Urban

Architectural

VX600 Post top



The **Hadco Architectural LED post top** is a masterful blend of tradition and modern technology captured in sturdy cast aluminum, rendering years of maintenance-free operation. It creates a warm and friendly ambiance with its design while at the same time offering high-end technology and photometric performance is the strength of this beautiful luminaire.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

Example: VX600-48-G3-A-C-2-N-N-730-A-3-N-SP1

Series	LED Count	Generation	Finish	Panel	Distribution	Photo Control Receptacle
VX600		G3				
VX600 Hadco Architectural LED post top	**32**[1,3] 32 LEDs **48** 48 LEDs **64** 64 LEDs	**G3** Gen 3	**A** Black **B** White **G** Verde **H** Bronze **J** Green	**C** Clear **F** Frosted	**2** Type 2 **2H** Type 2 w/HSS **3** Type 3 **3H** Type 3 w/HSS **3W** Type 3 Wide **3WH** Type 3 Wide w/HSS **4** Type 4 **5** Type 5	**E** 120 VAC button eye **H** 208/240/277 VAC button eye **R** 3-Pin Twist Lock Receptacle **N** None

Future-Proof Control Receptacle	CRI/CCT	Voltage	Drive Current	Integral Control Options (only pick one) (0-10V dimming driver standard)	Surge Protection
R7[4] 7-Pin Receptacle **N** None	**730** Warm 3000K **740** Neutral 4000K	**A** 120-277 **B**[2,3] 347-480	**3** 350mA **5** 530mA **7**[1] 700mA	**Dynadimmer** **DA** 4 Hrs, 25% reduction **DB** 4 Hrs, 50% reduction **DC** 4 Hrs, 75% reduction **DD** 6 Hrs, 25% reduction **DE** 6 Hrs, 50% reduction **DF** 6 Hrs, 75% reduction **DG** 8 Hrs, 25% reduction **DH** 8 Hrs, 50% reduction **DJ** 8 Hrs, 75% reduction **DL** DALI **N** None **S** FAWS Field adjustable wattage selector **SRD**[2] Sensor ready driver, standard configuration **SRD1**[2] Sensor ready driver, alternate configuration	**SP1** 10kV/10kA Surge Protector **SP2** 20kV/20kA Surge Protector

1. The 700mA (7) current is only compatible for 32 LEDs (32) configurations.
2. Configurations with 347-480VAC (B) voltage are not compatible with optional dimming or optional programming.
3. Configurations with 32 LEDs (32) at 350mA (3) and 530mA (5) currents are not compatible with 347-480 VAC (B) voltage.
4. The R7 is located on top of the fitter inside the cage

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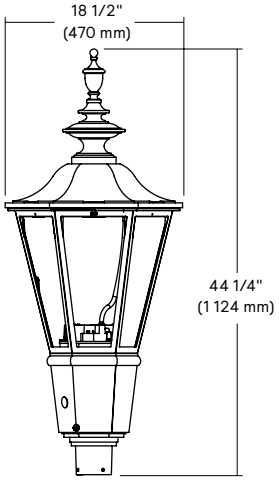
Dimensions



VX600
Height: 44 1/4" (113cm)
Width: 18 1/2" (47cm)
Max. EPA: 2.8 sq. ft.
Max. Weight: 34 lbs (15.4 kg)

LED Wattage and Lumen Values for Clear Globe

Ordering Codes	Total LEDs	LED current (mA)	Average System Wattage[1] (W)	Type 2			Type 3			Type 3w			Type 4			Type 5		
				Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)
Clear Globe (3000K)																		
32-G3-C-x-730-3	32	350	38	3753	B1-U2-G1	99	3741	B1-U2-G1	98	3756	B1-U2-G1	99	3760	B1-U2-G1	99	3790	B2-U3-G1	100
32-G3-C-x-730-5	32	530	53	5383	B1-U2-G1	102	5366	B1-U2-G1	101	5388	B1-U3-G1	102	5393	B1-U3-G1	102	5437	B3-U3-G1	103
32-G3-C-x-730-7	32	700	71	6789	B1-U3-G1	96	6767	B1-U3-G1	95	6795	B2-U3-G2	96	6803	B1-U3-G2	96	6857	B3-U3-G2	97
48-G3-C-x-730-3	48	350	51	5629	B1-U2-G1	110	5612	B1-U2-G1	110	5635	B1-U3-G2	110	5641	B1-U3-G1	111	5686	B3-U3-G1	111
48-G3-C-x-730-5	48	530	79	8074	B2-U3-G2	102	8049	B2-U3-G2	102	8081	B2-U3-G2	102	8091	B2-U3-G2	102	8156	B3-U3-G2	103
64-G3-C-x-730-3	64	350	68	7515	B2-U3-G2	111	7476	B2-U3-G2	110	7585	B2-U3-G2	112	7450	B1-U3-G2	110	7587	B3-U3-G2	112
64-G3-C-x-730-5	64	530	104	10779	B2-U3-G2	104	10723	B2-U3-G2	103	10879	B2-U3-G2	105	10686	B2-U3-G2	103	10883	B4-U3-G2	105
Clear Globe (4000K)																		
32-G3-C-x-740-3	32	350	38	3941	B1-U2-G1	104	3928	B1-U2-G1	103	3944	B1-U2-G1	104	3948	B1-U2-G1	104	3980	B3-U3-G1	105
32-G3-C-x-740-5	32	530	53	5652	B1-U2-G1	107	5634	B1-U2-G1	106	5657	B1-U3-G2	107	5663	B1-U3-G1	107	5709	B3-U3-G1	108
32-G3-C-x-740-7	32	700	71	7128	B2-U3-G2	100	7105	B2-U3-G2	100	7135	B2-U3-G2	100	7143	B1-U3-G2	101	7200	B3-U3-G2	101
48-G3-C-x-740-3	48	350	51	5910	B1-U2-G1	116	5893	B1-U3-G1	116	5917	B1-U3-G2	116	5923	B1-U3-G2	116	5970	B3-U3-G1	117
48-G3-C-x-740-5	48	530	79	8478	B2-U3-G2	107	8451	B2-U3-G2	107	8485	B2-U3-G2	107	8496	B2-U3-G2	108	8564	B3-U3-G2	108
64-G3-C-x-740-3	64	350	68	7891	B2-U3-G2	116	7850	B2-U3-G2	115	7964	B2-U3-G2	117	7823	B1-U3-G2	115	7966	B3-U3-G2	117
64-G3-C-x-740-5	64	530	104	11318	B2-U3-G2	109	11259	B2-U3-G2	108	11423	B2-U3-G2	110	11220	B2-U3-G2	108	11427	B4-U3-G2	110

