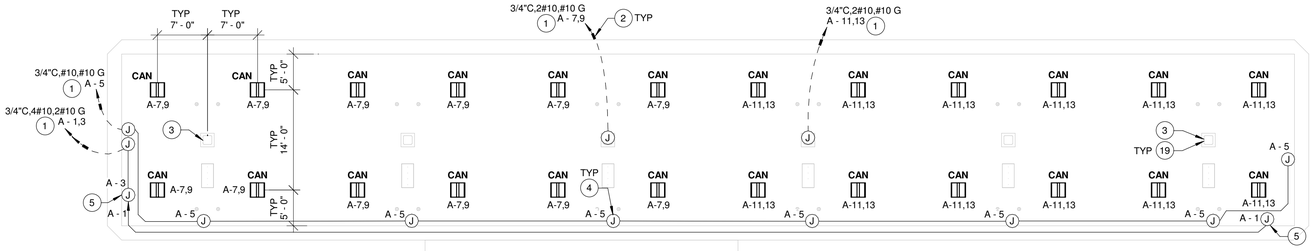
ROUTE CIRCUITRY TO PANELBOARDS AS SHOWN. REFER TO CONVENIENCE STORE ELECTRICAL DRAWINGS FOR PANELBOARD LOCATIONS AND PANEL SCHEDULES.

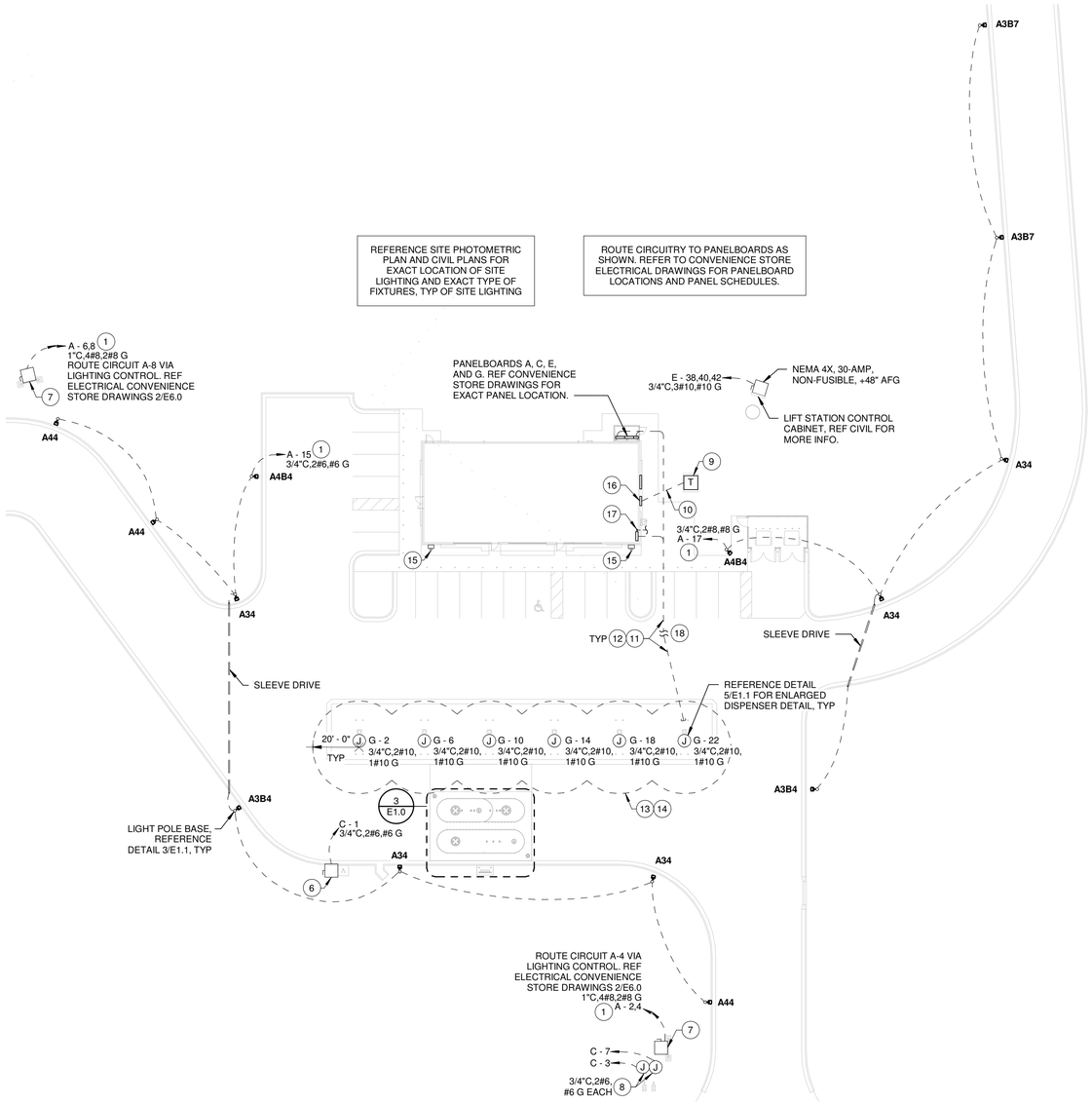


CANOPY LIGHTING PLAN | 2

1" = 10'-0"

REFERENCE SITE PHOTOMETRIC PLAN AND CIVIL PLANS FOR EXACT LOCATION OF SITE LIGHTING AND EXACT TYPE OF FIXTURES, TYP OF SITE LIGHTING

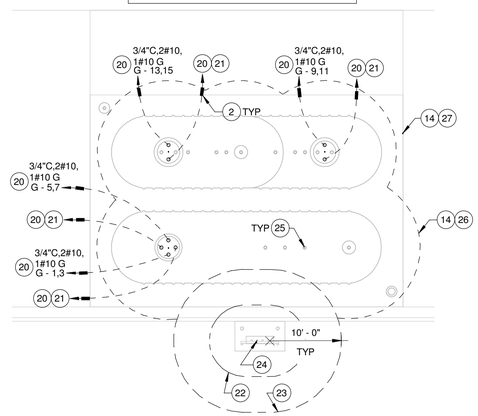
ROUTE CIRCUITRY TO PANELBOARDS AS SHOWN. REFER TO CONVENIENCE STORE ELECTRICAL DRAWINGS FOR PANELBOARD LOCATIONS AND PANEL SCHEDULES.



ELECTRICAL SITE PLAN | 1

1" = 30'-0"

ROUTE CIRCUITRY TO PANELBOARDS AS SHOWN. REFER TO CONVENIENCE STORE ELECTRICAL DRAWINGS FOR PANELBOARD LOCATIONS AND PANEL SCHEDULES.



