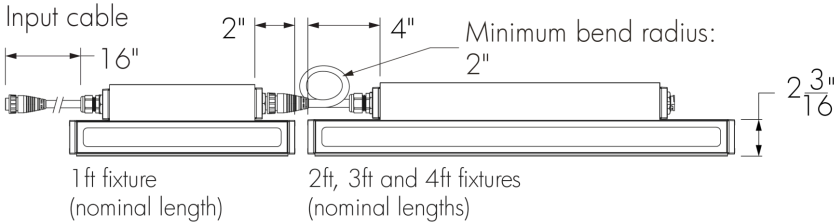


Project Name

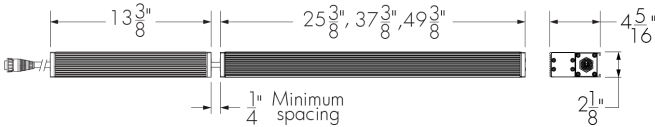
Qty

Type

Catalog / Part Number



Top view



End-to-end (ETE) option shown

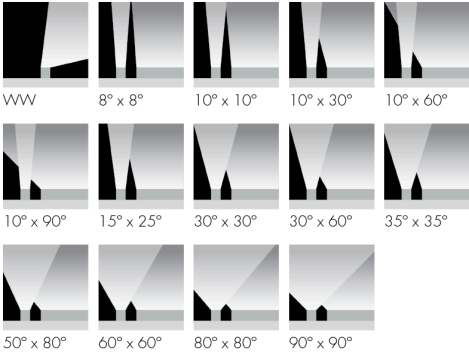
Front and side views

Photometric Summary

	Delivered output (lm)	Intensity (peak cd)
WW	2,681	3,856
8°x8°	3,054	58,209
10°x10°	2,862	28,655
10°x30°	2,903	22,459
10°x60°	2,980	13,266
10°x90°	2,690	5,902
15°x25°	2,948	18,480
30°x30°	2,865	11,004
30°x60°	2,878	3,819
35°x35°	2,929	7,473
50°x80°	2,811	2,577
60°x60°	2,569	2,250
80°x80°	2,900	1,890
90°x90°	2,681	1,409

Based on RGBW40K full output, 4ft [1219mm] DMX/RDM configuration.
Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



Description

The Lumenfacade Horizontal Colour Changing is a high-performance linear LED luminaire designed for grazing or floodlighting exterior facades with colour. It has a slim, 2 in profile, which makes it easy to integrate into architectural facades; an innovative design repositions the driver to conceal all wiring and mounting details. This luminaire is available in 12 in, 24 in, 36 in or 48 in sections, and offers a wide number of options, including: a choice of optics for grazing or floodlighting; RGB, RGBW, or RGBA colour mixing; various mounting options, finishes, accessories, and controls; as well as Legacy or Custom output modes.

Features

Color and Color Temperature	RGB, RGB + White 3000K, RGB + White 4000K, RGB + Amber
Length (Nominal)	12 in, 24 in, 36 in, 48 in
Optics	Asymmetric wallwash, 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 15° x 25°, 30° x 30°, 30° x 60°, 35° x 35°, 50° x 80°, 60° x 60°, 80° x 80°, 90° x 90°
Option	End-to-end configuration (factory installed 16 in black input cable included) Corrosion-Resistant Coating for Hostile Environments 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications CE (certification covers European Economic Area)
Power Consumption	17.25 W/ft, Typically 20% higher for 12 in fixture lengths
Warranty	5-year limited warranty

Colors and Color Temperatures



Controls



Ratings

IP66 IK07*
*asymmetric wallwash lens is IK06 rated

Lumencycle™ Program



Certifications



Performance

Maximum Delivered Output	2,828 lm (48 in fixture, RGB full output, 8° x 8°, DMX/RDM) 2,993 lm (48 in fixture, RGBW30K full output, 8° x 8°, DMX/RDM) 3,054 lm (48 in fixture, RGBW40K full output, 8° x 8°, DMX/RDM) 2,510 lm (48 in fixture, RGBA full output, 8° x 8°, DMX/RDM)
Maximum Delivered Intensity	53,888 cd at nadir (48 in fixture, RGB full output, 8° x 8°, DMX/RDM) 57,045 cd at nadir (48 in fixture, RGBW30K full output, 8° x 8°, DMX/RDM) 58,209 cd at nadir (48 in fixture, RGBW40K full output, 8° x 8°, DMX/RDM) 47,819 cd at nadir (48 in fixture, RGBA full output, 8° x 8°, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 232 ft (48 in fixture, RGB full output, 8° x 8°, DMX/RDM) Minimum 1 fc at 239 ft (48 in fixture, RGBW30K full output, 8° x 8°, DMX/RDM) Minimum 1 fc at 241 ft (48 in fixture, RGBW40K full output, 8° x 8°, DMX/RDM) Minimum 1 fc at 219 ft (48 in fixture, RGBA full output, 8° x 8°, DMX/RDM)
Lumen Maintenance	L70 280,000 hrs L95 35,000 hrs
Physical	
Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminum
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	12 in: 4.5 lbs 24 in: 7 lbs 36 in: 10.5 lbs 48 in: 14 lbs
Electrical and Control	
Voltage	120 to 277 volts, 347 volts available (consult factory for details)
Fixture Cable	Power and data in one cable, End-to-end option (ETE): 16 in black input cable (no jumper cable needed for minimum spacing between two fixtures)
Leader Cable Conductor	5C #16-5
Control	Lumentalk, DMX/RDM Enabled
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit, 3 channels (RGB) or 4 channels (RGBW30K, RGBW40K and RGBA)

