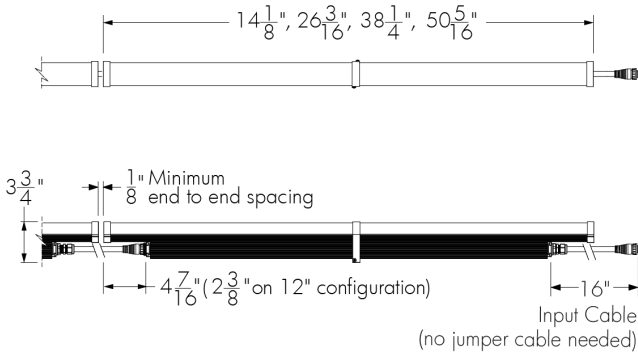


Project Name

Qty

Type

Catalog / Part Number



Top view

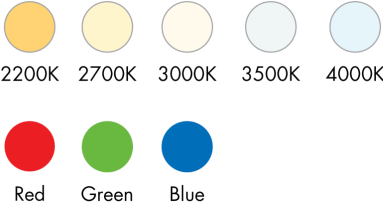
Front and side views

Optic



Direct view

Colors and Color Temperatures



Control

ON/OFF 0-10V DALI DMX/RDM



Rating

IP66

Lumencycle™ Program



Description

The Lumencove XT Direct View is a system of direct view linear LED luminaires for media façades and delineation of large-scale structures such as bridges and towers. IP66-rated for sustained outdoor use, Lumencove XT Direct View luminaires can be arranged in patterns or in long continuous lines of light. A domed acrylic diffuser lens produces perfectly uniform and saturated light that can be controlled with up to 12 in resolution for dynamic shows and monochrome video effects. The luminaire is available in 12 in, 24 in, 36 in and 48 in sections, with a choice of color temperatures, controls, finishes and mounting options.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Length (Nominal)	12 in, 24 in, 36 in, 48 in
Optics	Direct view
Option	Corrosion-Resistant Coating for Hostile Environments 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications CE (certification covers European Economic Area) Clear end caps
Power Consumption	5 W/ft
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output	850 lm (4000K, 48 in fixture)
Color Consistency	2 SDCM
Color Rendering	Minimum CRI 80
Lumen Maintenance	L70 126,000 hrs (Ta 25 °C and Ta 40 °C) L95 19,000 hrs (Ta 25 °C and Ta 40 °C)

Certifications



Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Tempered glass lens combined with extruded acrylic UV and impact resistant opal diffuser
Hardware Material	Stainless steel
End Cap Material	Aluminum, Acrylic (CEC option only)
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	12 in: 3.7 lbs, 24 in: 5.6 lbs, 36 in: 8.8 lbs, 48 in: 10.8 lbs

Electrical and Control

Fixture Cable	Power and data in one cable, End-to-end standard configuration: 16 in black input cable (no jumper cable needed)
Leader Cable Conductor	5C #16-5
Fixture Cable and Connector Color	Black cable (black connector) or white cable (black connector) for leader and jumper cables
Maximum Cable and Fixture Run Length	Up to 350 ft (On/Off, DALI, DMX/RDM, 277V, RO version)
Control	On/Off Control, Lumentalk, 0-10V Dimming, DALI Dimming, DMX/RDM Enabled
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit

Environmental

Storage Temperature	-40 °F to 122 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-13 °F to 122 °F
Environment	Dry/damp/wet location
Ingress Protection Rating	IP66 Wet location rated
Impact Resistance Rating	IK10

Accessories (Order Separately)

Cables	Leader Cable, Jumper Cable
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration), Lumentalk Data Bridge
Control Systems	Lumenscene™ (LSC), Pharos® Designer Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT)
Diagnostic and Addressing Tools	LumenID (LID)

Operation and Maintenance

Lumencycle™ Program

Lumencycle-enabled fixtures are designed for serviceability and circular lifecycle management. Lumenpulse will provide factory refurbishment programs, allowing luminaires to be restored and redeployed rather than replaced.

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.

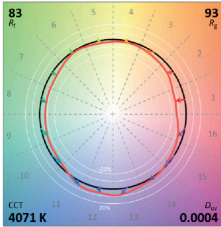
Lumencycle™ Program

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>.