FUEL TANK ELECTRICAL PLAN | 3

1" = 10'-0"

GENERAL NOTES

1. ALL EXTERIOR DEVICES SHALL BE WEATHERPROOF.
2. ALL FUEL ISLAND CONDUITS SHALL BE ROUTED TO THE RESPECTIVE PANELS AND / OR TO THE FUEL CONTROL PANELS LOCATED IN THE MANAGER'S OFFICE / STORAGE ROOM.
3. PROVIDE EMPTY CONDUITS WITH PULL STRING. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL UTILITY COMPANY FOR THE EXACT LOCATION OF ALL PRIMARY SERVICE EQUIPMENT, TRENCH LOCATIONS, TRANSFORMER LOCATION, METER LOCATION, ETC.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY SECONDARY CONDUITS, POWER TRENCHING, BACKFILL, CONCRETE PADS FOR TRANSFORMERS AND SERVICE EQUIPMENT AND CONDUIT STUBS INTO TRENCH AS REQUIRED BY ELECTRICAL UTILITY COMPANY SPECIFICATIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH TELEPHONE UTILITY COMPANY FOR THE EXACT LOCATION OF ALL PRIMARY SERVICE EQUIPMENT, SERVICE EQUIPMENT, TRENCH LOCATIONS, ETC.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE TRENCHING, BACKFILL AND CONDUIT STUBS INTO TRENCH AS REQUIRED BY TELEPHONE UTILITY COMPANY SPECIFICATIONS.
7. ALL WIRING OUTSIDE SHALL BE A MINIMUM OF #10 COPPER WITH TYPE 'XHHW-2' INSULATION FOR UNDERGROUND CIRCUIT RUN IN PVC. PROVIDE A #10 COPPER BOND IN ADDITION TO CIRCUIT CONDUCTORS.
8. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND COMPLIANCE WITH THE UTILITY COMPANY'S REQUIREMENTS. WITHIN TWO WEEKS AFTER AWARD OF CONTRACT, SUBMIT (2) COMPLETE SETS OFF PLANS, INCLUDING PLOT OF SURVEY, TO UTILITY COMPANY FOR COORDINATION. ROUTING OF INCOMING POWER AND TELEPHONE SERVICE SHOWN ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL ROUTING, CONDUIT, TRENCH AND PAD REQUIREMENTS SHALL BE AS SPECIFIED BY THE UTILITY COMPANY. CONFIRM ALL REQUIREMENTS WITH UTILITIES PRIOR TO INSTALLATION..
9. ALL UNDERGROUND CABLE, PIPE AND CONDUITS SHALL BE DETECTABLE (METALLIC) OR HAVE A DETECTABLE UNDERGROUND DEVICE INSTALLED PER LOCAL CODES.

KEYNOTES

1 SITE LIGHTING CIRCUITS SHALL BE ROUTED VIA 30A ELECTRICALLY HELD LIGHTING CONTACTORS CONTROLLED BY THE 'EPO' SWITCHES AND PHOTOCELL. 'EPO' SWITCHES LOCATED AT THE FUEL CANOPY AND STORE ON THE SITE. REFERENCE CONVENIENCE STORE ELECTRICAL DRAWINGS, DETAIL 2/E6.0.

2 PROVIDE SEAL-OFF FITTINGS AT EACH END OF CONDUIT IN CONJUNCTION WITH / G.V.R. DISPENSER MANUAL. REFERENCE DETAIL 4/E1.1.

3 PROVIDE AND INSTALL WP JUNCTION BOXES IN CANOPY FOR WHITE SPEAKERS. MAKE CONNECTIONS TO CONDUITS PROVIDED IN CANOPY COLUMN.

4 CANOPY EYEBROW LED STRIP LIGHTS. ONE DOUBLE KWIK BOX POWER CONNECTION PER EACH GROUP OF FOUR SECTIONS.

5 WP JUNCTION BOX FOR COMPLETE CONNECTION OF CANOPY SIGN. VERIFY EXACT LOCATION IN FIELD.

6 PROVIDE WEATHERPROOF DISCONNECT SWITCH FOR AIR FILL STATION. VERIFY EXACT LOCATION IN FIELD, AND VERIFY REQUIREMENTS PRIOR TO ROUGH-IN

7 PROVIDE WEATHERPROOF DISCONNECT SWITCH. COORDINATE EXACT CONNECTION AND WIRING REQUIREMENTS WITH SIGN CONTRACTOR AND FINAL SECTION PRIOR TO INSTALLATION. PROVIDE (2) 1" CONDUITS, ONE FOR POWER AND ONE FOR PHONE AND COMMUNICATION.

8 HEAT TRACE TO BE PROVIDED FOR BACKFLOW PREVENTER IN COLD REGION.

9 PROVIDE HOUSEKEEPING PAD FOR POWER CO. PAD MOUNTED TRANSFORMER PER UTILITY COMPANY REQUIREMENTS.

10 REFER TO ONE-LINE DIAGRAM FOR CONDUCTOR AND CONDUIT SIZES. VERIFY WITH POWER COMPANY.

11 FUEL DISPENSER CONDUITS FOR POWER, INTERCOM, CRIND DATA AND SENSORS. REFERENCE DETAIL 5/E1.1, 6/E1.1 AND FUEL SYSTEM VENDOR DRAWINGS.

12 (1) 3/4" CONDUIT AND (3) 1" CONDUITS FROM ELECTRICAL PANELS TO CLOSEST CANOPY COLUMN. ROUTE CONDUITS UP TO CANOPY DECK FOR SPEAKER/SECURITY CAMERA CONNECTIONS. PROVIDE PULL STRINGS IN ALL CONDUITS. REFERENCE ELECTRICAL VENDOR DRAWINGS FOR CONDUIT ENTRANCE LOCATIONS IN PANELS.

13 CLASS 1 DIVISION 2 HAZARDOUS AREA: OUTDOOR DISPENSING DEVICE: UP TO 18" OF DISPENSER ENCLOSURE, EXTENDING 20 FT, HORIZONTALLY IN ALL DIRECTIONS FROM DISPENSER ENCLOSURE. PER NEC TABLE 514.3(8)(1).

14 ALL WIRING IN THIS AREA INCLUDING BELOW GRADE SHALL BE INSTALLED IN RIGID CONDUIT PER NEC ARTICLE 514.8. HOWEVER, PER NEC 514.8 EXCEPTION 2, NONMETALLIC RIGID CONDUIT (PVC) HAVING A MINIMUM OF 24" OF GROUND COVER IS ALLOWED. IN ADDITION, THREADED RIGID METAL CONDUIT OR THREADED STEEL INTERMEDIATE METAL CONDUIT SHALL BE USED FOR THE LAST 2 FEET OF THE UNDERGROUND RUN TO EMERGENCE OR TO THE POINT OF CONNECTION TO THE ABOVE GROUND RACEWAY, AND AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INCLUDED. PROVIDE ALL EXPLOSION PROOF FITTINGS AND SEALS NECESSARY TO COMPLETE CONDUIT SYSTEMS. NO SUBSTITUTIONS SHALL BE MADE UNLESS APPROVED BY THE AUTHORITY HAVING JURISDICTION. PROVIDE EXPLOSION PROOF JUNCTION BOXES (CROUSE HINDS) MODEL GUP215 WITH 0302 'O' RING OR OWNER APPROVED EQUAL.

