Project Name _____ Qty _____

Type _____ Catalog / Part Number _____

$13\frac{3}{8}$", $25\frac{3}{8}$", $37\frac{3}{8}$", $49\frac{3}{8}$"

Top view

$2\frac{1}{2}$"

$\frac{1}{8}$" Minimum end to end spacing

4" (2" on 12" configuration)

16"
Input cable
(no jumper cable needed)

$2\frac{3}{16}$"
Minimum cove width: $3\frac{1}{2}$"
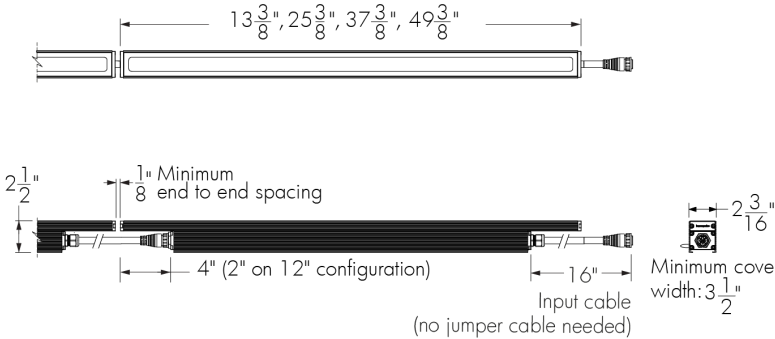
Front and side views

Photometric Summary

RO - Regular output [2]

CCT	Delivered Output [lm]	Power [W]	Efficacy [lm/W]
2200K	1279	19	67
2700K	1817	19	96
3000K	1859	19	98
3500K	1943	19	102
4000K	2065	19	109

HO - High output [2]

CCT	Delivered Output [lm]	Power [W]	Efficacy [lm/W]
2200K	2608	39	67
2700K	3701	39	95
3000K	3785	39	97
3500K	3954	39	101
4000K	4206	39	108

1. Photometric performance is measured in compliance with IESNA LM-79-24.

2. Use 0.25 multiplier for each 12 in section.

3. Consult website for the latest photometric files.

Optic

110°x110°

Description

The Lumencove® XT is a slim, IP66-rated LED luminaire for exterior cove lighting and tight space applications. The system offers myriad options: white light in various color temperatures and outputs, as well as a choice of mounting options and finishes. Built from sturdy aluminum and tempered glass, the Lumencove XT features a standard 16 in black cable at input, allowing continuous end-to-end runs without the need for additional jumper cables. The luminaire is available in 12 in, 24 in, 36 in and 48 in sections, enabling both linear and radial layouts.
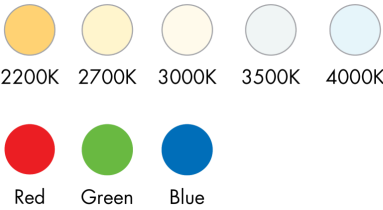
Features

Length (Nominal)	**12:** 12 in, **24:** 24 in, **36:** 36 in, **48:** 48 in
Optics	110° x 110°
Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Power Consumption	5 W/ft (RO version, meets ASHRAE standards for linear lighting on building facades), 12 W/ft (HO version)
Warranty	5-year limited warranty
Option	Corrosion-Resistant Coating for Hostile Environments 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications CE (certification covers European Economic Area)

Performance

Maximum Delivered Output	4206 lm (HO 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)

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1 / 12

Colors and Color Temperatures

2200K 2700K 3000K 3500K 4000K

Red Green Blue

Control

ON/OFF   0-10V   DALI   DMX/RDM

lumentalk

Ratings

IP66   IK07

Certifications

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Aluminum
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	12 in: 3 lbs, 24 in: 4.6 lbs, 36 in: 7.2 lbs, 48 in: 9 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	IK07

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® Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT)
Diagnostic and Addressing Tools	LumenID (LID)

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2 / 12

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.
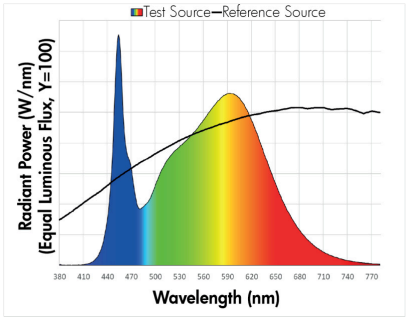
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R_a	83	83	R_f
	R_9	4	93	R_g
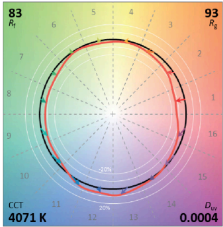
Spectral Power Distribution

