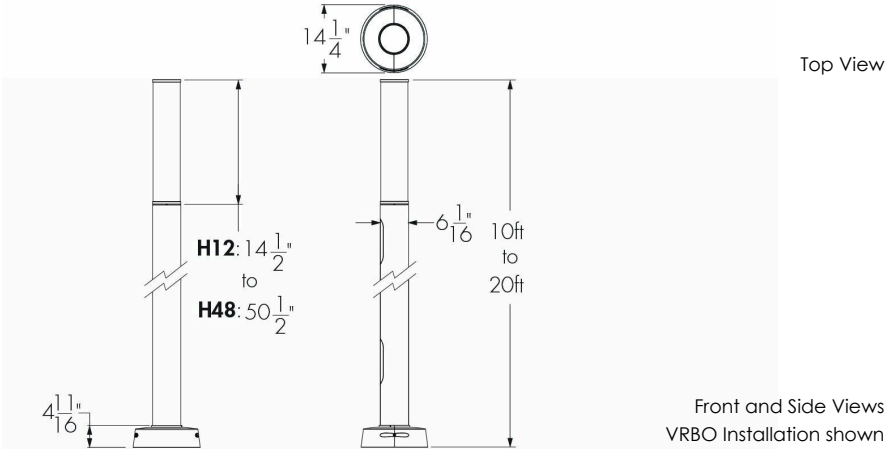


Project Name

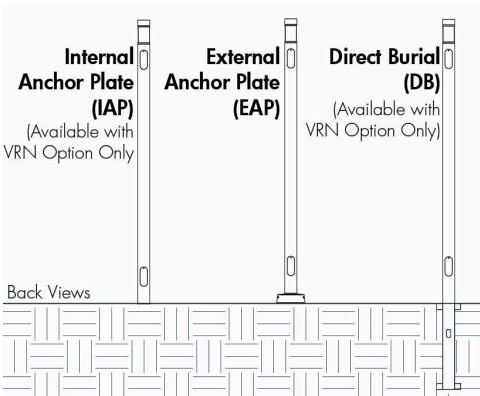
Qty

Type

Catalog / Part Number



Configurations



Description

The Lumenalta Column Direct View features a sleek, cylindrical form designed for metropolitan wayfinding and artistic applications. Using Lumenpulse's Opticolor+® technology, color-changing, tunable white, and dim-to-warm capabilities are blended into a single, versatile luminaire. Offering flawless uniformity and saturation across its 1 ft to 4 ft lens, its dual-lens design evenly diffuses light for a clean, continuous viewing surface.

Features

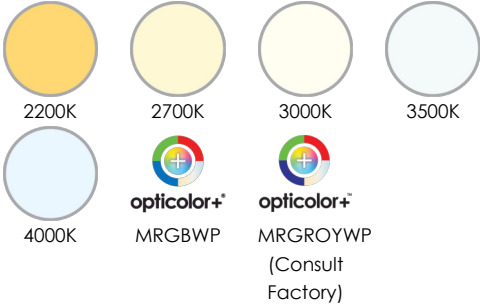
Dimensions	6: 6 in
Optical System	DVO: Direct View Optic
Lens Finish	O: Opal Lens
Total Height (Nominal)	10FT: 10 ft, 11FT: 11 ft, 12FT: 12 ft, 13FT: 13 ft, 14FT: 14 ft, 15FT: 15 ft, 16FT: 16 ft, 17FT: 17 ft, 18FT: 18 ft, 19FT: 19 ft, 20FT: 20 ft
Color and Color Temperature	22K: 2200K 27K: 2700K 30K: 3000K 35K: 3500K 40K: 4000K MRGBWP: Opticolor+® Mix-at-Source Red, Green, Blue Plus White Settable Range 24K to 65K MRGROYWP: Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K

Distributions



Type V

Color and Color Temperature



Distributions	5: Type V
---------------	-----------

Color Rendering

CRI
90+

Control

0-10V

DMX/RDM

DALI



Lumencycle™ Program



Ingress Protection Rating

IP66 (optical chamber)

Impact Resistance Rating

IK06
(PMMA
Lens)

Certifications



Options

Corrosion-Resistant Coating for Hostile Environments
Surge Protector
Ground Fault Duplex Receptacle
Duplex Receptacle with USB A and USB C
Normal Vibration Rating
Internal Anchor Plate
External Anchor Plate
Direct Burial

Base Cover Options

WL: Round Base Cover WL for 6 in Pole
WC: Round Base Cover WC for 6 in Pole
WO: Round Base Cover WO for 6 in Pole
WY: Round Base Cover WY for 6 in Pole

Warranty

5-year limited warranty

Performance

Color Rendering

CRI 90: CRI 90+ (White Light Only)

Maximum Delivered Output

8,042lm (4000K, CRI 90+, H48 Head Height)
4,142 lm (MRGBWP Optidrive™ Enabled, H48 Head Height)

