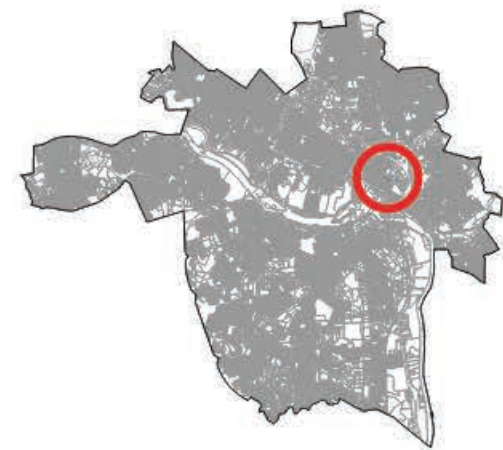
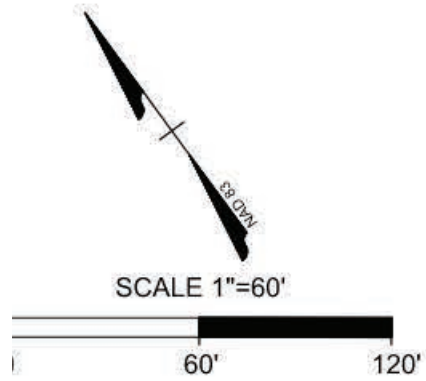
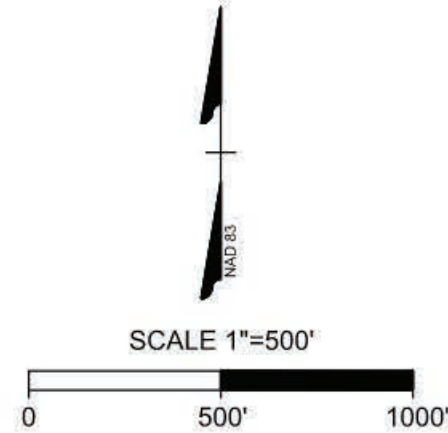


SITE PLAN



KEY PLAN



VACINITY MAP

# CITY OF RICHMOND GATEWAY BEAUTIFICATION

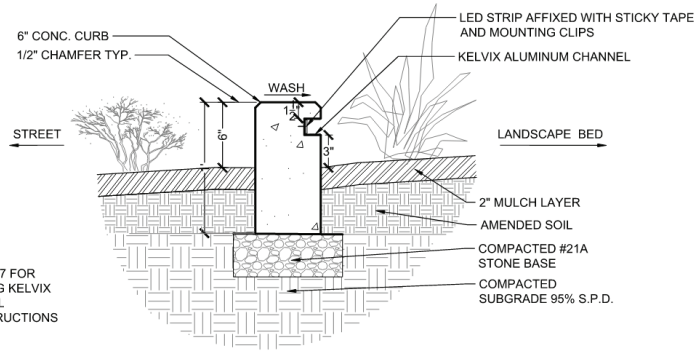
## BROAD STREET LIGHTING CONCEPTS



CITY OF  
**RICHMOND,  
VIRGINIA**







NOTE: REFER TO L9.7 FOR DETAILS REGARDING KELVIX ALUMINUM CHANNEL INSTALLATION INSTRUCTIONS

1 CONCRETE CURB WITH CHANNEL

Submitted by Lighting Virginia-Central	<b>Job Name:</b> BROAD STREET MEDIAN	<b>Catalog Number:</b> RGBW-3-WR-24V-245/CH217N-2-XX-SG-EC/ULV192-PWM	<b>Type:</b> <b>A1</b>
<b>LIGHTING VIRGINIA</b>		Notes: LV-CENTRAL24-41399	

VERIFY QUANTITIES & LENGTH OF RUNS BEFORE ORDERING



**CH-217-N**  
EXTRUDED ALUMINUM MOUNTING CHANNEL

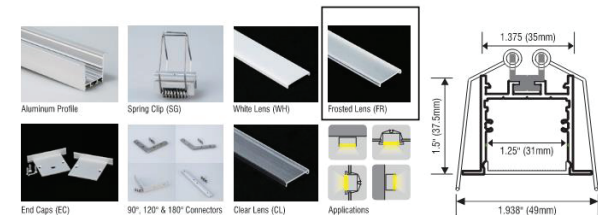
- PRODUCT FEATURES**
- Available in 2 meter sections
  - Extruded aluminum construction
  - Anodized matte finish
  - Consult factory for custom lengths & finishes