15 "EMERGENCY POWER OFF" SWITCH PER NEC ARTICLE 514.11. PROVIDE SIGNAGE PER IFC SECTION 2205 (VERIFY EXACT LOCATION WITH CIRCLE 'K' CONSTRUCTION MANAGER). ROUTE (1) 3/4" EMPTY CONDUIT WITH PULL STRING FROM EPO SWITCH TO SWITCHGEAR PANEL DP FUEL CONTROLS SECTION. REFERENCE ELECTRICAL VENDOR DRAWINGS FOR EXACT PANEL SECTION CONDUIT STUB UP LOCATION.

16 UTILITY SERVICE ENTRANCE EQUIPMENT PER UTILITY REQUIREMENTS.

17 (2) 4" EMPTY CONDUITS FOR TELEPHONE SERVICE. VERIFY EXACT QUANTITY AND SIZE WITH SERVING TELEPHONE COMPANY.

18 STORE ELECTRICIAN SHALL ROUGH IN CONDUIT AT ELECTRICAL ROOM AND RUN TO PETROLEUM ELECTRICIAN'S POINT OF INTERCEPTION 30 FEET FROM FRONT OF STORE. PETROLEUM ELECTRICIAN SHALL INTERCEPT CONDUIT AND COMPLETE RUNS TO DISPENSERS, CANOPY AND FUEL TANKS. PETROLEUM ELECTRICIAN SHALL FURNISH AND INSTALL ALL WIRING. REFERENCE FUEL SYSTEM VENDOR DRAWINGS FOR ALL REQUIRED CONDUIT, WIRE AND CIRCUITRY.

19 CANOPY COLUMN GROUNDING: REFERENCE DETAILS 1 & 2/E1.1.

20 3/4" CONDUIT FOR POWER/STP CONTROL. REFERENCE DETAIL 1/E1.0 FOR POWER CIRCUIT DESIGNATION, CONDUIT AND WIRE SIZE. PROVIDE 4#12 THWN2 FOR STP AUTHORIZATION. VERIFY STP AUTHORIZATION CONDUCTOR QUANTITY, SIZE AND TYPE PER DISPENSER WITH FUEL VENDOR DRAWINGS.

21 3/4" CONDUIT FOR TANK MOTION SENSORS. INSTALL CONDUIT TO SUMP AND INTERSTITIAL SENSORS AT TANKS. REFERENCE FUEL SYSTEM VENDOR DRAWINGS FOR CONDUCTORS TO BE INSTALLED TO SENSORS.

22 CLASS 1 DIVISION 1 HAZARDOUS AREA: UNDERGROUND TANK VENT: WITHIN 5 FT. OF OPEN END OF VENT, EXTENDING IN ALL DIRECTIONS. PER NEC TABLE 514.3(B)(1).

23 CLASS 1 DIVISION 2 HAZARDOUS AREA: UNDERGROUND TANK VENT: BETWEEN 5 FT. AND 10 FT. OF OPEN END OF VENT, EXTENDING IN ALL DIRECTIONS. PER NEC TABLE 514.3(B)(1).

24 VENT RISERS FROM TANKS.

25 TANK FILL STATION.

26 CLASS 1 DIVISION 2 HAZARDOUS AREA: UNDERGROUND TANK FILL OPENING: UP TO 18" ABOVE GRADE LEVEL, EXTENDING 5 FT. HORIZONTALLY IN ALL DIRECTIONS FROM ANY LOOSE-FILL CONNECTION. PER NEC TABLE 514.3(B)(1).

27 CLASS 1 DIVISION 1 HAZARDOUS AREA: UNDERGROUND TANK: INSIDE TANK - ENTIRE INSIDE VOLUME. FILL OPENING - ENTIRE SPACE WITHIN ANY PIT OR BOX BELOW GRADE LEVEL. PER NEC TABLE 514.3(B)(1).

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DESIGNED BY: CGG

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△	ISSUE	DATE
	OTP	08/20/26

NORTH CAROLINA PROFESSIONAL SEAL 036972 ENGINEER JASON C. ADAMS
Aug 20, 2026

PROFESSIONAL IN CHARGE
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PROJECT MANAGER
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QUALITY CONTROL
SAG

DRAWN BY
CGG

PROJECT NAME

CIRCLE K STORES, INC.

ERWIN, NC

92 E. JACKSON BLVD.,
ERWIN, NC 28339

PROTOCYCLE # R0 03/07/25

CIRCLE K STORES, INC.