Efficacy

Up to 102.7 lm/W (4000K, CRI 90+, H48 Head Height)

Color Consistency

1 SDCM for CRI 90+ (White Light Only)

Lumen Maintenance

White: L70 > 90,000 hrs Ta 25°C [77°F] (TM-21 reported)
L70 > 100,000 hrs Ta 25°C [77°F] (projected)*
Color: L70 > 60,000 hrs Ta 25°C [77°F] (TM-21 reported)
L70 > 76,400 hrs Ta 25°C [77°F] (projected)*
*Estimated based on in-situ case temperature and LM-80 report

Physical

Head Height

H12: 14 1/2 in, **H24:** 26 1/2 in, **H36:** 38 1/2 in, **H48:** 50 1/2 in

Housing Material

Cast aluminum, Extruded aluminum

Lens Material

Cast acrylic (PMMA)

Hardware Material

Stainless steel

Weight

48.7 lbs to 83.7 lbs
Weight varies according to Total Height and Head Height selection; see Product Weight Table for details

Surface Finish

Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure).
A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).

Electrical and Control

Voltage

120: 120 Volts, **208:** 208 Volts, **240:** 240 Volts, **277:** 277 Volts

Control

DIM: 0-10V Dimming
LT: Lumentalk Enabled Dimming
DMX/RDM: DMX/RDM Enabled Dimming
DALI: DALI Dimming

Environmental

Storage Temperature	-40°C to 50°C [-40°F to 122°F] (device must reach start-up temperature value before operating)
Start-up Temperature	-40°C to 50°C [-40°F to 122°F]
Operating Temperature	-40°C to 50°C [-40°F to 122°F]
Ingress Protection Rating	IP66 (optical chamber)
Impact Resistance Rating	IK06 (PMMA Lens)
Environment	Dry/damp/wet location

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Wind Speed and Pressure Tables

AASHTO Standard Specification

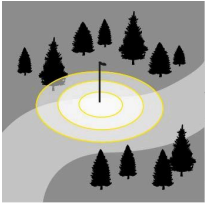
Total Height	Maximum Wind Speed (Mph)		
	EAP	IAP	DB
10	180	120	180
11	180	120	180
12	180	120	180
13	180	110	180
14	180	90	180
15	180	90	180
16	180	N/A	180
17	180	N/A	N/A
18	180	N/A	N/A
19	180	N/A	N/A
20	180	N/A	N/A

CSA Standard Specification

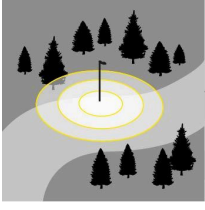
Total Height	Maximum Wind Pressure (Pa)		
	EAP	IAP	DB
10	800	800	800
11	800	800	800
12	800	500	800
13	800	400	800
14	800	400	800
15	800	300	800
16	800	N/A	800
17	800	N/A	N/A
18	800	N/A	N/A
19	800	N/A	N/A
20	800	N/A	N/A

Photometric Information

4000K, CRI 90+

	Head Height	Typical Delivered Output [lm]	Efficiency (lm/W)	BUG Rating			Typical Maximum Power 120/277V (W)
				B	U	G	
	H12	1,844	92	1	4	2	20
	H24	3,839	98	1	5	2	39
	H36	6,053	103	2	5	3	59
	H48	8,042	103	2	5	3	78

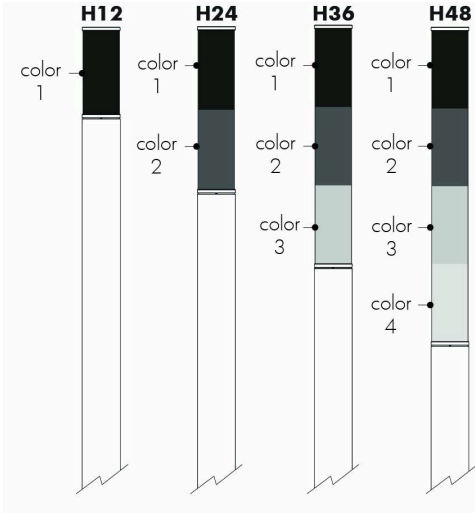
MRGBWP Optidrive™ Enabled

	Head Height	Typical Delivered Output [lm]	Efficiency (lm/W)	BUG Rating			Typical Maximum Power 120/277V (W)
				B	U	G	
	H12	950	45	0	3	1	21
	H24	1,977	48	1	4	2	42
	H36	3,117	50	1	5	2	63
	H48	4,142	50	1	5	3	83