Mounting Options

SAM - Slim Adjustable Mounting
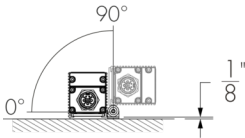
Not suitable when fixture is exposed to wind.
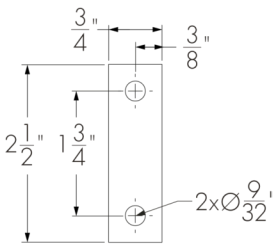
SAM - Mounting Hole Pattern
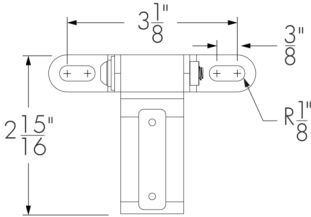
UMP - Fixed Mounting

UMP - Mounting Hole Pattern

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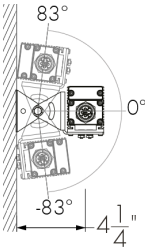www.lumenpulse.com   www.lumenpulse.com/products/4937

3 / 12
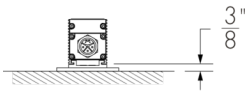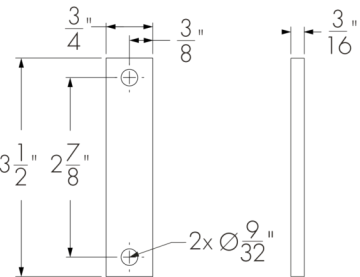
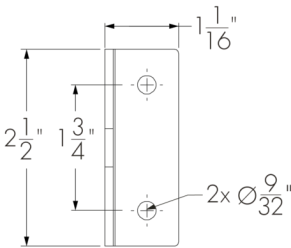## UMAS - Universal Adjustable Mounting
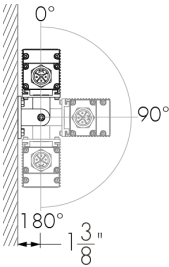
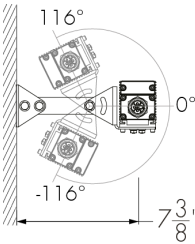## UMAS - Mounting Hole Pattern
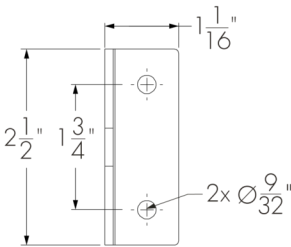

WAM2 - Adjustable Wall Mounting 2 in
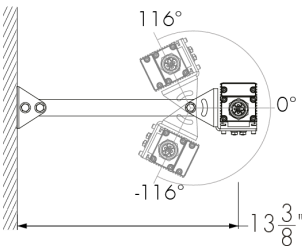

WAM2 - Mounting Hole Pattern

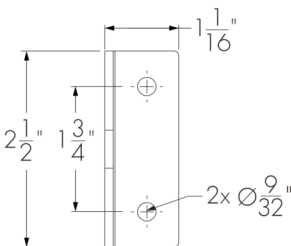## WAM6 - Adjustable Extended Arm Mounting 6 in

WAM6 - Mounting Hole Pattern
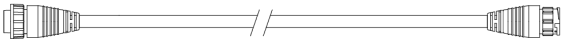

WAM12 - Adjustable Extended Arm Mounting 12 in

WAM12 - Mounting Hole Pattern

Cables (Order Separately)

LXTLC - Leader Cable For Lumencove XT
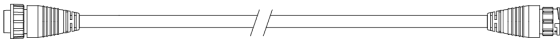

LXTLC-**CERTIFICATION-CONTROL-LENGTH-CABLE COLOR**
Please specify:
CERTIFICATION: UL or CE; **CONTROL**: NO/DIM or DMX/RDM; **LENGTH:** 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft; **CABLE COLOR:** BK (black) or WH (white) (connectors are black as standard).