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

Note: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

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LED Wattage and Lumen Values for Frosted Globe

Ordering Codes	Total LEDs	LED current (mA)	Average System Wattage[1] (W)	Type 2			Type 3			Type 3w			Type 4			Type 5		
				Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)	Lumen Output[2]	BUG Rating	Effic. (LPW)
Frosted Globe (3000K)																		
32-G3-F-x-730-3	32	350	38	3453	B1-U3-G2	91	3470	B1-U3-G2	91	3483	B1-U3-G3	92	3476	B1-U3-G3	91	3517	B2-U3-G2	93
32-G3-F-x-730-5	32	530	53	4952	B1-U3-G3	93	4978	B1-U3-G3	94	4996	B1-U3-G3	94	4986	B1-U3-G3	94	5045	B2-U3-G3	95
32-G3-F-x-730-7	32	700	71	6246	B2-U3-G3	88	6278	B2-U3-G3	88	6302	B2-U3-G3	89	6287	B2-U3-G3	89	6362	B3-U3-G3	90
48-G3-F-x-730-3	48	350	51	5180	B1-U3-G3	102	5206	B1-U3-G3	102	5225	B1-U3-G3	102	5214	B1-U3-G3	102	5275	B2-U3-G3	103
48-G3-F-x-730-5	48	530	79	7430	B2-U3-G3	94	7466	B2-U3-G3	95	7494	B2-U3-G3	95	7479	B2-U3-G3	95	7567	B3-U4-G3	96
64-G3-F-x-730-3	64	350	68	7037	B2-U3-G3	103	6888	B2-U3-G3	101	6970	B2-U3-G3	103	6864	B2-U3-G3	101	7157	B3-U3-G3	105
64-G3-F-x-730-5	64	530	104	10093	B2-U4-G4	97	9880	B2-U4-G4	95	9998	B2-U4-G4	96	9847	B2-U4-G4	95	10267	B3-U4-G4	99
Frosted Globe (4000K)																		
32-G3-F-x-740-3	32	350	38	3626	B1-U3-G2	95	3644	B1-U3-G2	96	3657	B1-U3-G3	96	3650	B1-U3-G3	96	3693	B2-U3-G2	97
32-G3-F-x-740-5	32	530	53	5200	B2-U3-G3	98	5227	B1-U3-G3	99	5246	B1-U3-G3	99	5235	B1-U3-G3	99	5297	B2-U3-G3	100
32-G3-F-x-740-7	32	700	71	6558	B2-U3-G3	92	6592	B2-U3-G3	93	6617	B2-U3-G3	93	6601	B2-U3-G3	93	6680	B3-U3-G3	94
48-G3-F-x-740-3	48	350	51	5439	B2-U3-G3	107	5466	B1-U3-G3	107	5486	B2-U3-G3	108	5475	B1-U3-G3	107	5539	B2-U3-G3	109
48-G3-F-x-740-5	48	530	79	7802	B2-U3-G3	99	7839	B2-U3-G3	99	7869	B2-U4-G4	100	7853	B2-U4-G4	99	7945	B3-U4-G3	101
64-G3-F-x-740-3	64	350	68	7389	B2-U3-G3	109	7232	B2-U3-G3	106	7319	B2-U3-G3	108	7207	B2-U3-G3	106	7515	B3-U4-G3	111
64-G3-F-x-740-5	64	530	104	10598	B2-U4-G4	102	10374	B2-U4-G4	100	10498	B2-U4-G4	101	10339	B2-U4-G4	99	10780	B3-U4-G4	104

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

Note: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

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Post top

Specifications

Housing

Roof: Hinged roof with stainless steel thumb screw. 356HM low-copper cast aluminum, low copper for high resistance to corrosion. All hardware to be stainless steel and captive.

