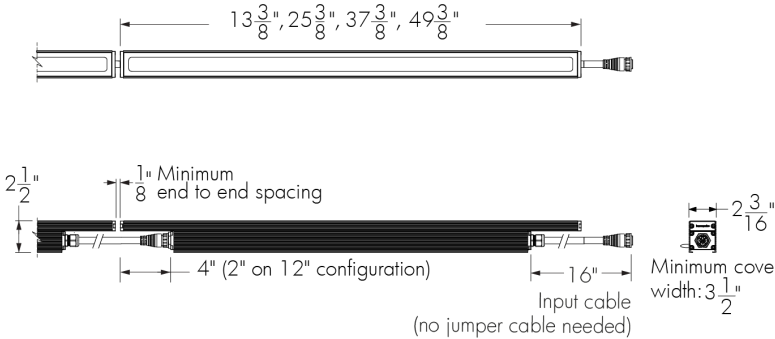


Project Name

Qty

Type

Catalog / Part Number



Top view

Front and side views

Photometric Summary

RO - Regular output ^[2]	Delivered output (lm)	Power [W]
DMX/RDM 3-channel control (DMX/RDM)		
DWW (CCT @2,600) ^[3]	972	20.8
DWH (CCT @4,000) ^[3]	1,051	20.8
Dim to Warm via DMX/RDM Single channel control (DMX/RDM1)		
DWW (CCT @2,700) ^[3]	875	20.8
Dim to Warm via 0-10V (DIM/DTW)		
DWW (CCT @2,700) ^[3]	875	20.8

HO - High output ^[2]	Delivered output (lm)	Power [W]
DMX/RDM 3-channel control (DMX/RDM)		
DWW (CCT @2,600) ^[3]	2,511	44
DWH (CCT @4,000) ^[3]	2,713	44
Dim to Warm via DMX/RDM Single channel control (DMX/RDM1)		
DWW (CCT @2,700) ^[3]	2,260	44
Dim to Warm via 0-10V (DIM/DTW)		
DWW (CCT @2,700) ^[3]	2,260	44

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.
⁴ Tested at full output.

Optics



110° x
110°

Description

The Lumencove® XT Dynamic White is a slim, IP66-rated LED luminaire for exterior cove lighting and tight space applications. The system offers the ability to choose and adjust color temperature, as well as a choice of mounting options and finishes. Built from sturdy aluminum and tempered glass, Lumencove XT Dynamic White comes in 12 in, 24 in, 36 in and 48 in sections enabling both linear and radial layouts.

Features

Color and Color Temperature	Dynamic White (2700K to 6500K), Dynamic Warm White (2200K to 3000K)
Length (Nominal)	12 in, 24 in, 36 in, 48 in
Optics	110° x 110°
Option	Corrosion-Resistant Coating for Hostile Environments 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications CE (certification covers European Economic Area)
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

Performance

Maximum Delivered Output	2713 lm (HO DMX/RDM DWH full output, 48 in fixture)
Lumen Maintenance	L70 80,000 hrs (Ta 25 °C) L70 60,000 hrs (Ta 40 °C) L95 11,000 hrs (Ta 25 °C) L95 8,800 hrs (Ta 40 °C)

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass

Color and Color Temperature



D_{WW}
Dynamic Warm White
(2200K to 3000K)



D_{WH}
Dynamic White
(2700K to 6500K)

Control



lumen talk

DIM/DTW

DMX/RDM1

DMX/RDM



DALI T8

Ratings

IP66 IK07

Lumencycle™ Program



Certifications



UL US



CE



RoHS



IP
buy american





5 YEARS
lumenpulse

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 (DIM/DTW, DMX/RDM1, 277V, RO version), Up to 170 ft (DMX/RDM, 277V, RO version)
Control	Lumentalk, Dim to Warm via 0-10V (2700K to 2200K), Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K), 3-Channel Color Temperature Control via DMX/RDM, DALI 2 T8 Enabled Dimming 0.1%
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit
Dynamic Warm Color Temperature Mixing	21 LEDs per 12 in RO version (7x 2200K, 7x 2700K, 7x 3000K), 42 LEDs per 12 in HO version (14x 2200K, 14x 2700K, 14x 3000K)
Dynamic White Color Temperature Mixing	21 LEDs per 12 in RO version (7x 2700K, 7x 4000K, 7x 6500K), 42 LEDs per 12 in HO version (14x 2700K, 14x 4000K, 14x 6500K)
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
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® 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