USE TAMPER RESISTANCE SCREWS SO SECURE ALUMINUM CHANNEL TO CONCRETE CURB



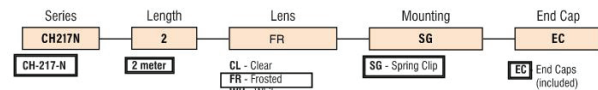
**SPECIFICATIONS**

Model	CH-217-N
Length	78.74" (2m)
External Width	1.938" (49mm)
Internal Width	1.25" (31mm)
Height	1.5" (37.5mm)



**ORDERING INFORMATION**

Example: CH217N-2-WH-SG-EC



Questions/Support | 800-789-3810 | quotes@kelvix.com 1108190M

Submitted On: Mar 6, 2024 4/8 Index Page



CONTINUOUS LED LIGHTING WITH ACCENT UPLIGHTS

Submitted by Lighting Virginia-Central	<b>Job Name:</b> BROAD STREET MEDIAN	<b>Catalog Number:</b> UVA-20161-M-RGBW30-02-120/277V	<b>Type:</b> <b>P5</b>
<b>LIGHTING VIRGINIA</b>		Notes: LV-CENTRAL24-41399	

**UVA-20161**  
Vancouver 21 Light Column



**33w LED**  
1158 Lumens

IP65  
IK08 (Impact Resistant)

Weight 121.2 lbs

**Construction**

**Material:**  
Last Run 3.1% copper content - Marine Grade 5000 extruded & LMS Aluminum high pressure die casting provides excellent mechanical strength, clean finished product lines and excellent heat dissipation.

**Finish:**  
A deep deprime and phosphate process that includes descaling and etching as well as a zinc and copper phosphate process before product painting.

**Memory Retention - Silicon Coating:**  
Finished with special memory retention "Si" for purpose long-life high temperature memory retention retention.

**Thermal Management:**  
LMS Aluminum is used for its excellent mechanical strength and thermal conduction properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the choice, custom thermal below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

**Anchor Bolt Suppressor:**  
Standard low-voltage suppressor provided with all fixtures.

**UV Rating:**  
UV Stabilized 4 mil thick powder coat paint and baked at 200°C. This process ensures that Ligman products can withstand harsh environments. Rated for use in restaurants.

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UV Stabilized 4 mil thick powder coat paint and baked at 200°C. This process ensures that Ligman products can withstand harsh environments. Rated for use in restaurants.

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UV Stabilized 4 mil thick powder coat paint and baked at 200°C. This process ensures that Ligman products can withstand harsh environments. Rated for use in restaurants.

**Total urban realm lighting solution. Optional heights, accent spotlights, accessories and decorative lattice panels.**

A stylish Dark Sky Compliant square high performance light column with downward light distribution using LED lamps. This light column offers optimal visual comfort through glare control by utilizing a controlled optics designed by Ligman. These columns have a square design providing a unique wide light distribution, offering an architecturally appealing clover leaf pattern on the paving. The internal sides of the supporting pillars are accented by light from the LED.

Color temperature 2700K, 3000K, 3500K and 4000K. The minimalist shape provides distinctive lighting effects by night and decorative urban effect during the day. Suitable for pedestrian areas, precincts, building surrounds, shopping centers, squares and parks. The Vancouver Column comes standard with a unique waterproof internal driver housing compartment that is situated at the top of the pole to stop water and dust from entering the electrical components.

This fixture is supplied completely wired with powercord and waterproof gland from the driver enclosure to the base of the column to ensure quick trouble-free installation. The Vancouver has a specially designed anchor bolt mounting base that is partially buried below ground level to provide a flush fixture finish with the surface, but maintains the rigidity that is required when installing light columns. This ensures that the anchor bolts are not seen and therefore eliminates the necessity for an anchor bolt cover. (review installation instructions before installing the anchor bolts.)