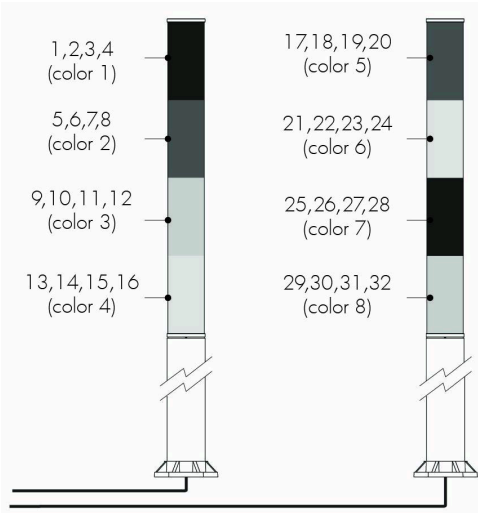
Photometric performance is measured in compliance with IESNA LM-79-24. Due to rapid and continuous advance in LED technology, photometric information is subject to change without notice.

Resolution Details

DMX/RDM Control, Resolution Per Segment for Each Fixture Head Height
DMX Addresses:

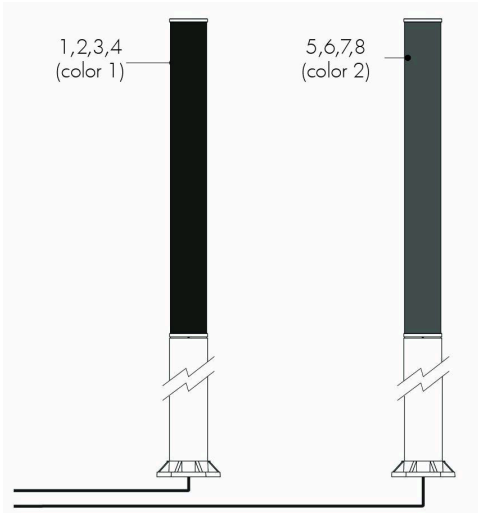


DMX/RDM Control, Resolution Per Segment: Each 12 in Segment is Addressed Independently
DMX Addresses:



Fixture with H48 Head Height shown.

DMX/RDM Control, Resolution Per Fixture: Each Fixture is Addressed Independently
DMX Addresses:



Fixture with H48 Head Height shown.

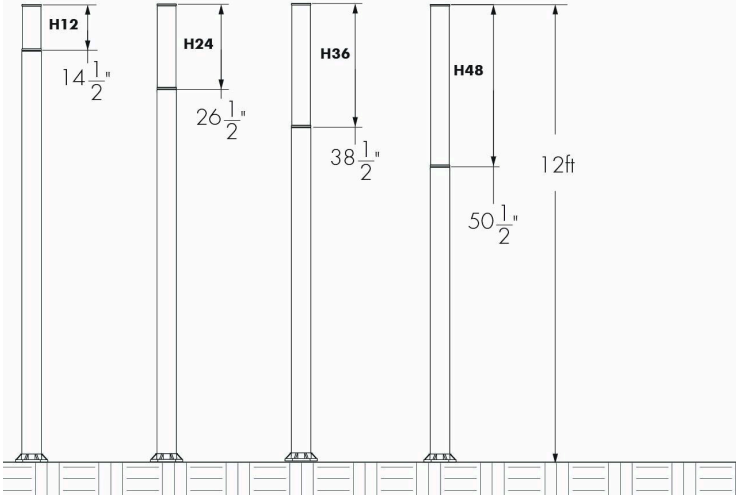
MRGBWP and MRGROYWP color mixing options. 3, 4 or 5-channel modes are also available via RDM. Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Refer to [Functionality Guide Opticolor+](#) on Lumenpulse website for more details.

Fixture Weight Table

	H12	H24	H36	H48
10FT	48.7 lbs.	47.1 lbs.	N/A	N/A
11FT	52.6 lbs.	54.0 lbs.	49.5 lbs.	N/A
12FT	56.5 lbs.	55.0 lbs.	53.5 lbs.	51.9lbs.
13FT	60.5 lbs.	59.0 lbs.	57.4 lbs.	55.9 lbs.
14FT	64.5 lbs.	62.9 lbs.	61.4 lbs.	59.8 lbs.
15FT	68.4 lbs.	66.9 lbs.	65.3 lbs.	63.8 lbs.
16FT	72.4 lbs.	70.8 lbs.	69.3 lbs.	67.8 lbs.
17FT	76.3 lbs.	74.8 lbs.	73.3 lbs.	71.7 lbs.
18FT	80.3 lbs.	78.8 lbs.	77.2 lbs.	75.7 lbs.
19FT	84.3 lbs.	82.7 lbs.	81.2 lbs.	79.6 lbs.
20FT	88.9 lbs.	86.7 lbs.	85.1 lbs.	83.7 lbs.

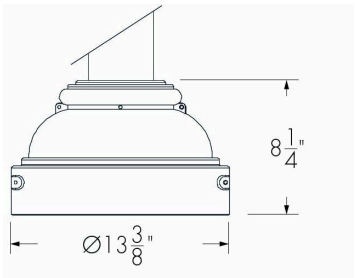
Luminaire Dimensions



Front views, Column with 12 ft total height shown.
H36 head height not available for 10 ft Column.
H48 head height not available for 10 ft or 11 ft Column.