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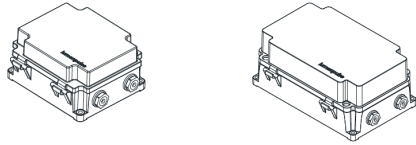
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)
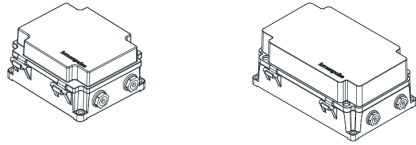
Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.
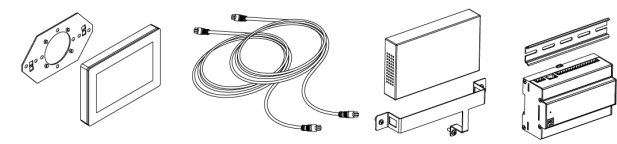
LDB - Lumentalk Data Bridge
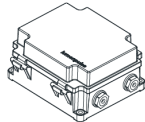
The Lumentalk Data Bridge is a digital interface that connects non-Lumentalk luminaires to the Lumentalk network, 0-10V or DMX output. Consult LDB specification sheet for details.

Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Contol Kit

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

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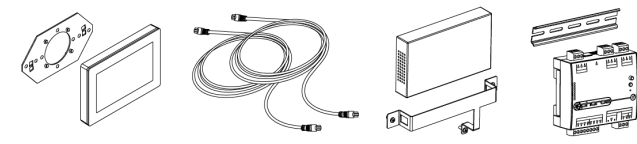
The Pharos Expert Control Kit, available for 1, 2, 4 or 6 DMX universes, allows for complete control of large lighting installations.

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5 / 12

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID

The updated LumenID (LID) is now your 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. Consult the LID specification sheet for full details.
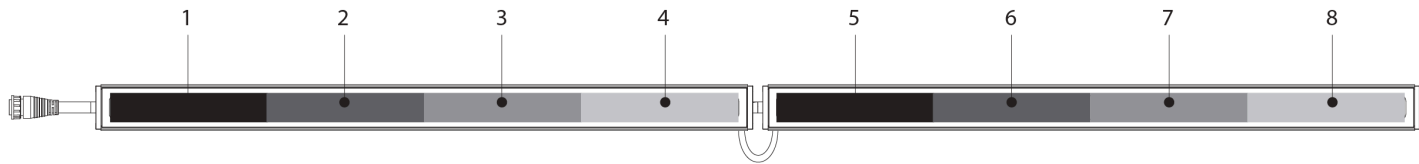
Resolution Details

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:
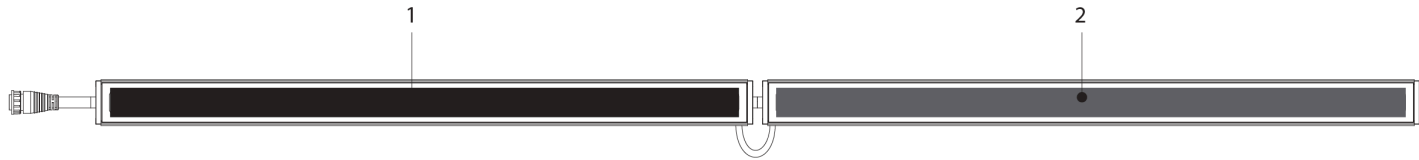
- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

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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
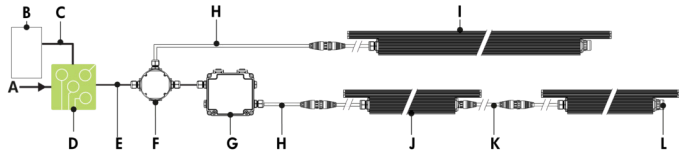**E -** Jumper cable (LXTJC) (optional)
F - Sealing end cap

On/Off Control (NO) - Wiring Detail
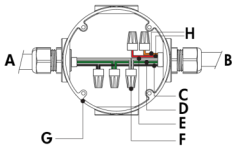
A - Power input
B - To fixture
C - Line
D - Ground
E - Line/Neutral
F - Wire-nuts (by others)
G - Junction box (by others)
H - Not required

- Consult factory for specific applications and maximum fixture count cable length recommendations.
- Regular Output version : 5 W/ft, High Output version : 12 W/ft.

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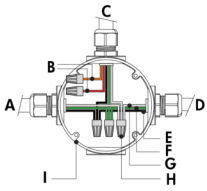2025.08.19 Copyright © 2025 LMPG Inc.
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7 / 12

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 (24 in, 36 in or 48 in fixture lengths)
J - Lumencove XT (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)
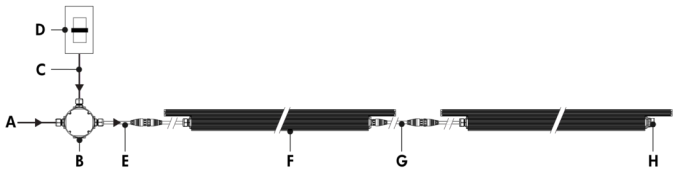**I -** Junction box (by others)

- 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.
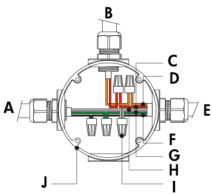- Regular Output version : 5 W/ft, High Output version : 12 W/ft.