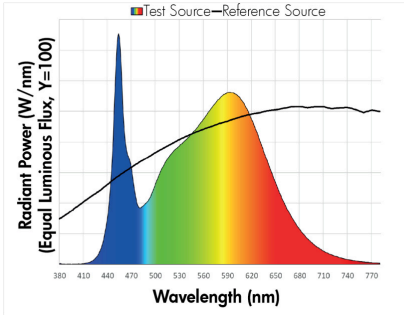
Chromaticity Data

TM-30 - 4000K

CCT	CIE	TM-30
4000K	R _a 83	83 R _f
	R _g 4	93 R _g

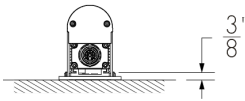


Spectral Power Distribution

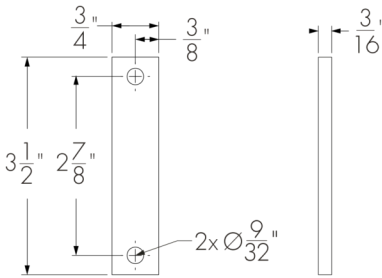


Mounting Options

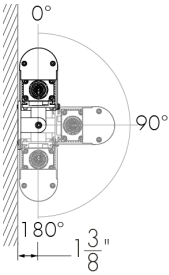
UMP - Fixed Mounting



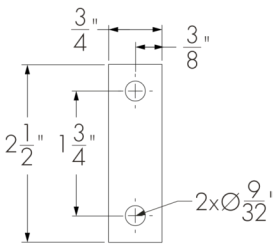
UMP - Mounting Hole Pattern



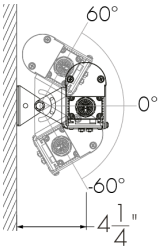
UMAS - Universal Adjustable Mounting



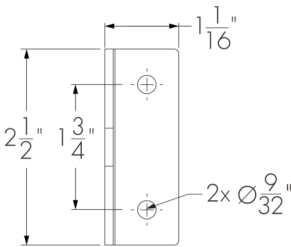
UMAS - Mounting Hole Pattern



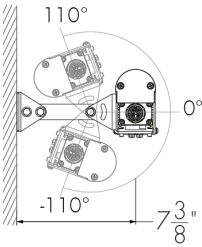
WAM2 - Adjustable Wall Mounting 2 in



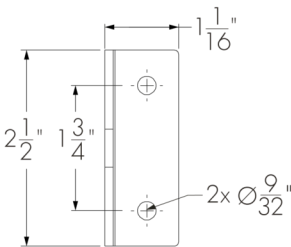
WAM2 - Mounting Hole Pattern



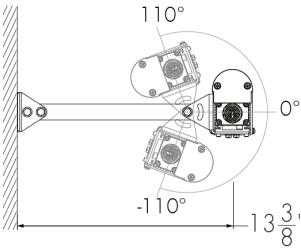
WAM6 - Adjustable Extended Arm Mounting 6 in



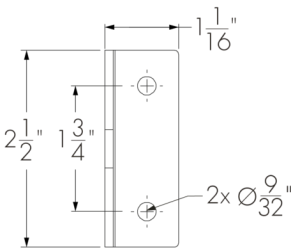
WAM6 - Mounting Hole Pattern



WAM12 - Adjustable Extended Arm Mounting 12 in

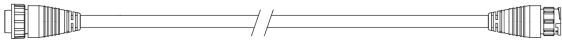


WAM12 - Mounting Hole Pattern



Cables (Order Separately)

LXTLC - Leader Cable For Lumencove XT



LXTLC-CERTIFICATION-CONTROL-LENGTH-CABLE COLOR

Please specify:

CERTIFICATION: UL or CE; **CONTROL:** NO/DIM or DMX/RDM; **LENGTH:** 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft; **CABLE COLOR:** BK (black) or WH (white) (connectors are black as standard).

- For NO, LT, DIM, DIM/DTW, DALI and ES fixture control options: specify the NO/DIM control option for the leader cable.
- Sealing endcap is mandatory for any unused connector. One (1) included with every NO/DIM leader cable.
- For DMX/RDM and DMX/RDM1 fixture control options: specify the DMX/RDM control option for the leader cable.
- DMX terminator is mandatory for any unused connector. One (1) included with every DMX/RDM leader cable.
- Consult Lumencove XT leader cable specification sheet for details.

LXTJC - Jumper Cable For Lumencove XT



LXTJC-CERTIFICATION-LENGTH-CABLE COLOR

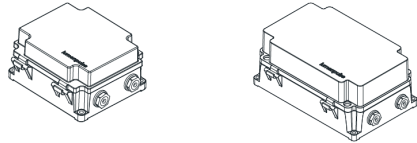
Please specify:

CERTIFICATION: UL or CE; **LENGTH:** 1 ft to 30 ft (available in 1 ft increments) or 50 ft; **CABLE COLOR:** BK (black) or WH (white) (connectors are black as standard).