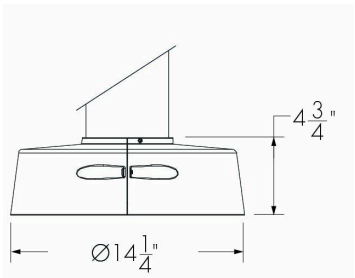
Base Cover Options Dimensions

WC - Round Base Cover WC For 6 in Column



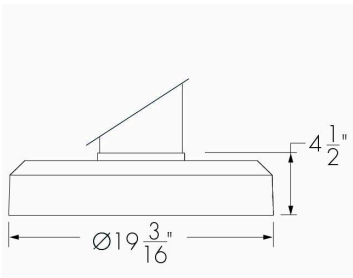
Side view

WL - Round Base Cover WL For 6 in Column



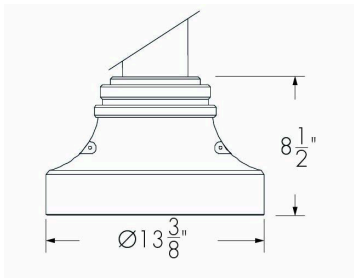
Side view

WO - Round Base Cover WO For 6 in Column



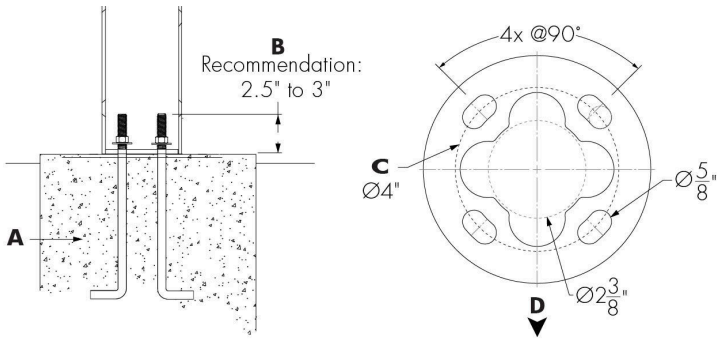
Side view

WY - Round Base Cover WY For 6 in Column



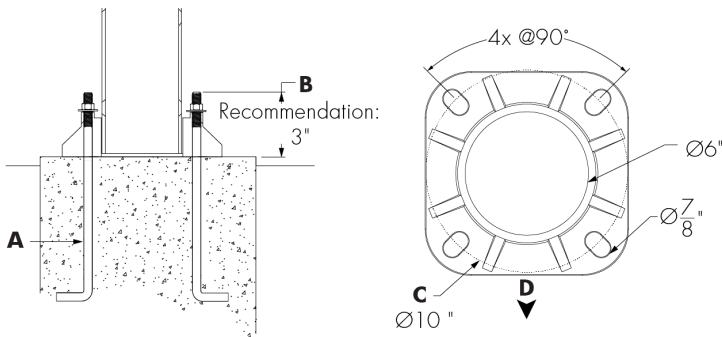
Side view

Internal Anchor Plate Installation Assembly Details and Dimensions (Available with VRN Option Only)



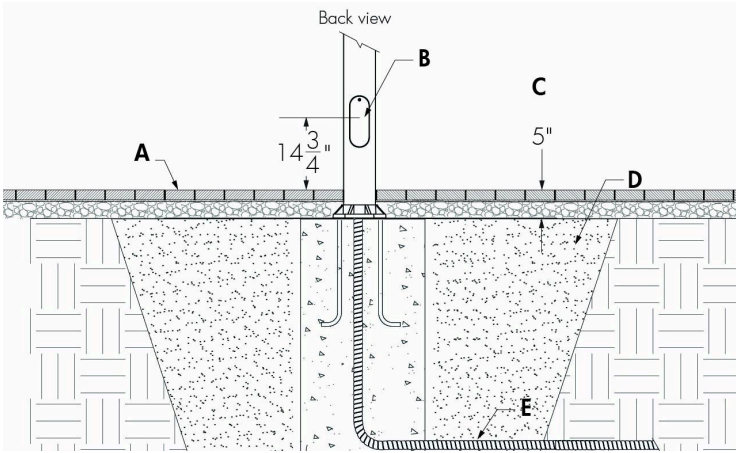
- A - (4x) Ø1/2-13 in by 12 in long anchor bolts with flat washers and nuts for each.
- B - 2.5 in to 3 in recommended to allow for assembly of nuts, washers and plate.
- C - Bolt circle
- D - Street Side. Access Door at 180 degrees from Street Side.