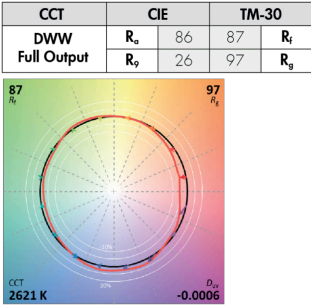
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

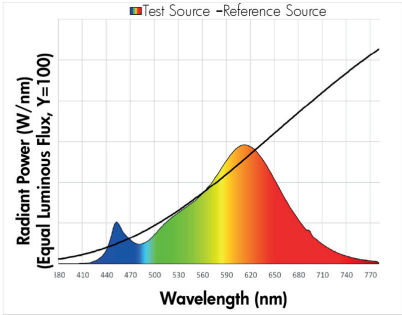
Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures,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

Chromaticity Data

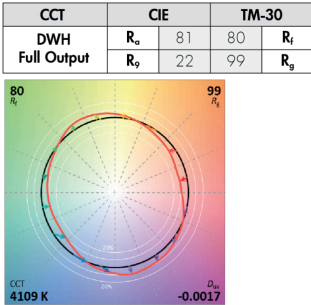
TM-30 - DWW



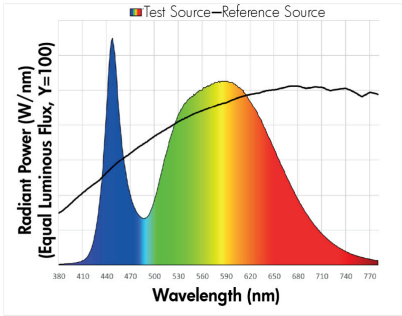
DWW Spectral Power Distribution



TM-30 - DWH

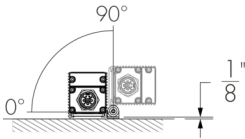


DWH Spectral Power Distribution



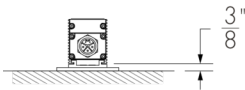
Mounting Options

SAM - Slim Adjustable Mounting

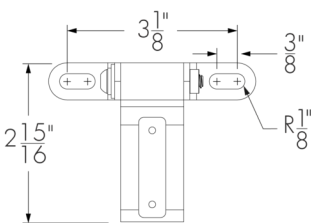


Not suitable when fixture is exposed to wind.