- Suitable for dimming/data and on/off applications (NO, LT, DIM, DIM/DTW, DALI, DMX/RDM and DMX/RDM1 fixture control options).
- Consult Lumencove XT jumper cable specification sheet for details.

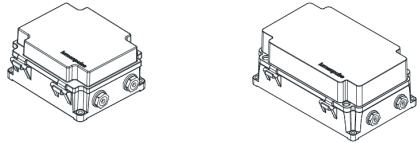
Control Boxes (Order Separately)

CBX-DMX/RDM - DMX/RDM Enabled (Daisy Chain or Star Configuration)



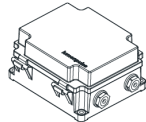
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

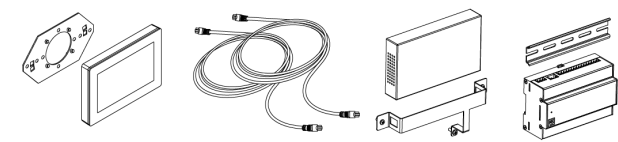
LDB - Lumentalk Data Bridge



The Lumentalk Data Bridge is a digital interface that connects non-Lumentalk luminaires to the Lumentalk network, 0-10V or DMX output. Consult LDB specification sheet for details.

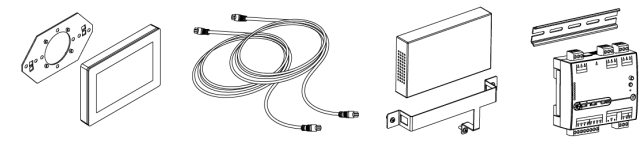
Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



The Pharos Designer Lighting Control Kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations.

EXPERT - Pharos® Expert Control Kit



The Pharos Expert Control Kit, available for 1, 2, 4 or 6 DMX universes, allows for complete control of large lighting installations.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID

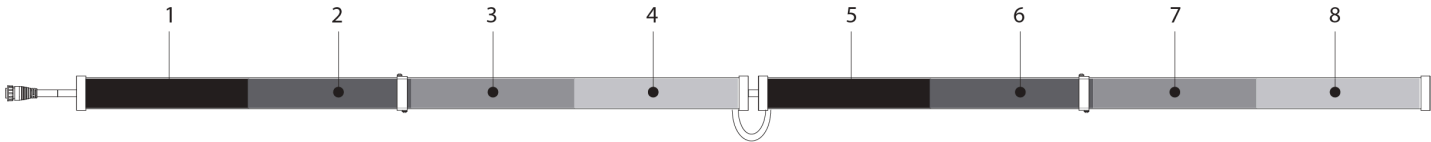


The updated LumenID (LID) is an all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Cable option may vary; please consult factory. For complete details, refer to the LID specification sheet.

Resolution Details

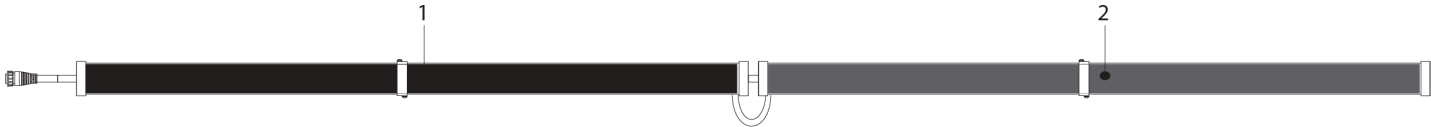
DMX/RDM Control, Resolution Per Foot: Each 12 in Section is Addressed Independently

DMX Addresses:



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

DMX Addresses:



- 48 in fixtures shown.
- 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.

Typical Wiring Diagrams

Wiring Color Code

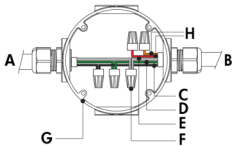
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -

On/Off Control (NO)



- A - Power input (120-277V, wiring by others)
- B - Junction box (by others)
- C - Leader cable (LXTLC)
- D - Lumencove XT Direct View
- E - Jumper cable (LXTJC) (optional)
- F - Sealing end cap

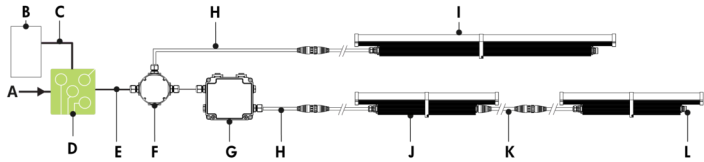
On/Off Control (NO) - Wiring Detail



- A - Power input
- B - To fixture
- C - Line
- D - Ground
- E - Line/Neutral
- F - Wire-nuts (by others)
- G - Junction box (by others)
- H - Not required