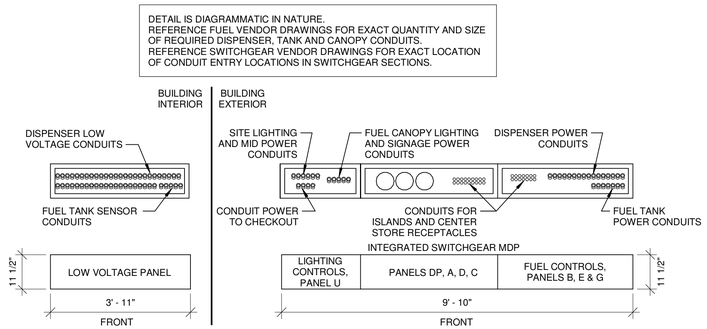
PROJECT NUMBER: 25330

ELECTRICAL SITE PLAN

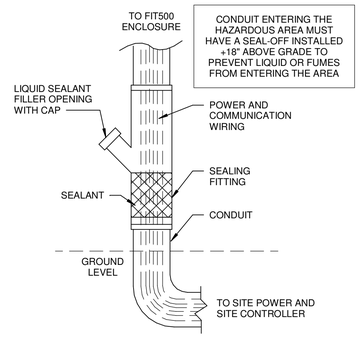
E1.0

KEYNOTES

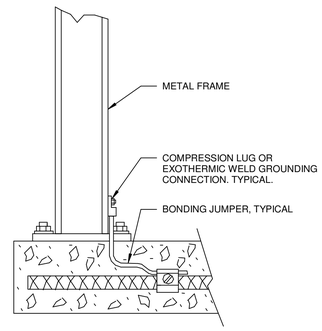
1. PROVIDE SEAL-OFF FITTINGS AT EACH END OF CONDUIT IN CONJUNCTION WITH / G.V.R. DISPENSER MANUAL. REFERENCE DETAIL 4/E1.1.
2. 3/4" CONDUIT FOR POWER/STP CONTROL. REFERENCE DETAIL 1/E1.0 FOR POWER CIRCUIT DESIGNATION, CONDUIT AND WIRE SIZE. PROVIDE 4#12 THWN2 FOR STP AUTHORIZATION. VERIFY STP AUTHORIZATION CONDUCTOR QUANTITY, SIZE AND TYPE PER DISPENSER WITH FUEL VENDOR DRAWINGS.
3. 3/4" CONDUIT FOR DISPENSER MONITORING SENSOR IN DISPENSER SUMP. REFERENCE FUEL SYSTEM VENDOR DRAWINGS FOR QUANTITY AND TYPE OF CONDUCTORS TO BE INSTALLED.
4. 3/4" CONDUIT TO SWITCHGEAR LOW VOLTAGE SECTION FOR DISPENSER INTERCOM. REFERENCE FUEL SYSTEM VENDOR DRAWINGS FOR QUANTITY AND TYPE OF CONDUCTORS TO BE INSTALLED PER DISPENSER.
5. 3/4" CONDUIT FOR CRIND DATA. REFERENCE FUEL SYSTEM VENDOR DRAWINGS FOR QUANTITY AND TYPE OF CONDUCTORS TO BE INSTALLED PER DISPENSER.



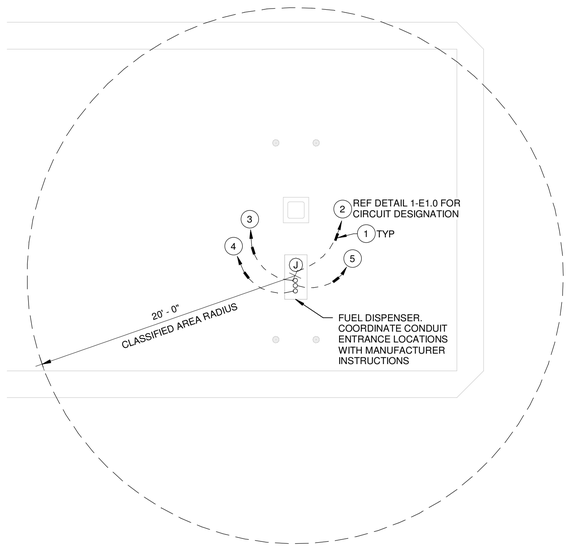
SITE FUEL EQUIPMENT CONDUIT ROUGH-IN | 6
1/2" = 1'-0"



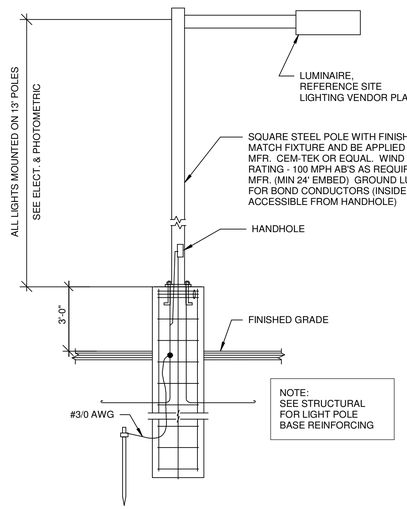
SEAL OFF DETAIL | 4
N.T.S.



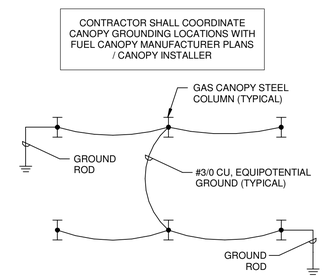
CANOPY GROUNDING | 2
N.T.S.



FUEL DISPENSER ENLARGED | 5
3/16" = 1'-0"



LIGHT POLE BASE | 3
N.T.S.



CANOPY GROUNDING DETAIL | 1
N.T.S.

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REVISIONS

△	ISSUE	DATE
	OTP	08/20/26

NORTH CAROLINA PROFESSIONAL SEAL 036972 ENGINEER JASON C. ADAMS
Aug 20, 2026

PROFESSIONAL IN CHARGE
JCA

PROJECT MANAGER
SAG

QUALITY CONTROL
SAG

DRAWN BY
CGG

PROJECT NAME

CIRCLE K STORES, INC.