External Anchor Plate Installation Assembly Details and Dimensions



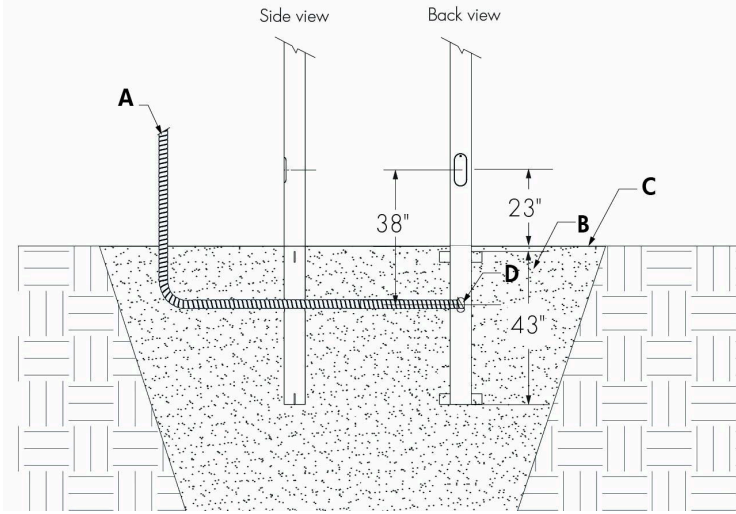
- A - (4x) Ø3/4 in by 26 in long anchor bolts with flat washers and nuts for each.
- B - 3 in recommended to allow for assembly of nuts, washers and plate.
- C - Bolt circle
- D - Street Side. Access Door at 180 degrees from Street Side.

Semi-Buried Installation Assembly Details and Dimensions



- A - Finished grade
- B - Access door
- C - Buried section, at least 4 in
- D - Filling
- E - Conduit and drainage (by others)

Direct Burial Installation Assembly Details and Dimensions (Available with VRN Option Only)

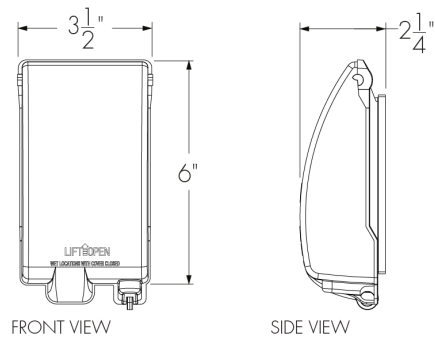
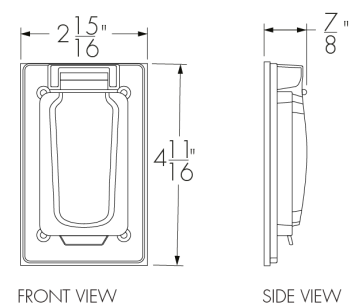


- A - Conduit (by others)
- B - Filling
- C - Finished grade
- D - Opening for conduit and proper drainage

Duplex Receptacle Details

DRG - Ground Fault Duplex Receptacle
USB - Duplex Receptacle with USB A and USB C

DRG IU - Ground Fault Duplex Receptacle (While in Use)
USB IU - Duplex Receptacle with USB A and USB C (While In Use)

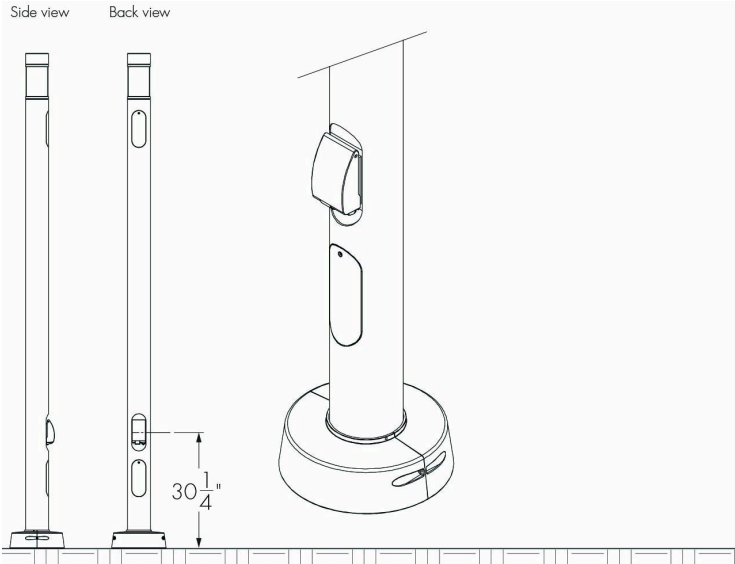
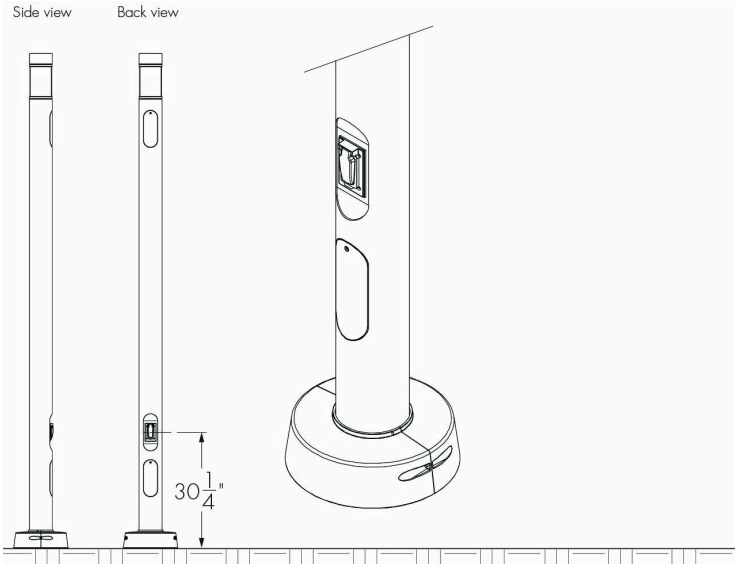


