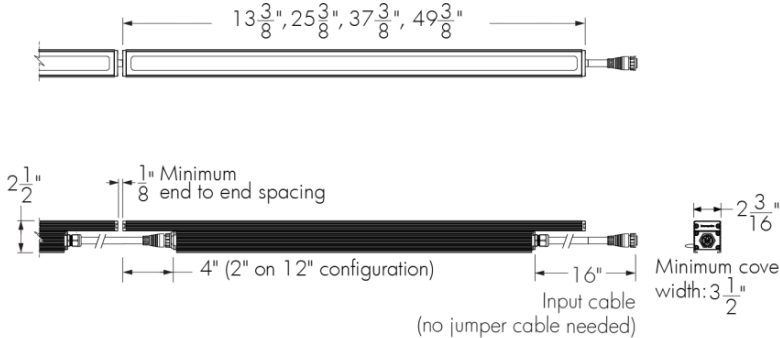


Project Name

Qty

Type

Catalog / Part Number



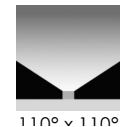
Front and side views

Photometric Summary

1ft fixture [305mm]		
	Delivered output (lm)	Power (W)
RGB RO	179	6
RGB HO	278	9
RGBW30K	202	5
RGBW40K	206	5
RGBA	148	5
2ft fixture [610mm]		
RGB RO	359	12
RGB HO	556	18
RGBW30K	403	10
RGBW40K	412	10
RGBA	295	10
3ft fixture [914mm]		
RGB RO	538	18
RGB HO	834	27
RGBW30K	605	15
RGBW40K	618	15
RGBA	443	15
4ft fixture [1219mm]		
RGB RO	717	24
RGB HO	1,112	36
RGBW30K	807	20
RGBW40K	823	20
RGBA	590	20

Based on full output, DMX/RDM configuration.  
Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



Description

The Lumencove XT Colour Changing is a slim, IP66-rated LED luminaire for exterior coloured cove lighting and tight space applications. The system offers smooth RGB, RGBW, or RGBA colour mixing, a choice of mounting options and finishes; as well as Legacy or Custom output modes. Built from sturdy aluminium and tempered glass, Lumencove XT Colour Changing comes in 12 in, 24 in, 36 in or 48 in sections enabling both linear and radial layouts. The luminaire uses tri-colour LEDs in a single package, premixing colours to avoid colour striations and shadows.

Features

Color and Color Temperature	Additive RGB Regular Output, Additive RGB High Output, Additive RGB + 3000K, Additive RGB + 4000K, Additive RGB + amber
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 RGBW30K, RGBW40K and RGBA versions, 6 W/ft RO RGB version, 9 W/ft HO RGB version
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	717 lm (48 in fixture, RGB RO full output, DMX/RDM) 1112 lm (48 in fixture, RGB HO full output, DMX/RDM) 807 lm (48 in fixture, RGBW30K full output, DMX/RDM) 823 lm (48 in fixture, RGBW40K full output) 590 lm (48 in fixture, RGBA full output, DMX/RDM)
Lumen Maintenance	L70 88,000 hrs (Ta 25 °C and Ta 40 °C) L95 72,000 hrs (Ta 25 °C and Ta 40 °C)

LXT X110

## Color and Color Temperature

Additive  
RGB  
Regular  
Output,  
6 W/ftAdditive  
RGB High  
Output,  
9 W/ftRGB +  
white  
3000KRGB +  
white  
4000KAdditive  
RGB +  
amber  
5 W/ft

## Control



DMX/RDM

DALI 2  
T8

## 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 170 ft (DMX/RDM, 240-277V, RGB RO version), Up to 128 ft (DMX/RDM, 120-277V, RGBW30K and RGBW40K versions)
Control	DMX/RDM enabled, Lumentalk, DALI 2 T8 control
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit
RGB Color Mixing	18 LEDs per 12 in (tri-color LEDs RGB RO), 24 LEDs per 12 in (tri-color LEDs RGB HO)
RGBW30K Color Mixing	36 LEDs per 12 in (18x tri-color LEDs, 18x 3000K LEDs)
RGBW40K Color Mixing	36 LEDs per 12 in (18x tri-color LEDs, 18x 4000K LEDs)
RGBA Color Mixing	36 LEDs per 12 in (18x tri-color LEDs, 18x amber LEDs)