Reduced custom wattages can be provided to suit customer requirements. Specify total watt requirement per fixture. Designed to complement the Vancouver bollard UVA-10001. This product is provided complete with anchor bolts and laser cut steel bolt template.

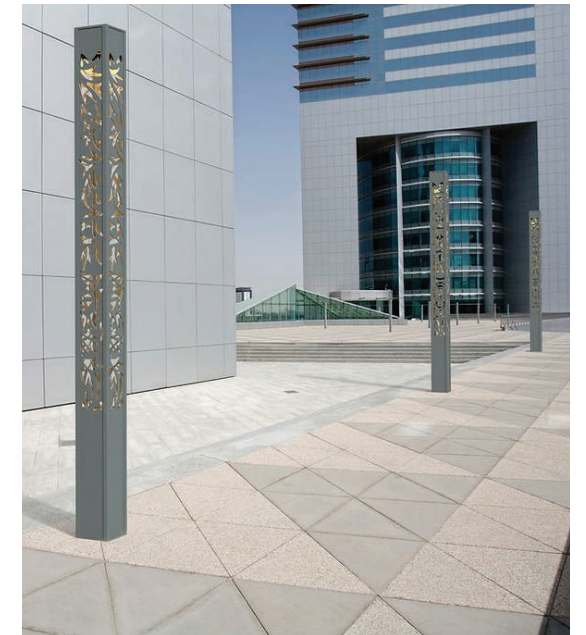
**NOTE: For the ground version of the Vancouver, please see the Bollard Light Column and Bollard**

Additional Options (Consult Factory For Pricing)

AA001 TTC Touch Screen Touch Screen A (Phased)	AA025 TTC-C013 (Niclosulide)	AA003 TTC Touch Screen Touch Screen B (Phased)	AA018 TTC Touch Screen Touch Screen C (Phased)
AA002 LPC Lighting LPC Lighting A (Phased)	AA011 LPC Lighting LPC Lighting B (Phased)	AA004 TTC Touch Panel Touch Panel (Phased)	AA010 EDM Ethernet Data Meter (Phased)
AA008 C010 (Phased)			