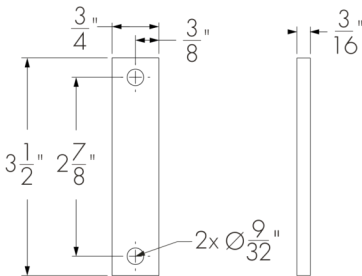
UMP - Fixed Mounting



SAM - Mounting Hole Pattern

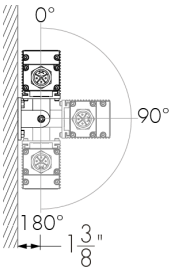


UMP - Mounting Hole Pattern

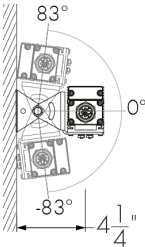


Mounting Options

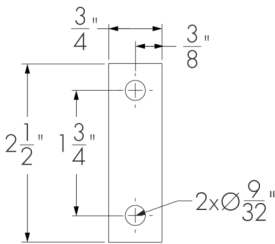
UMAS - Universal Adjustable Mounting



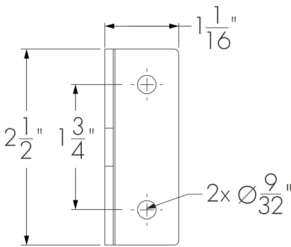
WAM2 - Adjustable Wall Mounting 2 in



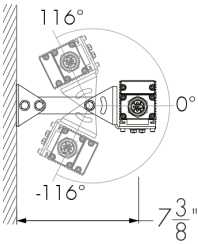
UMAS - Mounting Hole Pattern



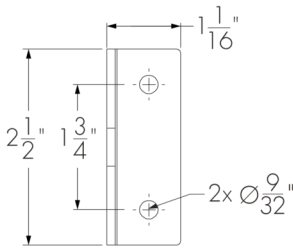
WAM2 - Mounting Hole Pattern



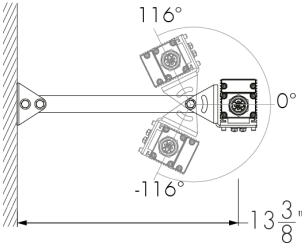
WAM6 - Adjustable Extended Arm Mounting 6 in



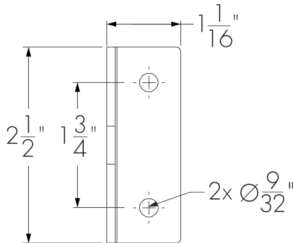
WAM6 - Mounting Hole Pattern



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

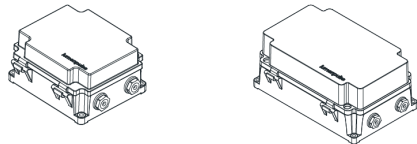
Please specify:

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.

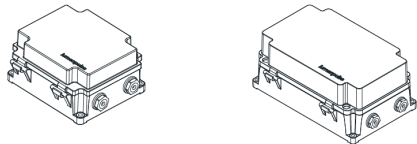
Control Boxes (Order Separately)

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



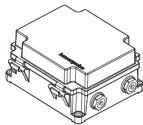
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumeterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

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.

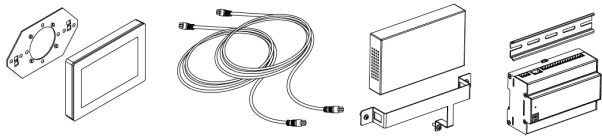
LDB - Lumentalk Data Bridge



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.

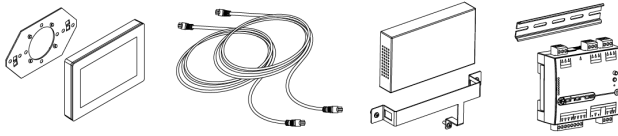
Control Systems (Order Separately)

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

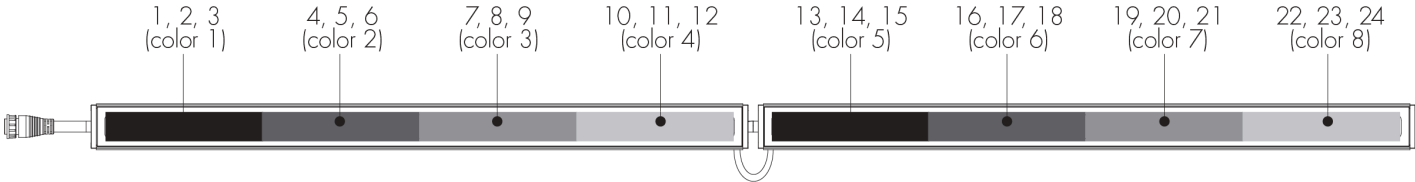


The updated LumenID (LID) is an all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Cable option may vary; please consult factory. For complete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

Resolution Details

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

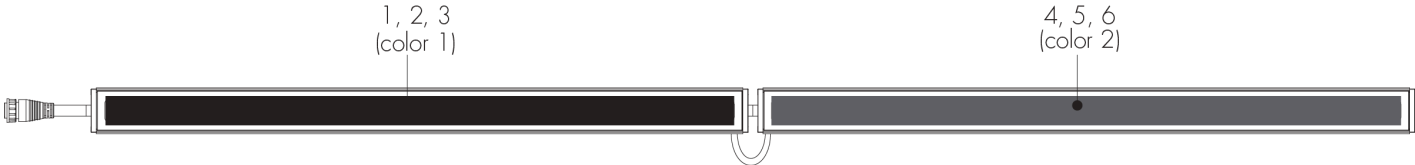
DMX Addresses:



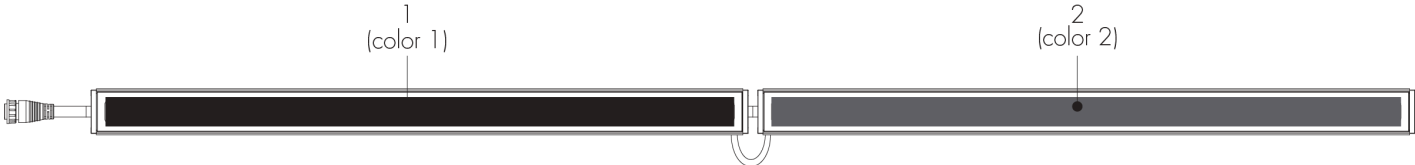
DMX/RDM control option (DWH and DWW)

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

DMX Addresses:



DMX/RDM control option (DWH and DWW)



DMX/RDM1 control option (DWW)

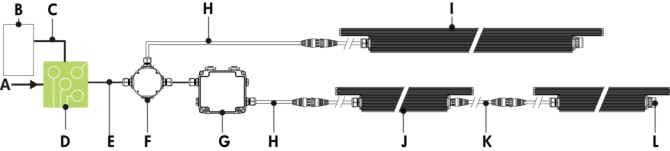
- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Typical Wiring Diagrams

Wiring Color Code

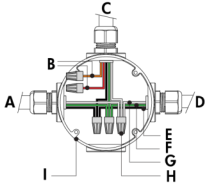
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -

Lumentalk (LT)



- A - Power input (100-277V AC, wiring by others)
- B - DMX/RDM controller (order separately from lumenpulse, or by others)
- C - Data wiring (by others)
- D - Lumentranslator 2 (LTL2-DMX)
- E - Power wiring (by others)
- F - Junction box (by others)
- G - Lumentalk Data Bridge (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

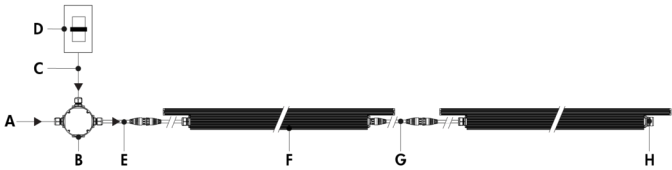


- A - Power input (control over power line via Lumentalk system)
- B - Not required
- C - To fixture
- D - To Lumentalk Data Bridge (for run lengths with 12 in fixtures)
- E - Line
- F - Ground
- G - Line/Neutral
- H - Wire-nuts (by others)
- I - Junction box (by others)

- 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. Fixtures must be specified as DMX/RDM and the 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. Consult factory for details.
- Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
- 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.
- Regular Output version : 5 W/ft, High Output version : 12 W/ft.

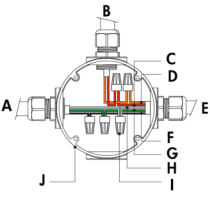
Dim to Warm Via 0-10V (DIM/DTW*)

*Available For DWW Version Only, 2700K to 2200K



- 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

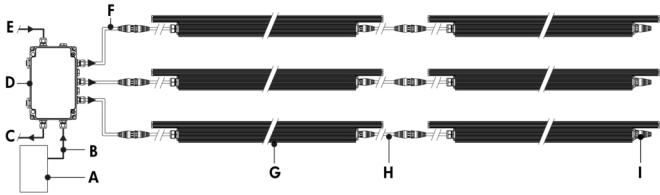
Dim to Warm Via 0-10V (DIM/DTW) - Wiring Detail



- A - Power input
- B - From third party dimmer
- 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)

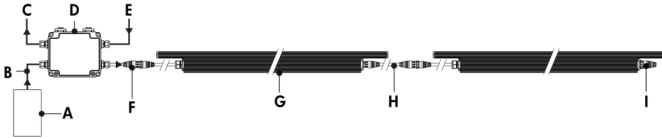
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink) : 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- Regular Output version : 5 W/ft, High Output version : 12 W/ft.