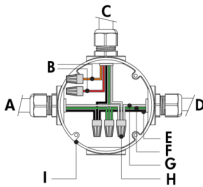
- Consult factory for specific applications and maximum fixture count cable length recommendations.
- 5 W/ft

Lumentalk (LT)



- A - Power input (100-277V AC, wiring by others)
- B - Dimmer/controller (order separately from lumenpulse, or by others)
- C - Data wiring (by others)
- D - Lumentranslator 2 (LTL2-010, -DMX, -TRIAC, -DALI)
- E - Power wiring (by others)
- F - Junction box (by others)
- G - Lumentalk Data Bridge (LDB-DIM or LDB-DMX)
- H - Leader cable (LXTLC)
- I - Lumencove XT Direct view (24 in, 36 in or 48 in fixture lengths)
- J - Lumencove XT Direct view (12 in)
- K - Jumper cable (LXTJC) (optional)
- L - Sealing end cap

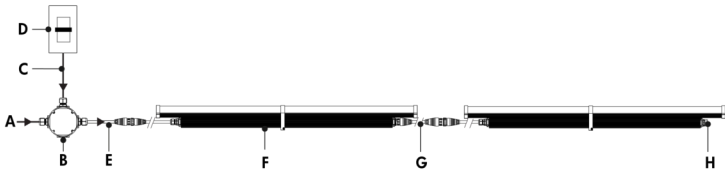
Lumentalk (LT) - Wiring Detail



- A - Power input (control over power line via Lumentalk system)
- B - Not required
- C - To fixture
- D - To Lumentalk Data Bridge (for run lengths with 12 in fixtures)
- E - Line
- F - Ground
- G - Line/Neutral
- H - Wire-nuts (by others)
- I - Junction box (by others)

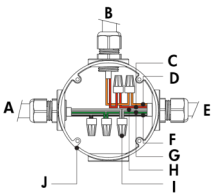
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for 12 in fixture lengths, see LDB installation instructions for details.
- For applications with all fixtures controlled as 1 zone : fixtures and Lumentalk Data Bridge must be specified as DIM. Maximum of 10 fixtures per LDB-DIM, consult factory for applications that require additional capabilities.
- For applications with fixtures controlled individually : fixtures and Lumentalk Data Bridge must be specified as DMX, 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID. 2 - Lumentalk system using LumentalkID software and a LID. Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
- 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.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.
- 5 W/ft

0-10V Dimming (DIM)



- A - Power input (120-277V, wiring by others)
- B - Junction box (by others)
- C - Data wiring (by others)
- D - Dimmer (by others)
- E - Leader cable (LXTLC)
- F - Lumencove XT Direct view
- G - Jumper cable (LXTJC) (optional)
- H - Sealing end cap

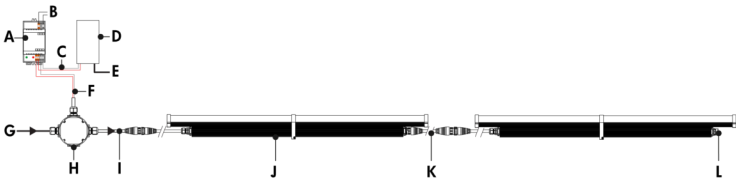
0-10V Dimming (DIM) - Wiring Detail



- A - Power input
- B - From dimmer (by others)
- C - 0-10V +
- D - 0-10V -
- E - To fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nuts (by others)
- J - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length cannot exceed 8A per linear run OR maximum amperage capacity of the specified dimmer.
- 0-10V mA ratings : passive dimmer (Current Sink) : 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.
- 5 W/ft

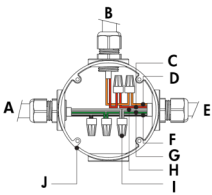
DALI Dimming (DALI)



- A - DALI bus power supply (by others)
- B - Power input for DALI bus power supply (wiring by others)
- C - Data output to DALI controller (by others)
- D - DALI controller (by others)
- E - Power input for DALI controller (wiring by others)
- F - Data output to fixture (wiring by others)
- G - Power input (120-277V, wiring by others)
- H - Junction box (by others)
- I - Leader cable (LXTLC)
- J - Lumencove XT Direct view
- K - Jumper cable (LXTJC) (optional)
- L - Sealing end cap