DRG and USB options are not suitable under the Canadian Electrical Code (CEC) for product installations in Canada. Only the DRG IU or USB IU are suitable for products installed in Canada.

* Weather-resistant and lockable cover (padlock by others)

DRG - Ground Fault Duplex Receptacle
USB - Duplex Receptacle with USB A and USB C
as Installed

DRG IU - Ground Fault Duplex Receptacle (While in Use)
USB IU - Duplex Receptacle with USB A and USB C (While In Use)
as Installed



Duplex receptacle (DRG, USB, DRG IU and USB IU) is installed on the side opposite to street side. (consult factory for others configurations).

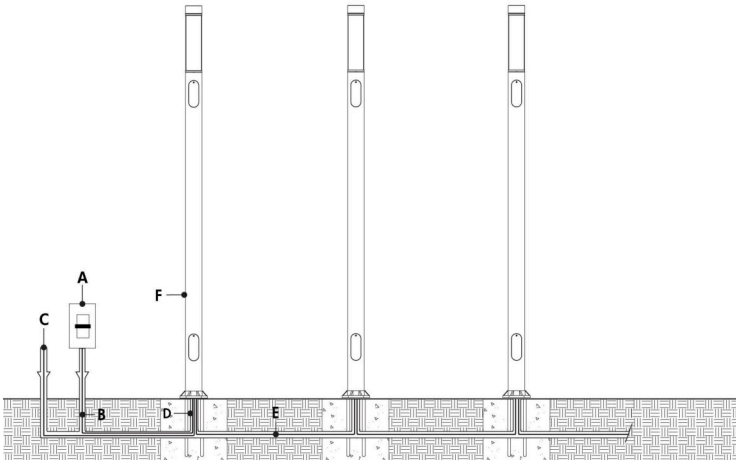
The duplex receptacle must be installed in accordance with applicable national and local electrical and construction codes by a person familiar with the construction and operation of the product and the hazards involved. Refer to national and local electrical codes before selecting a duplex receptacle to ensure all requirements are met.

Typical Wiring Diagrams

Wiring Color Code

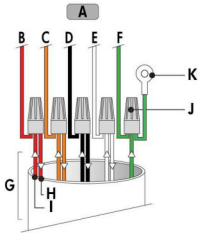
Color	Black	White	Green	Purple/Red	Gray/Orange
Use	Line	Line/Neutral	Ground	0-10V+ /Data +	0-10V- /Data -

0-10V Dimming (DIM)



- A - Dimmer (by others)
- B - Data wiring (by others)
- C - Power input (120-277V, wiring by others)
- D - Conduit (by others)
- E - Power and data wiring (by others)
- F - Luminalta Column

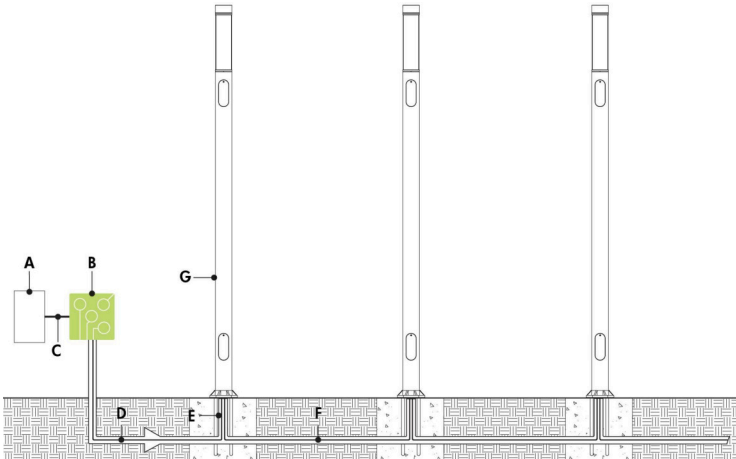
0-10V Dimming (DIM) - Wiring Detail



- A - To fixture
- B - 0-10V +
- C - 0-10V -
- D - Line
- E - Neutral
- F - Ground
- G - Conduit (by others)
- H - To next fixture
- I - Power input or from previous fixture
- J - Wire-nuts (by others)
- K - Ground lug