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
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.
- Regular Output version : 5 W/ft, High Output version : 12 W/ft.

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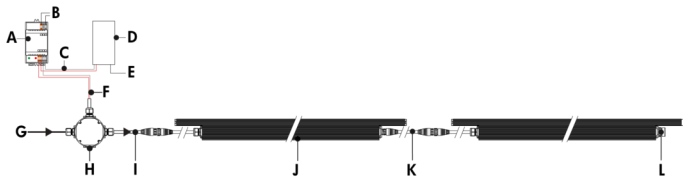
A - DALI bus power supply (by others)
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (by others)
D - DALI controller (by others)
E - Power input for DALI controller (wiring by others)
F - Data output to fixture (wiring by others)
G - Power input (120-277V,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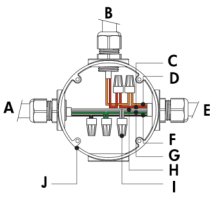**K -** Jumper cable (LXTJC) (optional)
L - Sealing end cap

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)
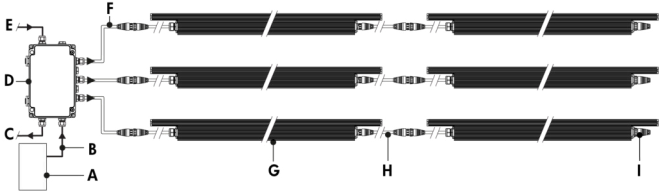**J -** Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value.
- Regular Output version : 5 W/ft, High Output version : 12 W/ft.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

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10 / 12

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
H - Jumper cable (LXTJC) (optional)
I - DMX Terminator (last fixture in DMX/RDM run only

Daisy Chain Layout (DMX/RDM)
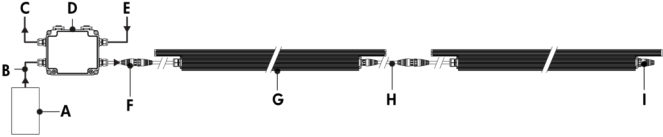
A - DMX/RDM controller (order separately from Lumenpulse, or by others)
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (120-277V, wiring by others)
F - Leader cable (LXTLC)
G - Lumencove XT
H - Jumper cable (LXTJC) (optional)
I - DMX Terminator (last fixture in DMX/RDM run only)

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

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

Maximum Run of Fixtures, Lumencove® XT White & Static Colors HO 12W/ft

Voltage	120V	240V	277V
Maximum Run of Fixtures*	71ft	128ft	128ft

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

- 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 1output 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.
- Regular Output version : 5 W/ft, High Output version : 12 W/ft.

How to Order

Housing	Voltage	Length	Color and Color Temperature (2)	Mounting Options	Finish	Control	Option	Buy America.n Act
LXT RO Lumencove® XT Regular Output, 5 W/ft (ASHRAE compliant) **LXT HO** Lumencove® XT High Output, 12 W/ft	**120** 120 Volts **208** 208 Volts **220** 220 Volts **240** 240 Volts **277** 277 Volts	**12** 13 3/8 in (3 lbs) (1) **24** 25 3/8 in (4.6 lbs) **36** 37 3/8 in (7.2 lbs) **48** 49 3/8 in (9 lbs)	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **RD** Red (3) **GR** Green (3) **BL** Blue (3)	**SAM** Slim Adjustable Mounting **UMP** Fixed Mounting (4) **UMAS** Universal Adjustable Mounting (4) **WAM12** Adjustable Extended Arm Mounting 12 in **WAM2** Adjustable Wall Mounting 2 in **WAM6** Adjustable Extended Arm Mounting 6 in	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth White **CC** Custom Color & Finish (5) (6) (7)	**NO** On/Off Control **LT** Lumentalk (1) (8) (9) **DIM** 0-10V Dimming **DALI** DALI Dimming **DMX/RDM** DMX/RDM Enabled Dimming (10)	**CRC** Corrosion-Resistant Coating (11) (12) **3GV** 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications (13) **CE** CE (European certification)	**BAA** Buy America.n (14) (15)

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.