**NOTE: DMX CONTROLLER IS NOT NEEDED - ALL LIGHTING WILL BE CONTROLLED BY CASAMBI!**

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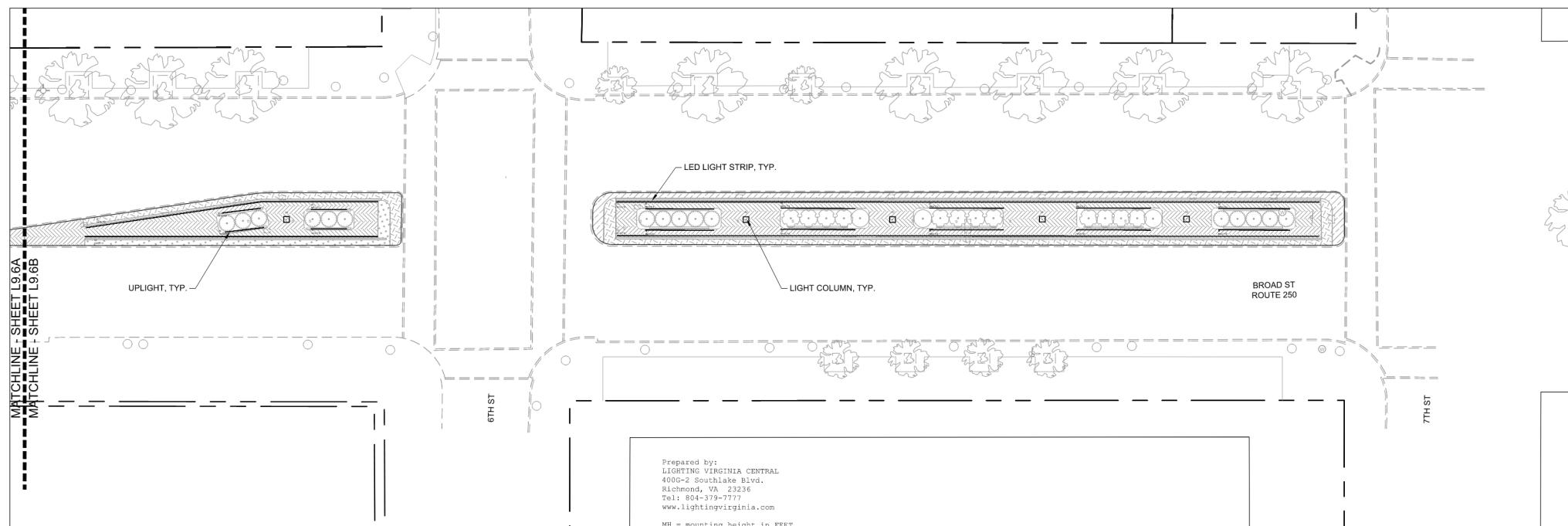
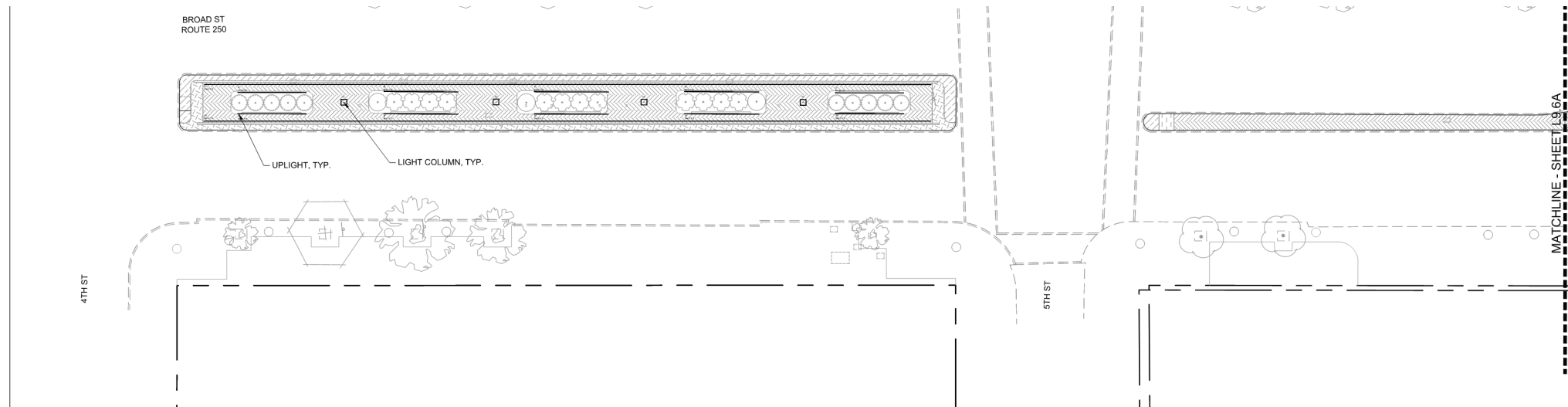
LASER CUT LED LIGHT COLUMNS

CITY OF RICHMOND GATEWAY BEAUTIFICATION  
BROAD STREET LIGHTING CONCEPTS



CITY OF RICHMOND, VIRGINIA





Prepared by:  
 LIGHTING VIRGINIA CENTRAL  
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 Richmond, VA 23236  
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 www.lightingvirginia.com

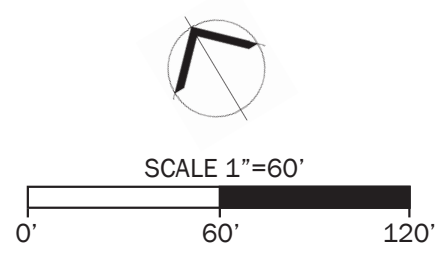
MH = mounting height in FEET

NOTES:

1. NO ALTERATIONS OR MODIFICATIONS SHALL BE MADE TO THIS PLAN WITHOUT THE PERMISSION OF LIGHTING VIRGINIA CENTRAL, ADAMS PARSELL, LLC.
2. THE OUTPUT ON THIS PHOTOMETRIC LAYOUT IS SPECIFIC TO THE MANUFACTURER AND CATALOG NUMBERS LISTED IN THE LUMINAIRE SCHEDULE. SUBSTITUTIONS OR DEVIATIONS FROM THIS PLAN MAY INCUR SIGNIFICANTLY DIFFERENT RESULTS. ANY SUBSTITUTIONS MUST RECEIVE ENGINEER AND ARCHITECT APPROVAL. SEVERE COSTS, REMORKED PHOTOMETRIC LAYOUTS, PRODUCT SUBMITTALS AND A FULL SET OF IFL REPORTS WILL SOLELY BE THE RESPONSIBILITY OF ANY CONTRACTING FIRM MAKING A SUBSTITUTION, AND MUST COMPLY WITH DESIGN CRITERIA AND WITH ANY APPLICABLE JURISDICTIONAL CODES.
3. SITE DETAILS PROVIDED HEREBY ARE REPRODUCED ONLY AS A VISUALIZATION AID. FIELD DEVIATIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, CRITICAL SITE INFORMATION (POLE LOCATIONS, ORIENTATION, MOUNTING HEIGHT, ETC.) SHOULD BE COORDINATED WITH THE CONTRACTOR AND/OR SPECIFIER RESPONSIBLE FOR THE PROJECT.
4. LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS AND SUPPLIED BY OTHERS TO LIGHTING VIRGINIA. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.
5. CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.
6. CHECK GRAPHIC SCALE. DOCUMENTS PRINTED OR PLOTTED FROM ELECTRONIC FILES MAY OCCUR AT OTHER THAN THE DESIRED OR ASSUMED GRAPHIC SCALES. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO VERIFY THAT THE PRINTED OR PLOTTED-TO-SCALE DRAWING IS PRINTED TO SCALE.

Luminaire Schedule					
Qty	Label	Symbol	LLP	(MANUFAC)	Description
1	A1		0.150	KELVIX	RGBW-3-WR-24V
1	A2		0.150	KELVIX	RGBW-3-WR-24V
1	B1		0.150	KELVIX	RGBW-3-WR-24V
1	B2		0.150	KELVIX	RGBW-3-WR-24V
1	C1		0.150	KELVIX	RGBW-3-WR-24V
1	C2		0.150	KELVIX	RGBW-3-WR-24V
9	P5		0.500	LIGMAN	UVA-20061
536	M		0.250	KELVIX	STLA-C-CC3-XX-XX

\* MOUNT FIXTURE TYPES A1, A2, B1, B2, C1, C2 3'-6" AWAY FROM VERTICAL GRASS, 3" ABOVE GROUND AT THE LIGHTS CENTER, RECESSED IN THE WALL OF THE CURB, AIMED AT THE GRASSES.  
 \* MOUNT TYPE M 1' AWAY FROM THE VEGETATIVE VERTICAL PLANE, RECESSED IN THE CONCRETE, LENS FLUSH, AIMED DIRECTLY UPWARDS



LIGHTING PLAN (40% REDUCED)

# CITY OF RICHMOND GATEWAY BEAUTIFICATION

## BROAD STREET LIGHTING CONCEPTS



CITY OF  
**RICHMOND,**  
**VIRGINIA**







RENDERING WITH STATIC WHITE LIGHTS

# CITY OF RICHMOND GATEWAY BEAUTIFICATION

BROAD STREET LIGHTING CONCEPTS



CITY OF  
**RICHMOND,  
VIRGINIA**







RENDERING WITH STATIC RED LIGHTS

**CITY OF RICHMOND GATEWAY BEAUTIFICATION**  
BROAD STREET LIGHTING CONCEPTS



CITY OF  
**RICHMOND,**  
**VIRGINIA**







RENDERING WITH STATIC GREEN LIGHTS

**CITY OF RICHMOND GATEWAY BEAUTIFICATION**  
BROAD STREET LIGHTING CONCEPTS



CITY OF  
**RICHMOND,  
VIRGINIA**