Panels: Two panel options. Clear panels are made of an U.V Stabilized sheet material. Frosted Panels are U.V. Stabilized sheet material. All panels are attached with a clip and can easily be removed for cleaning.

Fitter: Slip Fitter Dimensions: 3" I.D. x 3" deep. Removable door to access photocontrol components.

Brackets and Poles

Visit the website for pole and post top bracket options.

Light Engine

Composed of 4 main components: LED Module / Optical System / Heat Sink / Driver. Electrical components are RoHS compliant, IP66 sealed light engine. LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines, extrapolations in accordance with IESNA TM-21. Metal core board ensures greater heat transfer and longer lifespan.

LED Module

Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin - Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm White, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Heat Sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Optical System

Type 2, 3, 3W, 4 and Type 5 composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated.

House side shield optional (can be field installed)
2SH: Type 2 with House Side Shield
3SH: Type 3 short with house side shield
3WH: Type 3 Wide with House side shield

Driver

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC or 347 to 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Driver operating ambient temperature range is -40F (-40C) to +130F (+55C). Certified in compliance to UL1310 or UL8750 cULus requirement (dry and damp location). The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV or 6kV (min). Due to the inrush current that occurs with electronic drivers, recommend using a time-delay or slow blow fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses.

Surge Protection

SP1: Fail-On surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

SP2: Fail-On 20kV/10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, using LM-80 data from LED manufacturers and engineering prediction methods, the luminaire useful life is expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C (48 LED and 64LED at 530mA is 68,000). Luminaire useful life accounts for LED lumen maintenance and all of these additional factors including: LED color shift, LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Lifetime statements do not include the use of controls, including networked controllers.

Driver Options

DA: 4 Hrs 25% reduction
DB: 4 Hrs 50% reduction
DC: 4 Hrs 75% reduction
DD: 6 Hrs 25% reduction
DE: 6 Hrs 50% reduction
DF: 6 Hrs 75% reduction
DG: 8 Hrs 25% reduction
DH: 8 Hrs 50% reduction
DJ: 8 Hrs 75% reduction

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle.

SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

FAWS: Field Adjustable Wattage Selector, pre-set to the highest position, can be easily switched in the field to the required position. This reduces total luminaire wattage consumption and reduces the light level – see the FAWS multiplier chart for more details. Note: It is not recommended to use FAWS with other dimming or controls; if you do, set the switch to position 10 (maximum output) to enable the other dimming or controls. Switching FAWS to any position other than 10 will disable the other dimming or controls.

Field Adjustable Wattage (FAWS) Multiplier Chart

FAWS Position	Typical Delivered Lumens Multiplier	Typical System Wattage
1	0.31	0.28
2	0.53	0.5
3	0.62	0.58
4	0.7	0.67
5	0.78	0.75
6	0.83	0.81
7	0.89	0.87
8	0.92	0.91
9	0.96	0.95
10	1	1

Note: Typical value accuracy +/-5%

Hardware

All non-ferrous fasteners prevent corrosion and ensure longer life.

Wiring

18 AWG wire, 6" (152mm) minimum exceeding from luminaire.

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Specifications (continued)

Options



HS House side shield

SP2 20kV/10kA integral surge protector (optional)

Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Certifications and Compliance

cETLus Listed for Canada and U.S. to the UL1598 and UL8750 standards, suitable for Wet Locations. The quality systems of the facility where manufactured have been registered by UL to the ISO 9001 series standards. Luminaire complies with or exceeds the following ANSI C136 standards: .2, .3, .4, .10, .15, .16, .22, .24, .25, .37, .41.

IP Rating

IP66 rated LED light engine.

Warranty

5-year limited warranty. Options available for extended warranties – contact factory. See https://www.genlyte.com/en-us/support/warranties for details and restrictions.

Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA.

This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit https://www.genlyte.com/en-us/resources/programs/domestic-preference to view a current list of BAA-compliant products to confirm this product's current compliance.

Build America, Buy America Act (BABA)

BABA establishes the minimum domestic content requirements that federal agencies must apply. This product is manufactured in the US and has a domestic content of 55% or more. This BABA designation does not address the "Buy America" domestic content requirements, which may be stricter, imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by federal agencies. Please visit https://www.genlyte.com/en-us/resources/programs/domestic-preference.

Prior to ordering, please contact factory to confirm BABA or BABAF compliant configurations (BABAF for projects funded through FHWA must be funded by October 1, 2026), and please submit completed BABA checklist SGn-2452BN-Compliance-Certification-checklist.pdf.

LED Performance

Predicted lumen depreciation data				
Ambient Temperature (°C)	Driver mA	Calculated L_{70} hours	L_{70} per TM-21	Lumen Maintenance % @ 60,000 hours
25°C	up to 700 mA	>100,000	>60,000	90%

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

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