ERWIN, NC

92 E. JACKSON BLVD.,
ERWIN, NC 28339

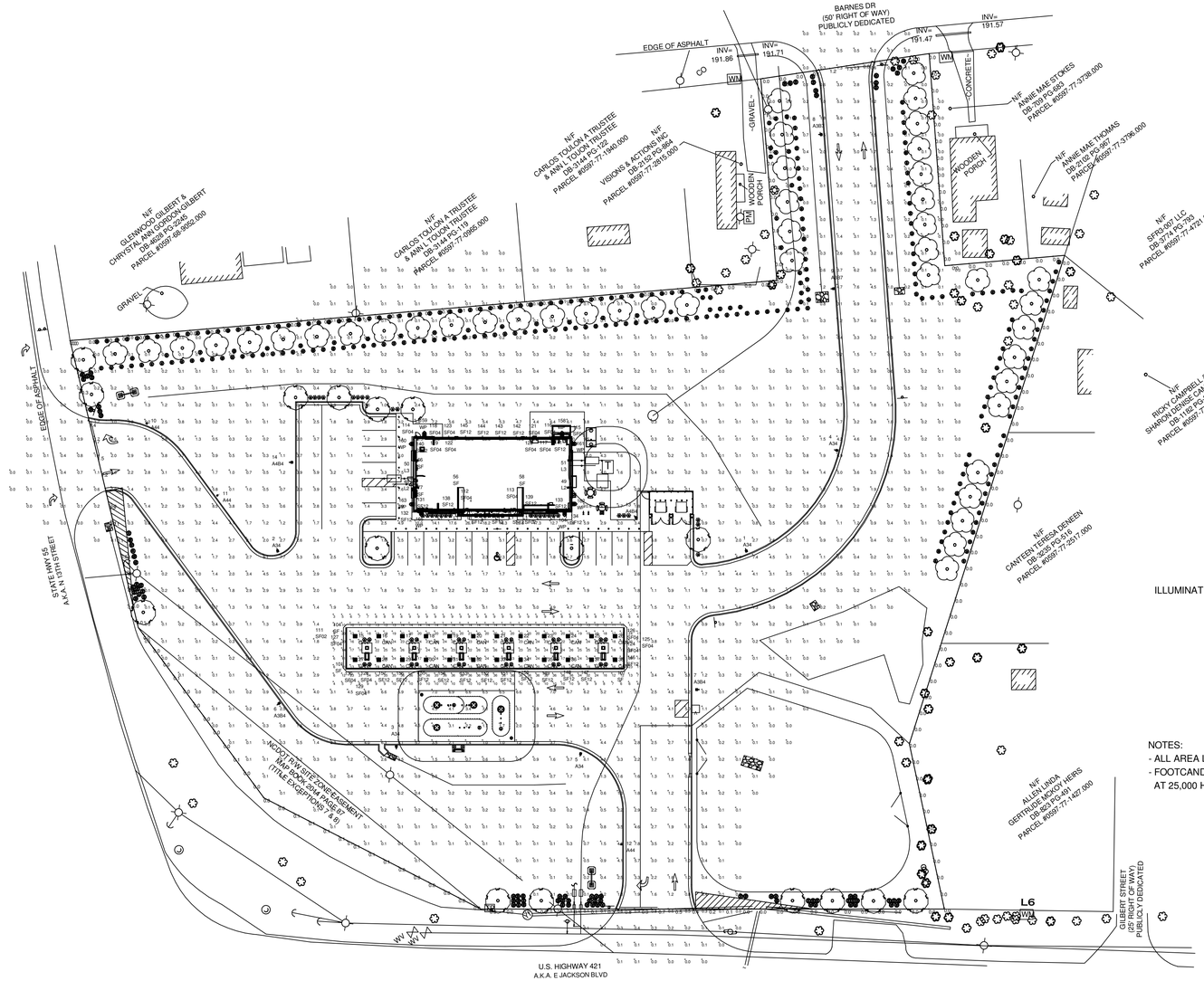
PROTOCYCLE # R0 03/07/25

CIRCLE K STORES, INC.

PROJECT NUMBER: 25330

ELECTRICAL SITE PLAN DETAILS

E1.1



ILLUMINATION LEVELS ARE THE RESULT OF CONDITIONS OR REQUESTS BY OTHERS
RED LEONARD ASSOCIATES IS NOT RESPONSIBLE
FOR INCIDENTS CAUSED BY INSUFFICIENT LIGHTING
AND DOES NOT RECOMMEND THESE LEVELS FOR
SECURITY AND SAFETY REASONS

THIS SITE IS LOCATED IN A REGION WHERE LIGHTING
IS REGULATED BY LOCAL ORDINANCES

NOTES:
- ALL AREA LIGHTS ON NEW 13 FT. POLE MOUNTED ON 3 FT. CONCRETE BASE
- FOOTCANDLE LEVELS CALCULATED AT GRADE USING MAINTAINED LUMEN VALUES AT 25,000 HOURS UNLESS NOTED OTHERWISE.

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1-5	A34	16
6-7	A3B4	16
8-9	A3B7	16
10-12	A44	16
13-14	A4B4	16
15-38	CAN	15.5
39-47	L1	12
48-49	L2	12.463
50-51	L3	12.463
52-55	SF	19.672
56-59	SF	21.699
60-73	SF	19.672
74-76	SF	18.199
77-100	SF	19.672
101-109	SF	18.5
110	SF02	21.699
111	SF02	18.5
112-113	SF04	21.699
114-119	SF04	19.672
120-123	SF04	18.199
124-130	SF04	18.5
131-134	SF12	19.672
135-139	SF12	21.699
140-141	SF12	19.672
142-145	SF12	18.199
146-157	SF12	18.5
158-165	WP	14.5

CALCULATION SUMMARY					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
CANOPY	17.73	36	3	5.91	12.00
PAVED AREA	2.86	8.5	0.6	4.77	14.17
PROPERTY LINE	0.10	1.7	0.0	N.A.	N.A.
UNDEFINED	0.90	26.3	0.0	N.A.	N.A.

LUMINAIRE SCHEDULE											
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	DIMMING LUMEN MULTIPLIER	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	5	A34	Single	17202	0.959	0.620	B3-U0-G3	61.5978	307.989	Lithonia Lighting	RSX2 LED P2 50K R3 MVOLT SPA FAO (SETTING 4)
	2	A3B4	Single	12072	0.959	0.620	B1-U0-G2	61.5978	123.196	Lithonia Lighting	RSX2 LED P2 50K R3 MVOLT SPA HS FAO (SETTING 4)
	2	A3B7	Single	12072	0.959	0.950	B1-U0-G2	106.0851	212.17	Lithonia Lighting	RSX2 LED P2 50K R3 MVOLT SPA HS FAO (SETTING 7)
	3	A44	Single	17427	0.959	0.620	B2-U0-G3	61.5978	184.793	Lithonia Lighting	RSX2 LED P2 50K R4 MVOLT SPA FAO (SETTING 4)
	2	A4B4	Single	11453	0.959	0.620	B1-U0-G2	61.5978	123.196	Lithonia Lighting	RSX2 LED P2 50K R4 MVOLT SPA HS FAO (SETTING 4)
	24	CAN	Single	6337	0.959	1.000	B2-U0-G1	38.54	924.96	Lithonia Lighting	PCNY LED ALO2 SWW2 (50K) FPCL MVOLT (SW. POS. 2)
	9	L1	SINGLE	2238	0.959	1.000	N.A.	25.15	226.35	Lithonia Lighting	LBR6 ALO2 20LM SWW1 (4000K) AR LSS MWD 90CRI
	2	L2	Single	4570	1.000	1.000	N.A.	54.9	109.8	P-LED	M-SX024-40 (15 FT)
	2	L3	Single	3656	1.000	1.000	N.A.	43.92	87.84	P-LED	M-SX024-40 (12 FT)
	58	SF	Single	110	1.000	1.000	N.A.	1.04	60.32	P-LED	PL-OP2-PD324-P-NW
	2	SF02	SF 2FT	110	1.000	1.000	N.A.	1.04	16.64	P-LED	PL-OP2-PD324-P-NW
	19	SF04	SF 4FT	110	1.000	1.000	N.A.	1.04	276.64	P-LED	PL-OP2-PD324-P-NW
	27	SF12	SF 12FT_1	110	1.000	1.000	N.A.	1.04	1235.52	P-LED	PL-OP2-PD324-P-NW
	8	WP	SINGLE	1587	0.959	1.000	B0-U0-G1	10.6112	84.89	Lithonia Lighting	ARC2 LED P1 40K MVOLT

ELECTRICAL SITE PHOTOMETRIC PLAN | 1
N.T.S.

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PROFESSIONAL IN CHARGE
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PROJECT NAME

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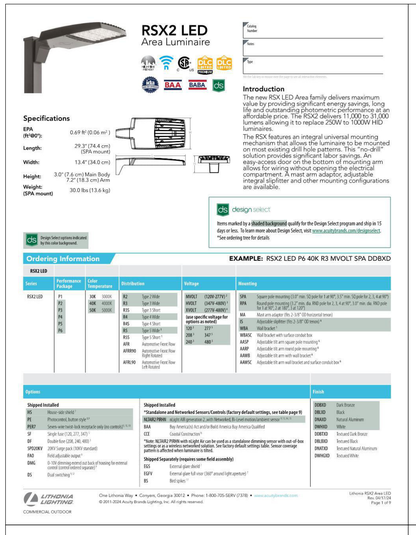
PROTOCYCLE # R0 03/07/25

CIRCLE K STORES, INC.