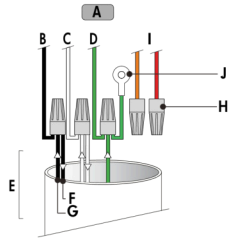
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

Lumentalk (LT)



- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Lumentranslator (LTL-010, -DMX, -TRIAC, -DALI)
- C** - Data wiring (by others)
- D** - Power line (120-277V, wiring by others)
- E** - Conduit (by others)
- F** - Power wiring (by others)
- G** - Lumenalta Column

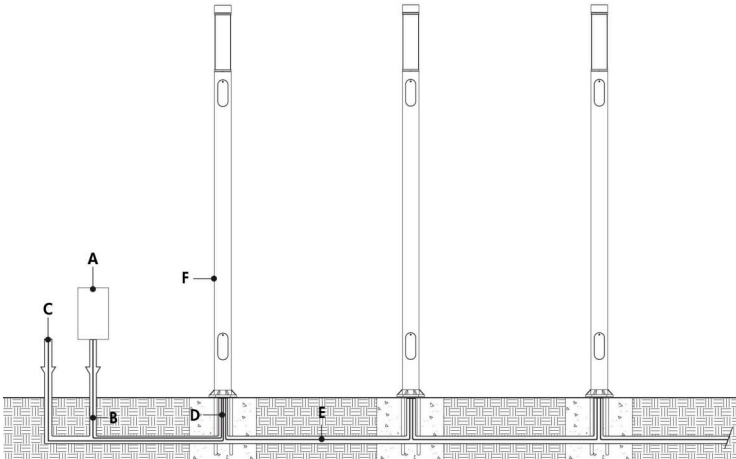
Lumentalk (LT) - Wiring Detail



- A** - To fixture
- B** - Line
- C** - Neutral
- D** - Ground
- E** - Conduit (by others)
- F** - To next fixture
- G** - Power input or from previous fixture
- H** - Wire-nuts (by others)
- I** - Not required
- J** - Ground lug

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.

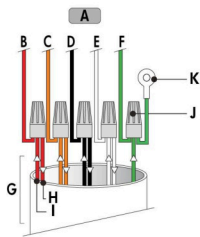
DALI Dimming (DALI)



- A - DALI controller (by others)
- B - Data wiring (by others)
- C - Power input (120-277V, wiring by others)
- D - Conduit (by others)
- E - Power and data wiring (by others)
- F - Lumenalta Column

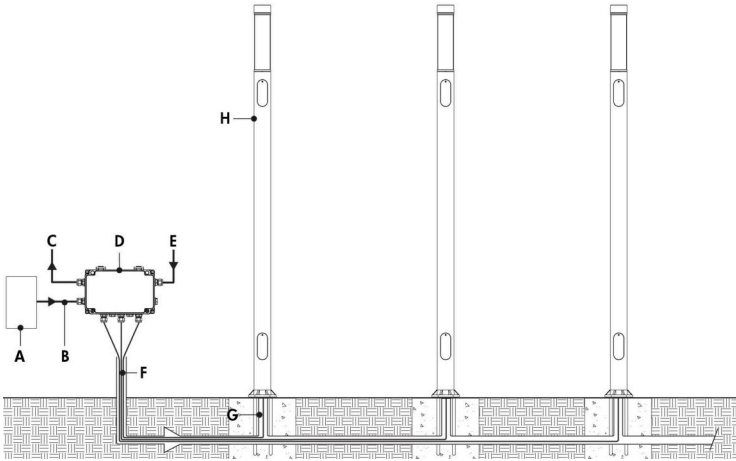
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value.

DALI Dimming (DALI) - Wiring Detail



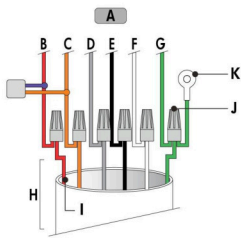
- A - To fixture
- B - Data +
- C - Data -
- D - Line
- E - Neutral
- F - Ground
- G - Conduit (by others)
- H - To next fixture
- I - Power input or from previous fixture
- J - Wire-nuts (by others)
- K - Ground lug

Star Layout (DMX/RDM)



- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (120-277V, wiring by others)
- F - Power and data output to fixture (wiring by others)
- G - Conduit (by others)
- H - Lumenalta Column

DMX/RDM - Wiring Detail (Star Layout)



- A - To fixture
- B - Data +
- C - Data -
- D - DMX Signal common
- E - Line
- F - Neutral
- G - Ground
- H - Conduit (by others)
- I - From CBX or from previous fixture
- J - Wire-nuts (by others)
- K - Ground lug

- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- Each fixture requires 1 DMX address.
- DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.
- 1% minimum dimming value.
- 100 watts per fixture.