## Environmental

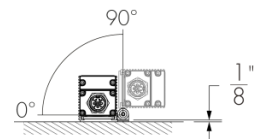
Storage Temperature	-40 °F to 122 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-13 °F to 122 °F
Environment	Dry/damp/wet location
Ingress Protection Rating	IP66
Impact Resistance Rating	IK07

## Accessories (order separately)

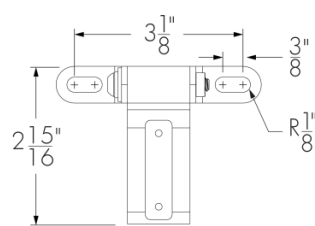
Cables	Leader Cable, Jumper Cable
Control Boxes	DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration), Lumentalk Data Bridge
Control Systems	Lumentone™ 2 (LTN2), Pharos® kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID), LumentalkID (LIDLT)

Mounting Options

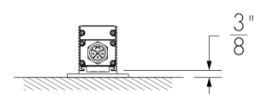
SAM - Slim Adjustable Mounting



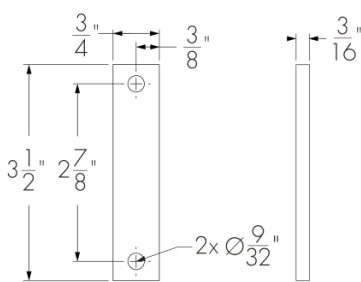
SAM - Mounting Hole Pattern



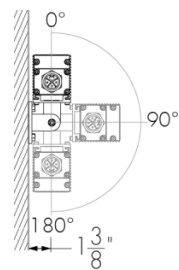
UMP - Fixed Mounting



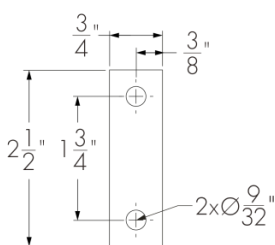
UMP - Mounting Hole Pattern



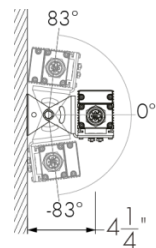
UMAS - Universal Adjustable Mounting



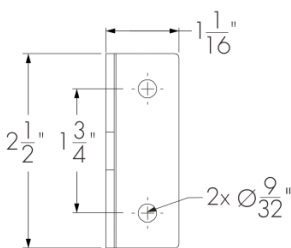
UMAS - Mounting Hole Pattern



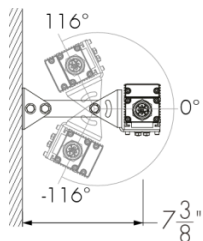
WAM2 - Adjustable Wall Mounting 2 in



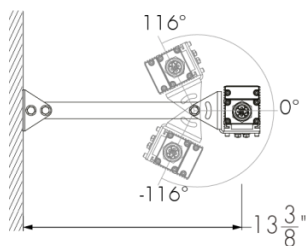
WAM2 - Mounting Hole Pattern



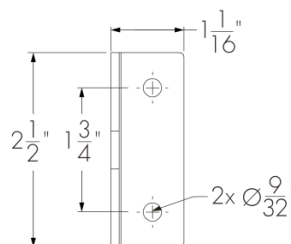
## WAM6 - Adjustable Extended Arm Mounting 6 in



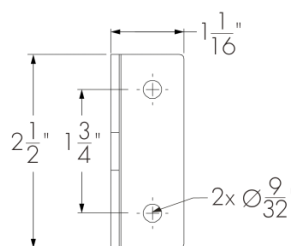
## WAM12 - Adjustable Extended Arm Mounting 12 in



## WAM6 - Mounting Hole Pattern



## 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

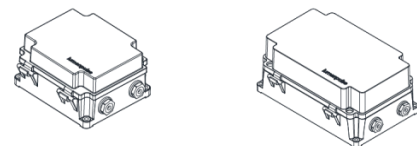
Please specify:

**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.

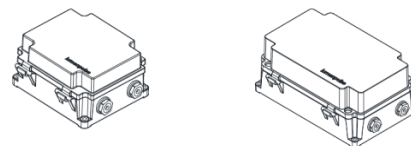
## Control Boxes (Order Separately)