PROJECT NUMBER: 25330

ELECTRICAL SITE PHOTOMETRIC PLAN

E1.2



RSX2 LED
Area Luminaire

Catalog Number
Notes
Type

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 arm, tenon adapter and other mounting configurations are available.

Specifications

EPA (N*WA*):	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)

design select

Items marked by a shaded background qualify for the Design Select program and ship in 12 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

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [1]	SPA Square pole mounting (3.5" 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	AVOLT (347V-480V) [1]	RPA Round pole mounting (3.5" min. dia. RND pole for 1, 3, 4 at 90°, 3.5" min. dia. RND pole for 2 at 180°) [2,3]
	P3	50K 5000K	R5 Type 5 Short	XVOLT (277V-480V) [1]	WBA Wall bracket (fits 3-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	Use specific voltage for options as noted)	SF Square pole universal mounting [4]
	P5		R4S Type 4 Short	120 120V [1]	MSA Wall bracket
	P6		R5S Type 5 Short	208 208V [1]	MSSC Wall bracket with surface conduit box
			R55 Type 5 Short*	240 240V [1]	AASP Adjustable tilt arm square pole mounting [4]
			AFR Automotive Front Row (Left Housing)	277 277V [1]	AARP Adjustable tilt arm round pole mounting [4]
			AFRDRS Automotive Front Row (Left Housing)	347 347V [1,4]	AAWB Adjustable tilt arm with wall bracket [4]
			ARR/RS Automotive Front Row (Left Housing)	480 480V [1,4]	AAWSC Adjustable tilt arm wall bracket and surface conduit box [4]

*Add "S" to the end of the catalog number for individual unit pack or "M" for packs of 6 units for catalog numbers which do not include P2

Options	Finish
Shipped Installed	DDBXD Dark Bronze
BS Blower-style shield	DBLXD Black
PE Photocontrol, button-type [5]	DNAXD Natural Aluminum
PER7 Seven-wire twist-lock receptacle only (no controls) [5,6,7]	DWHXD White
SF Single fuse (120, 277, 347)	DSSTXD Textured Dark Bronze
DF Double fuse (208, 240, 480)	DBLBXD Textured Black
SPD20KV 20KV surge pack (10KV standard)	DNATXD Textured Natural Aluminum
FAO Field adjustable output [8]	DWHGXD Textured White
DMG 0-10V dimming wires) out of back of housing for external control (control ordered separate)	
BS Shall switching [9]	

Shipped Installed
***Standalone and Networked Sensors/Controls (Factory default settings, see table page 9)**
NLTAIR2 PIRHN Acuity nLight wireless, 7' mtg ht, bi-level motion/ambient sensor [10,11,12,13]
RAA Bzg Amerisync Kit and In-Built Amerisync Ready
CCE Standard Cooper fixture

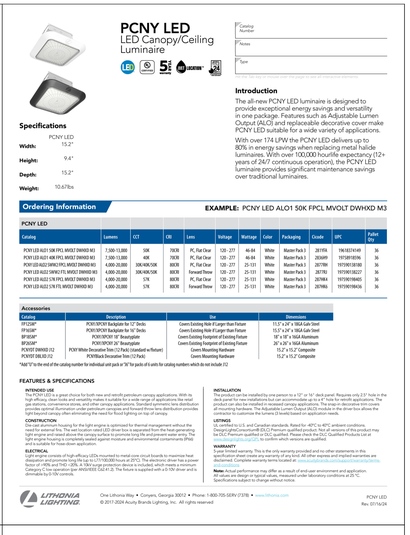
*Note: RLTAIR2 PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires same finish assembly)
EGS External gear shield
EGFV External gear full visor (360° around light aperture)
BS Bird spikes

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Lithonia RSX2 Area LED
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PCNY LED
LED Canopy/Ceiling Luminaire

Catalog Number
Notes
Type

Introduction

The all-new PCNY LED luminaire is designed to provide exceptional energy savings and versatility in one package. Features such as Adjustable Lumen Output (ALO) and replaceable decorative cover make PCNY LED suitable for a wide variety of applications.

With over 174 LPW the PCNY LED delivers up to 80% in energy savings when replacing metal halide luminaires. With over 100,000 hourlife expectancy (12+ years of 24/7 continuous operation), the PCNY LED luminaire provides significant maintenance savings over traditional luminaires.

Specifications

PCNY LED

Width:	15.2"
Height:	9.4"
Depth:	15.2"
Weight:	10.67lbs

Ordering Information

EXAMPLE: PCNY LED ALO1 50K FPCL MVOLT DWHXD M3

PCNY LED

Catalog	Lumens	CCT	CRI	Lens	Voltage	Wattage	Color	Packaging	Cxcode	UPC	Pallet Qty
PCNY LED ALO1 50K FPCL MVOLT DWHXD M3	7,500-13,000	50K	70CRI	PC, Flat Clear	120 - 277	46-84	White	Master Pack 3	281978	196183774181	36
PCNY LED ALO1 40K FPCL MVOLT DWHXD M3	7,500-13,000	40K	70CRI	PC, Flat Clear	120 - 277	46-84	White	Master Pack 3	2836499	197589181896	36
PCNY LED ALO2 30K(27K) FPCL MVOLT DWHXD M3	4,000-20,000	30K/40K/50K	80CRI	PC, Flat Clear	120 - 277	25-131	White	Master Pack 3	2837789	197589130180	36
PCNY LED ALO3 30K(27K) FTL MVOLT DWHXD M3	4,000-20,000	30K/40K/50K	80CRI	Forward Throw	120 - 277	25-131	White	Master Pack 3	2837781	197590138227	36
PCNY LED ALO2 57K FPCL MVOLT DWHXD M3	4,000-20,000	57K	80CRI	PC, Flat Clear	120 - 277	25-131	White	Master Pack 3	2839854	197590194455	36
PCNY LED ALO3 57K FTL MVOLT DWHXD M3	4,000-20,000	57K	80CRI	Forward Throw	120 - 277	25-131	White	Master Pack 3	2839765	197590198436	36

Accessories

Catalog	Description	Use	Dimensions
FP12SW*	PCNY/PCNY Backplate for 12" Decks	Covers Existing Hole if Larger than Fixture	15.5" x 24" x 18GA Galv Steel
FP16SW*	PCNY/PCNY Backplate for 16" Decks	Covers Existing Hole if Larger than Fixture	15.5" x 24" x 18GA Galv Steel
BP16SW*	PCNY/PCNY 16" Beautyplate	Covers Existing Footprint of Existing Fixture	18" x 18" x 16GA Aluminum
BP26SW*	PCNY/PCNY 26" Beautyplate	Covers Existing Footprint of Existing Fixture	26" x 26" x 16GA Aluminum
PCNYST DWHXD F12	PCNY White Decorative Trim (12 Pack) (standard w/ Fixture)	Covers Mounting Hardware	15.2" x 15.2" Composite
PCNYST DDBLXD F12	PCNYBlack Decorative Trim (12 Pack)	Covers Mounting Hardware	15.2" x 15.2" Composite