How to Order

Housing	Dimensions	Voltage	Total Height (Nominal)	Optical System	Head Height	Lens Finish	Output	Color and Color Temperature	Color Rendering (5)	Distributions
ALTC Lumenalta Column	6 6 in	120 120 Volts	10FT 10 ft ⁽¹⁾ ⁽²⁾	DVO Direct View Optic	H12 14 1/2 in	O Opal Lens	21W 21 W/ft	22K 2200K	CRI 90 CRI 90+ (White Light Only)	5 Type V
		208 208 Volts	11FT 11 ft ⁽²⁾		H24 26 1/2 in			27K 2700K		
		240 240 Volts	12FT 12 ft		H36 38 1/2 in			30K 3000K		
		277 277 Volts	13FT 13 ft		H48 50 1/2 in			35K 3500K		
			14FT 14 ft					40K 4000K		
			15FT 15 ft					MRGBWP Opticolor+® Mix-at-Source Red, Green, Blue Plus White Settable Range 24K to 65K ⁽³⁾		
			16FT 16 ft					MRGROYWP Opticolor+® Mix-at-Source Red, Green, Royal Blue Plus White Settable Range 24K to 65K ⁽³⁾ ⁽⁴⁾		
			17FT 17 ft							
			18FT 18 ft							
			19FT 19 ft							
			20FT 20 ft							

- Notes:
1. Not available for H36 Head Height.

2. Not available for H48 Head Height.

3. Available with DMX/RDM, LT and DALI Control Options only.

4. Consult factory for details.

5. Available for 22K, 27K, 30K, 35K and 40K color temperatures only.

How to Order

Finish	Control	Option	Anchor Bolts Option	Base Cover Options
BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® BKTX Textured Black BRZTX Textured Bronze Non-Metallic GRATX Textured Medium Gray GRNTX Textured Green WHTX Textured White CC Custom Color & Finish ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾	DIM 0-10V Dimming ⁽⁹⁾ LT Lumentalk Enabled Dimming ⁽¹⁰⁾ DMX/RDM DMX/RDM Enabled Dimming ⁽¹¹⁾ DALI DALI Dimming ⁽¹²⁾ ⁽¹³⁾	VRN Normal Vibration Rating ⁽¹⁴⁾ CRC Corrosion-Resistant Coating ⁽¹⁵⁾ ⁽¹⁶⁾ SP Surge Protector DRG Ground Fault Duplex Receptacle ⁽¹⁷⁾ ⁽¹⁸⁾ ⁽¹⁹⁾ DRG IU Ground Fault Duplex Receptacle (While in Use) ⁽¹⁷⁾ ⁽¹⁸⁾ ⁽¹⁹⁾ USB Duplex Receptacle with USB A and USB C ⁽¹⁷⁾ ⁽¹⁸⁾ ⁽¹⁹⁾ USB IU Duplex Receptacle with USB A and USB C (While in Use) ⁽¹⁷⁾ ⁽¹⁸⁾ ⁽¹⁹⁾ IAP Internal Anchor Plate ⁽²⁰⁾ ⁽²¹⁾ ⁽²²⁾ EAP External Anchor Plate ⁽²²⁾ DB Direct Burial ⁽²⁰⁾ ⁽²³⁾	AB Anchor Bolts ⁽²²⁾	WL Round Base Cover WL for 6 in Pole WC Round Base Cover WC for 6 in Pole WO Round Base Cover WO for 6 in Pole WY Round Base Cover WY for 6 in Pole

Notes:

- 6.** Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

7. Setup charges apply for RAL colors. Consult factory for details.

8. Longer lead times can be expected for custom RAL color finishes.

9. Not available for MRGBWP and MRGROYWP Color Temperatures. Segment control (resolution by foot) not available.

10. A Lumentranslator 2 (LT12) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

11. A Control Box (CBX) and LumenID (LID) must be specified.

12. DALI 2 T6 controller required for static white (22K, 27K, 30K, 35K, 40K), provided by others. Segment control (resolution by foot) not available.
- 13.** DALI 2 T8 controller required for MRGBWP and MRGROYWP, provided by others. Segment control (resolution by foot) not available.

14. VRN must be specified for all installations.

15. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

16. Setup charges apply. Consult factory for details.

17. Not available with LT control option.

18. Only one duplex receptacle can be specified per fixture.

19. Maximum operating temperature with is -31 °F.

20. Must be specified with VRN (Normal Vibration Rating).

21. Not available for Total Heights of 16 ft and above.

22. Not required for DB Direct Burial option.

23. Not available for Total Heights of 17 ft and above.