration Damper
When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

Mounting Designation
Side Drill Mount - For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.
Tenon Mount - Welded or Spun For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.). Tenon style is factory option. Welded Tenon can be specified.



EPA Notes: Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA, if weight is exceeded, or if other design life or code is required, please consult the factory.

hapco
26252 Hillman Highway
Abingdon, VA 24210
800.368.7171
www.hapco.com

Luminaire Schedule: CITY OF POMPANO BEACH SENIOR ACTIVITY CENTER - SITE_REV 1 POMPANO BEACH, FL 10/12/2023

Symbol	Qty	Label	Arrangement	Manufacturer	Catalog Number	Mounting	LLF	Luminaire Lumens	Luminaire Watts	Arrangement Watts
	3	SA	Single	Lithonia Lighting	RSX2 LED P1 40K R3	POLE MOUNT A.F.G.	0.903	10991	72.06	72.06
	4	SB	Single	Lithonia Lighting	RSX2 LED P2 40K R3 HS	POLE MOUNT A.F.G.	0.903	12072	114.07	114.07

Calculation Summary: CITY OF POMPANO BEACH SENIOR ACTIVITY CENTER_REV 1 POMPANO BEACH, FL 10/12/2023

Label	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min
GRASS AREA	Illuminance	Fc	0.73	7.9	0.0	N.A.	N.A.
SPILL HORIZONTAL (6' above grade)	Illuminance	Fc	0.04	0.39	0.00	N.A.	N.A.
SPILL VERTICAL (6' above grade)	Illuminance	Fc	0.15	1.49	0.00	N.A.	N.A.
DRIVE LANE (left)	Illuminance	Fc	3.86	9.4	0.1	38.60	94.00
DRIVE LANE (right)	Illuminance	Fc	2.11	3.6	0.7	3.01	5.14
PARKING LOT	Illuminance	Fc	3.74	6.7	1.0	3.74	6.70

SHANE L. H. MUNSON LICENSE 54719 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Shane Munson
DN: c=US, o=Munson Design and Consulting Inc, dnQualifier=A01410C00000188DFD11E920000B0C8, cn=Shane Munson
Date: 2023.10.25 14:39:23 -04'00'

DATED: 10/23/2023
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SHANE MUNSON ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

REVISIONS:

CITY OF POMPANO BEACH'S SENIOR ACTIVITY CENTER OVERFLOW PARKING LOT

PROJECT ADDRESS:
2005 NW 9TH STREET
POMPANO BEACH, FL 33069

Phase:
DRC No.2
DOCUMENTS

Scale: 1"=20'	
Job No. 2023-1500	Sheet No.
Date 02/14/2023	PHOTO
Drawn by SM	Plot Date 10/23/2023
Appr. by HG	1 of 1

DRC
PZ23-12000015
12/06/2023