*Add "12" to the end of the catalog number for individual unit pack or "36" for packs of 6 units for catalog numbers which do not include F12

FEATURES & SPECIFICATIONS

INTENDED USE
The PCNY LED is a great choice for both new and retrofit petroleum canopy applications. With its 80CRI, 5000K CCT and over 174 LPW, the PCNY LED delivers bright, uniform illumination for gas stations, convenience stores, and other canopy applications. Standard symmetric lens distribution provides optimal illumination under petroleum canopies and forward throw lens distribution provides light beyond canopy often eliminating the need for flood lighting on top of canopy.

CONSTRUCTION
Rugged, one piece housing for the right amount of thermal management without the need for external fins. The wet location rated LED driver box is separated from the heat-generating light engine and raised above the canopy surface to promote long life and prevent water entry. The PCNY LED is finished with a tough, durable TGIC polyester powder paint for superior outdoor and environmental corrosion resistance and is suitable for hose down application.

ELECTRICAL
Light engine consists of high efficacy LEDs mounted to metal core circuit boards to maximize heat dissipation and promote long life (up to L70 100,000 hours at 25°C). The electronic driver has a power factor of >90% and THD <20%. A 10kV surge protection device is included, which meets a minimum Category C Low operating level per ANSI/IEEE C62.41.2. The fixture is supplied with a 0-10V driver and is dimmable by 0-10V controls.

INSTALLATION
The product can be installed by one person to a 12" or 16" deck panel. Requires only 2.5" hole in the deck panel for wiring. Universal mounting bracket fits 3" to 6" square or round poles. The product can also be installed in recessed canopy applications. The snap-in decorative trim covers all mounting hardware. The Adjustable Lumen Output (ALO) module in the driver box allows the contractor to customize the lumens (3 levels) based on application needs.

LISTINGS
CSA certified to U.S. and Canadian standards. Rated for -40°C to 40°C ambient conditions. DesignLights Consortium® (DLC) Premium 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. This is the only warranty provided and no other statements in this specification sheet create warranties of any kind. All other warranties, express or implied, are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranties.

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.

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PCNY LED
Rev. 07/16/24

POD 3-24V™
M-SFPT3-XX-24

Street Fighter™

POD 3 OPTIONS

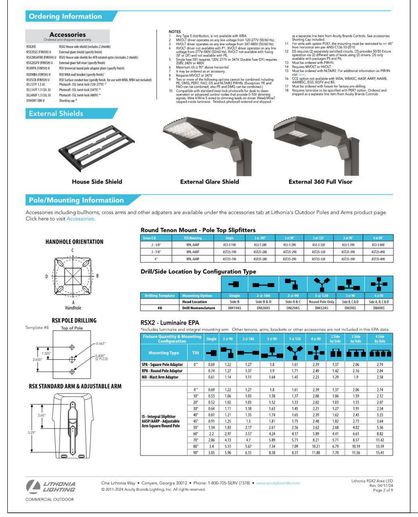
CCT/WAVELENGTH	SKU	Efficacy (TYP)	Intensity	UL Part Number
5000K	M-SFPT3-50-24	106 LM/W	110 LM/mod (3in LM/ft.)	PL-OP2-PD324-P-NW
6800K	M-SFPT3-68-24	106 LM/W	110 LM/mod (3in LM/ft.)	PL-OP2-PD324-P-SW

SPECIFICATIONS

Beam Angle	30° x 15°	Packaging	Per Bag: 88 Mods (24.58ft.)
Certifications	UL & cUL Recognized (SAM Manual), CE, RoHs		Per Case: 968 mods (12.465ft.)
Dimensions	0.91"W x 1.73"L x 0.46"H	Bag Color	Green/Green & White
Mounting Options	Peel & Stick, Mechanical Screw Hole	Power	1.04 W/mod (3.58ft.)
Input	24V	Max Mods per Power Supply	88
Operating Temp	-25° to +65°C	Power Supply	PLED 24V
Wire Color	+ White Stripe & - White/Black Stripe	Mods per Foot	3.58
Max Mods in Series	44 mods	Module on Center Spacing	3.35"

PRINCIPAL LED
WE SPEAK SIGN LANGUAGE

Principal LED | We Speak Sign Language
www.p-led.com | 325.227.4577 | sales@p-led.com



Ordering Information

Accessories
Ordered and shipped separately.

RSA2S	RSX2 House-side shield (includes 2 shields)
RSX2EGS (FINISH)	External glare shield (specify finish)
RSX2EGSFV (FINISH)	RSX2 House-side shield, for 40ft mounted optics (includes 2 shields)
RSX2EGFV (FINISH)	External glare full visor (360° around light aperture)
RSXSPA (FINISH)	RSX External arm/mast arm adapter plate (specify finish)
RSXRPA (FINISH)	RSX External arm/mast arm adapter plate (specify finish)
RSXWBA (FINISH)	RSX Wall bracket (specify finish)
RSXSTC (FINISH)	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
BLCSTT 120	Photocell - SSL twist-lock (120-277V) [1]
BLCSTT 347 480	Photocell - SSL twist-lock (347-480V) [1]
BLANKP 1 FOR 20	Photocell - SSL twist-lock (480V) [1]
DSHORT SBK U	Shorting cap [1]

NOTES
1. Type 5 distribution, is not available with NRA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. XVOLT driver operates on any line voltage from 277-480V (50/60 Hz). Not available with Emergency battery backup.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum 4 in 90° Arrays (Quad).
7. Not to be ordered as an accessory.
8. Requires 0-10V dimming.
9. Turns on one of the PCNY luminaires connected to the circuit when power is applied. Requires a minimum of 2 PCNY luminaires. Maximum 10 PCNY luminaires can be combined. (ex. PE and DMG can be combined).
10. Sensor is factory set to 30 fc and 30 min. delay. Sensor is not for use in luminaires or ambient which make that ambient 0-10V dimming signals. Only Lithonia Control 20 zero-switching leads on sensor should be used. Terminate all unused control leads on sensor. Terminate all unused control leads on sensor. Terminate all unused control leads on sensor.
11. Sensor is factory set to 30 fc and 30 min. delay. Sensor is not for use in luminaires or ambient which make that ambient 0-10V dimming signals. Only Lithonia Control 20 zero-switching leads on sensor should be used. Terminate all unused control leads on sensor. Terminate all unused control leads on sensor.
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13. Sensor is factory set to 30 fc and 30 min. delay. Sensor is not for use in luminaires or ambient which make that ambient 0-10V dimming signals. Only Lithonia Control 20 zero-switching leads on sensor should be used. Terminate all unused control leads on sensor. Terminate all unused control leads on sensor.