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



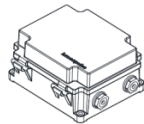
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

### 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.

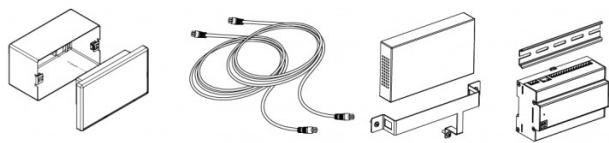
**Control Systems (Order Separately)**

LTN2 - Lumentone™ 2



Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

PHAROS - Pharos® Kit



The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

Diagnostic and Addressing tools (Order Separately)

LID - LumenID



LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

LID-LT - LumentalkID

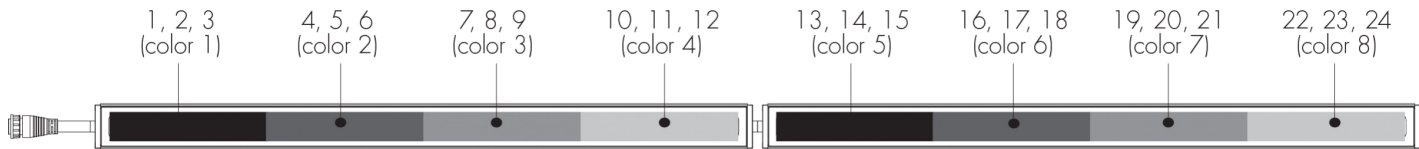


LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

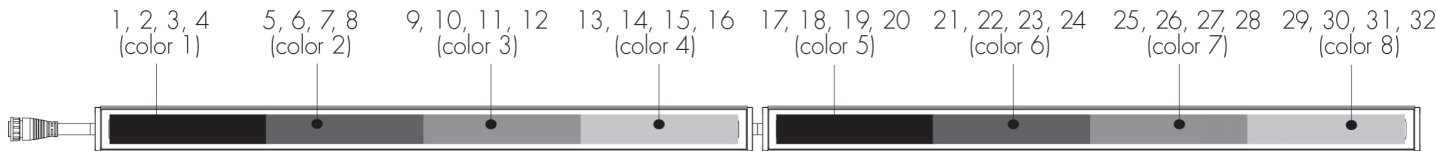
Resolution details

DMX/RDM control, resolution per foot: each 12 in section is addressed independently

DMX addresses:



RGB color mixing option



RGBW30K, RGBW40K and RGBA color mixing options

DMX/RDM control, resolution per fixture: each fixture is addressed independently

DMX addresses:



RGB color mixing option



RGBW30K, RGBW40K and RGBA color mixing options

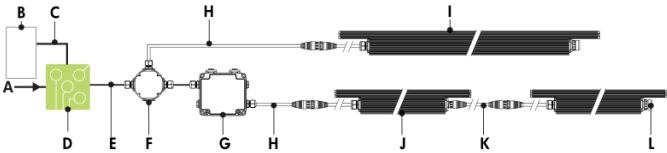
- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Typical Wiring Diagrams

Wiring Color Code

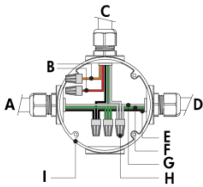
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -

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

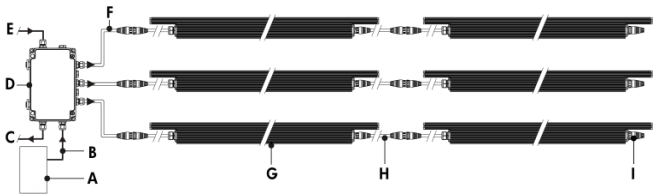
Lumentalk (LT) - wiring detail



- 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)

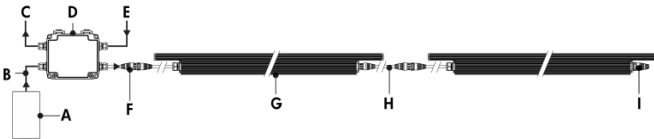
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for 12 in fixture lengths, see LDB installation instructions for details. Fixtures must be specified as DMX/RDM and the Lumentalk Data Bridge must be specified as DMX. 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID-LT. 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 RGB version: 6 W/ft, High Output RGB version : 9 W/ft, RGBW30K, RGBW40K and RGBA versions : 5 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)