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)



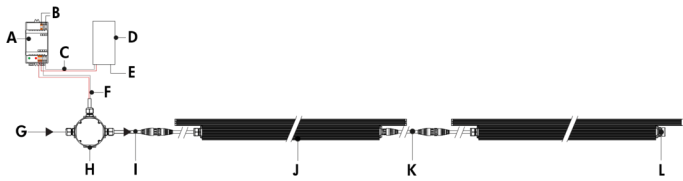
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (120-277V, wiring by others)
- F - Leader cable (LXTLC)
- G - Lumencove XT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

Maximum Run of Fixtures, Lumencove® XT Dynamic White RO 5W/ft			
Voltage	120V	240V	277V
Maximum Run of Fixtures*	128ft		
Maximum Run of Fixtures, Lumencove® XT Dynamic White 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.
- Maximum of 32 DMX/RDM enabled fixtures per CBX output.
- 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.
- DMX/RDM1 control option requires 1 DMX address. DMX/RDM control option requires 3 DMX addresses.
- Regular Output version: 5 W/ft, High Output version : 12 W/ft.

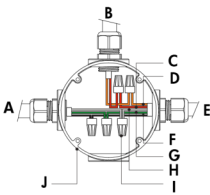
DALI 2 T8 (DALIT8)



- A - DALI bus power supply (by others)
- B - Power input for DALI bus power supply (wiring by others)
- C - Data output to DALI controller (wiring by others)
- D - DALI controller (by others)
- E - Power input for DALI controller (if required, wiring by others)
- F - Data output to fixture
- G - Power input (100-277V, wiring by others)
- H - Junction box (by others)
- I - Leader cable (LXTLC)
- J - LumencoveXT (LXT-DALIT8)
- 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.
- Regular Output version : 5 W/ft, High Output version : 12 W/ft.
- The Lumencove responds to RGBWAF controls.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

DALI 2 T8 (DALIT8) - Wiring Detail



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

How to Order

Housing	Voltage	Length	Color and Color Temperature	Mounting Options	Finish	Control	Option	Buy America.n Act
LXT RO Lumencove® XT Regular Output, 5 W/ft (ASHRAE compliant)	120 120 Volts 208 208 Volts 220 220 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)	DWW Dynamic Warm White (2200K to 3000K) DWH Dynamic White (2700K to 6500K)	SAM Slim Adjustable Mounting UMP Fixed Mounting ⁽²⁾ UMAS Universal Adjustable Mounting ⁽²⁾ WAM2 Adjustable Wall Mounting 2 in WAM6 Adjustable Extended Arm Mounting 6 in WAM12 Adjustable Extended Arm Mounting 12 in	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® WH Smooth White CC Custom Color & Finish ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾	LT Lumentalk ⁽¹⁾ ⁽⁶⁾ ⁽⁷⁾ DIM/DTW Dim to Warm via 0-10V (2700K to 2200K) DMX/RDM1 Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K) ⁽⁸⁾ ⁽⁹⁾ DMX/RDM 3-Channel Color Temperature Control via DMX/RDM ⁽⁹⁾ DALIT8 DALI 2 T8 Enabled Dimming 0.1% ⁽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, DMX/RDM must be specified as the control option, and a Lumentalk Data Bridge (LD8-DMX) is required. See the typical wiring diagrams in the specification sheet for details.

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

3. 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.

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

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

6. Available for 24 in, 36 in and 48 in fixture lengths only.
7. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

8. Available for DWW color temperature option only.

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

10. DALI 2 T8 controller required, provided by others. DALI 2 T8 control uses a single DALI short address.

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.