External Shields

House Side Shield | External Glare Shield | External 360 Full Visor

Pole/Mounting Information

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

HANDHOLE ORIENTATION

Handhole

RSX POLE DRILLING

Template #8 — Top of Pole

RSX STANDARD ARM & ADJUSTABLE ARM

Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	Min. Pole Size	1 at 120°	2 at 180°	3 at 120°	4 at 90°	5 at 90°
2 3/8"	4in. wall	AS3 C190	AS3 C280	AS3 C285	AS3 C320	AS3 C390
2 7/8"	5in. wall	AS5 C190	AS5 C280	AS5 C285	AS5 C320	AS5 C390
4"	6in. wall	AS7C190	AS7C280	AS7C285	AS7C320	AS7C390

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Square	1 @ 0 deg.	2 @ 180 deg.	3 @ 120 deg.	4 @ 90 deg.	5 @ 90 deg.
	Round Location	Side N	Side N & S	Side N & E	Round Pole Only	Side E, S & W	Side N, E, S & W
DM	Drill Pattern Reference	DM19AS	DM29AS	DM29AS	DM32AS	DM32AS	DM39AS

RSX2 - Luminaire EPA

Not to exceed maximum area of mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 at 180	2 at 90	3 at 120	4 at 90	4 at 90 Flat	5 at 90	5 at 90 Flat
Mounting Type	**Tilt**								
SPA - Square Pole Adaptor	0°	0.69	1.22	1.27	1.8	1.61	2.29	1.37	2.86	2.29
RPA - Round Pole Adaptor	10°	0.72	1.26	1.32	1.87	1.67	2.38	1.42	2.97	2.38
RA - Rect Arm Adaptor		0.81	1.4	1.51	1.64	1.85	2.23	1.58	2.8	2.38
	0°	0.69	1.22	1.27	1.8	1.61	2.29	1.37	2.86	2.29
	10°	0.72	1.26	1.32	1.87	1.67	2.38	1.42	2.97	2.38
	20°	0.72	1.32	1.39	1.96	1.75	2.49	1.49	3.11	2.49
	30°	0.64	1.17	1.18	1.63	1.45	2.21	1.27	2.81	2.24
	40°	0.61	1.21	1.35	1.74	1.65	2.39	1.42	2.92	2.32
	45°	0.59	1.23	1.5	1.81	1.79	2.48	1.82	2.72	2.44
	50°	0.57	1.24	1.64	1.87	1.93	2.57	2.23	2.51	2.56
	60°	1.29	2.49	3.27	4.24	4.19	5.88	4.64	5.82	5.82
	70°	2.86	4.93	4.7	5.89	5.75	8.21	5.75	8.27	11.42
	80°	5.4	5.13	5.07	7.14	7.09	10.21	6.79	10.19	13.59
	90°	5.85	5.96	6.55	8.58	8.35	12.88	7.78	11.56	15.45

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Photometric Diagrams Full photometric data report available within 2 weeks from request. Contact Acuity Tech Support.

Isofootcandle — Distance in units of mount height (20ft) — 82% Max Cd — Flat Clear Lens

Isofootcandle — Distance in units of mount height (20ft) — Max Cd — Forward Throw Lens

Performance Data

Ambient Temp	Lumen Multiplier
0° C	32° F	1.04
10° C	50° F	1.03
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.98

Predicted Lumen Maintenance			
0 Hrs.	25,000 Hrs.	50,000 Hrs.	100,000 Hrs.
100%	94%	88%	77%

		Current		
Lumen Setting	Watts	120V	240V	277V
ALO1-3	84	0.711	0.368	0.332
ALO1-2	62	0.528	0.275	0.259
ALO1-1	46	0.392	0.214	0.211
ALO2-7	128	1.103	0.578	0.497
ALO2-6	100	0.849	0.456	0.399
ALO2-5	80	0.677	0.372	0.332
ALO2-4	59	0.519	0.299	0.272
ALO2-3	50	0.429	0.257	0.239
ALO2-2	39	0.333	0.214	0.202
ALO2-1	25	0.247	0.176	0.178

Lumen Output Flat Polycarbonate Clear Lens (FPCL)

Performance Package	Setting	System Watts	30K (3000K, 80 CRI)		40K (4000K, 80 CRI)		50K (5000K, 80 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
ALO1	3	84	13,150	156	13,634	162	13,552	161
ALO1	2	62	9,367	149	9,727	157	9,675	155
ALO1	1	46	7,031	153	7,389	161	7,321	155
ALO2	7	128	19,969	156	21,236	166	20,964	164
ALO2	6	100	15,695	157	16,638	166	16,470	165
ALO2	5	80	12,603	158	13,291	166	13,439	168
ALO2	4	59	9,699	164	10,128	172	10,023	170
ALO2	3	50	7,925	159	8,257	165	8,388	168
ALO2	2	39	6,016	154	6,226	160	6,391	164
ALO2	1	25	4,238	169	4,358	174	3,889	156

Lumen Output Forward Throw Lens (FTL)

Performance Package	Setting	System Watts	30K (3000K, 80 CRI)		40K (4000K, 80 CRI)		50K (5000K, 80 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
ALO2	7	131	19,509	149	20,953	160	20,813	159
ALO2	6	100	15,370	154	16,387	164	16,436	164
ALO2	5	80	12,322	154	13,038	163	13,103	164
ALO2	4	61	9,479	155	9,943	163	10,099	166
ALO2	3	50	7,741	155	8,077	162	8,221	165
ALO2	2	38	5,876	154	6,101	160	6,258	164
ALO2	1	28	4,146	148	4,277	153	4,413	158

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PCNY LED
Rev. 07/16/24

TYPE "A34", "A3B4", "A3B7", "A44", & "A4B4" LIGHT FIXTURES

TYPE "CAN" LIGHT FIXTURE

TYPE "SF", "SF02", "SF04" & "SF12" LIGHT FIXTURES

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REVISIONS

△ ISSUE	DATE
OTP	08/20/26

PROFESSIONAL IN CHARGE
JCA
PROJECT MANAGER
SAG
QUALITY CONTROL
SAG
DRAWN BY
CGG

PROJECT NAME

CIRCLE K STORES, INC.

ERWIN, NC

92 E. JACKSON BLVD.,
ERWIN, NC 28339

PROTOCYCLE # R0 03/07/25

CIRCLE K STORES, INC.

PROJECT NUMBER: 25330

EXTERIOR LIGHT FIXTURE CUT SHEETS

E1.3