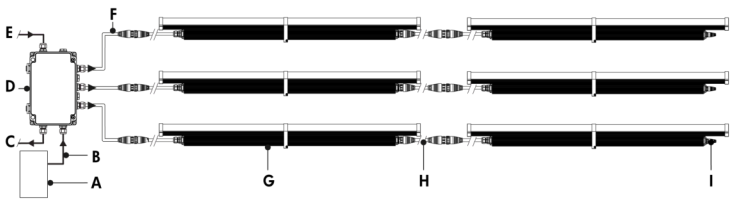
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value.
- 5 W/ft
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

DALI Dimming (DALI) - Wiring Detail



- A - Power input
- B - From DALI controller (by others)
- C - DA +
- D - DA -
- E - To fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nuts (by others)
- J - Junction box (by others)

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 - Leader cable (LXTLC)
- G - Lumencove XT Direct View
- H - Jumper cable (LXTJC) (optional)
- I - DMX Terminator (last fixture in DMX/RDM run only)

Daisy Chain 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-DS
- E - Power input (120-277V, wiring by others)
- F - Leader cable (LXTLC)
- G - Lumencove XT Direct View
- H - Jumper cable (LXTJC) (optional)
- I - DMX Terminator (last fixture in DMX/RDM run only)

Maximum Run of Fixtures, Lumencove® XT White & Static Colors 5W/ft

Voltage	120V	240V	277V
Maximum Run of Fixtures*	128ft		

Based on 8A maximum, 50ft leader cable.
*Example: 120V = 128ft maximum run of end to end fixtures (32 fixtures maximum for 4ft LXTD).

- Refer to CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations. Maximum run length calculations are typically based on 48 in fixtures.
- 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, maximum of 1 output per CBX-DS.
- DMX terminator is required at the end of each run to maintain data integrity. One (1x) DMX terminator included with each leader cable. See installation instructions for details.
- Each fixture requires 1 DMX address.
- 1% minimum dimming value.
- 5 W/ft

How to Order

Housing	Voltage	Length	Color and Color Temperature ⁽²⁾	Mounting Options	Finish	Control	Option	Buy America.n Act
LXTD Lumencove® XT Direct View, 5 W/ft	120	12	22K	UMP	BK	NO	CRC	BAA
	120 Volts	14 1/8 in (3.7 lbs) ⁽¹⁾	2200K	Fixed Mounting ⁽⁴⁾	Black Sandtex®	On/Off Control	Corrosion-Resistant Coating ⁽¹¹⁾ ⁽¹²⁾	Buy America.n ⁽¹⁴⁾ ⁽¹⁵⁾
	208	24	27K	UMAS	BRZ	LT	3GV	
	208 Volts	26 3/16 in (5.6 lbs)	2700K	Universal Adjustable Mounting ⁽⁴⁾	Bronze Sandtex®	Lumentalk ⁽¹⁾ ⁽⁸⁾ ⁽⁹⁾	3G ANSI C136.31-2010 Vibration Rating for Bridge Applications ⁽¹³⁾	
	220	36	30K	WAM2	SI	DIM	CE	
	220 Volts	38 1/4 in (8.8 lbs)	3000K	Adjustable Wall Mounting 2 in	Silver Sandtex®	0-10V Dimming	CE (European certification)	
	240	48	35K	WAM6	WH	DALI	CEC	
	240 Volts	50 5/16 in (10.8 lbs)	3500K	Adjustable Extended Arm Mounting 6 in	Smooth White	DALI Dimming	Clear end caps	
	277		40K	WAM12	CC	DMX/RDM		
	277 Volts		4000K	Adjustable Extended Arm Mounting 12 in	Custom Color & Finish ⁽⁵⁾ ⁽⁶⁾ ⁽⁷⁾	DMX/RDM Enabled Dimming ⁽¹⁰⁾		
			RD Red ⁽³⁾					
			GR Green ⁽³⁾					
			BL Blue ⁽³⁾					

Notes:

1. To connect 12 in fixture lengths to the Lumentalk system, DIM or DMX/RDM must be specified as the control option, and a Lumentalk Data Bridge (LDB) is required. See the typical wiring diagrams in the specification sheet for details.

2. Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.

3. Static colors made to order 8-10 weeks.

4. Suitable to use when 3GV option is specified.

5. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

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

7. Longer lead times can be expected for custom RAL color finishes.
8. Available for 24 in, 36 in and 48 in fixture lengths only.

9. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

10. A control box (CBX) and LumenID (LID) must be specified.

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

12. Setup charges apply. Consult factory for details.

13. Available with UMP and UMAS mounting options only.

14. Not available with CE certification option.

15. Contact your Lumenpulse Sales Representative for more information on order volume details.