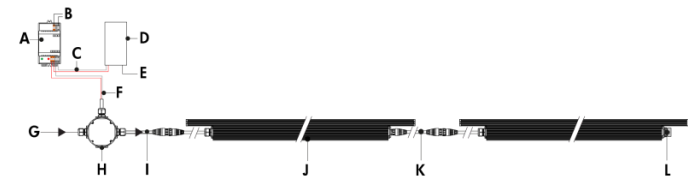
Maximum Run of Fixtures, Lumencove® XT RGB RO 6W/ft			
Voltage	120V	240V	277V
Maximum Run of Fixtures*	128ft		
Maximum Run of Fixtures, Lumencove® XT RGB HO 9W/ft			
Voltage	120V	240V	277V
Maximum Run of Fixtures*	91ft	128ft	
Maximum Run of Fixtures, Lumencove® XT RGBW30K, RGBW40K, RGBA 5W/ft			
Voltage	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 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.
- RGB color mixture option requires 3 DMX addresses. RGBW30K and RGBW40K color mixture options require 4 DMX addresses. RGBA color mixture option requires 4 DMX addresses.
- Regular Output RGB version: 6 W/ft, High Output RGB version: 9 W/ft, RGBW30K, RGBW40K and RGBA versions: 5 W/ft.

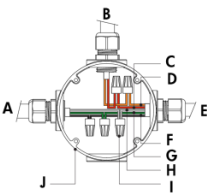


DALI 2 T8 (DALIT8)



- 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

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)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- Regular Output RGB version: 6 W/ft, High Output RGB version: 9 W/ft, RGBW and RGBA versions: 5 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.

How to Order

Housing	Voltage	Length	Color and Color Temperature	Mounting Option	Finish	Control	Option	Buy American Act
LXT Lumencove® XT	<b>120</b> 120 volts <b>220</b> 220 volts <b>208</b> 208 volts <b>240</b> 240 volts <b>277</b> 277 volts	<b>12</b> 13 3/8 in (3 lbs) <sup>(1)</sup> <b>24</b> 25 3/8 in (4.6 lbs) <b>36</b> 37 3/8 in (7.2 lbs) <b>48</b> 49 3/8 in (9 lbs)	<b>RGB RO</b> Additive RGB Regular Output, 6 W/ft <b>RGB HO</b> Additive RGB High Output, 9 W/ft <b>RGBW30K</b> RGB + white 3000K <b>RGBW40K</b> RGB + white 4000K <b>RGBA</b> Additive RGB + amber 5 W/ft	<b>SAM</b> Slim Adjustable Mounting <b>UMP</b> Fixed Mounting <sup>(2)</sup> <b>UMAS</b> Universal Adjustable Mounting <sup>(2)</sup> <b>WAM2</b> Adjustable Wall Mounting 2 in <b>WAM6</b> Adjustable Extended Arm Mounting 6 in <b>WAM12</b> Adjustable Extended Arm Mounting 12 in	<b>BK</b> Black Sandtex® <b>BRZ</b> Bronze Sandtex® <b>SI</b> Silver Sandtex® <b>WH</b> Smooth White <b>CC</b> Custom Color & Finish <sup>(3) (4) (5)</sup>	<b>LT</b> Lumentalk <sup>(1) (6) (7)</sup> <b>DMX/RDM</b> DMX/RDM enabled <sup>(8)</sup> <b>DALIT8</b> DALI 2 T8 control <sup>(9)</sup>	<b>CRC</b> Corrosion-resistant coating <sup>(10) (11)</sup> <b>3GV</b> 3G ANSI C136.31-2010 Vibration Rating for bridge applications <sup>(12)</sup> <b>CE</b> CE (European certification)	<b>BAA</b> Buy American <sup>(13) (14)</sup>

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 (LDB-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 LumentalkID (LIDLT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

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

9. DALI 2 T8 controller required, provided by others. DALI2 T8 control uses a single DALI short address.

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

11. Setup charges apply. Consult factory for details.

12. Available with UMP and UMAS mounting options only.

13. Not available with CE certification option.

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

LMPG Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately

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JC - R32

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