RGB Color Mixing	12 LEDs per 12 in (4x Red, 4x Green, 4x Blue)
RGBW30K Color Mixing	12 LEDs per 12 in (3x Red, 3x Green, 3x Blue, 3x White 3000K)
RGBW40K Color Mixing	12 LEDs per 12 in (3x Red, 3x Green, 3x Blue, 3x White 4000K)
RGBA Color Mixing	12 LEDs per 12 in (3x Red, 3x Green, 3x Blue, 3x Amber)

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66 Wet location rated
Impact Resistance Rating	IK07 (asymmetric wallwash lens is IK06 rated)

Accessories (Order Separately)

Cables	Leader cable (standard), Jumper cable (standard), Leader cable (ETE), Jumper cable (ETE)
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration), Lumentalk Data Bridge
Control Systems	Lumentine™ 2 (LTN2), Pharos® Designer Lighting Control Kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID), LumentalkID (LIDLT)

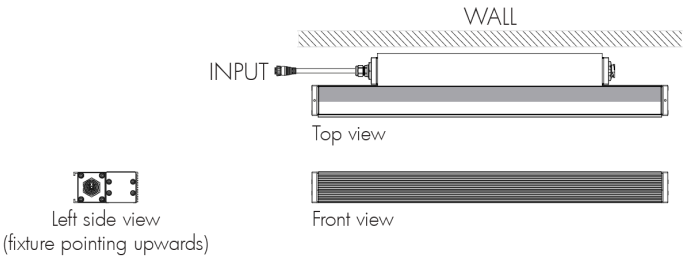
Important

Virtual Patent Marking Notice

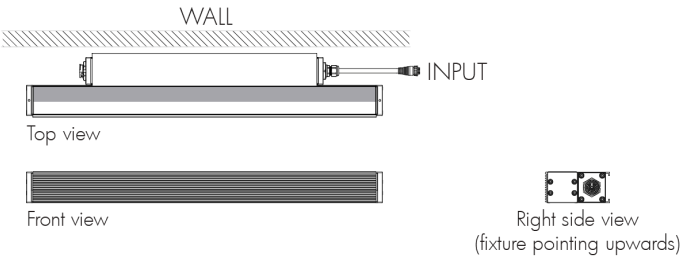
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Asymmetric Wallwash Optic Details

WW-LF - Asymmetric Wallwash Optic, Left Feeding Side



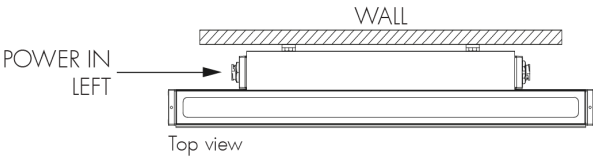
WW-RF - Asymmetric Wallwash Optic, Right Feeding Side



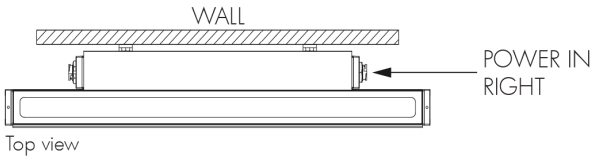
- Always position frosted side toward the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- Recommended setback from wall is 1/10 of the wall height. Example: 2 ft setback for a 20 ft wall.

Feeding Side

LF - Left Feeding Side



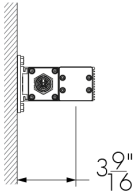
RF - Right Feeding Side



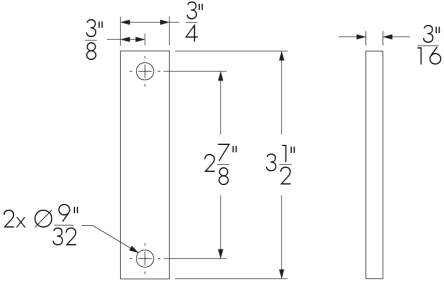
Fixture's feeding side is based on upright installations. Feeding sides are reversed when fixture is used in a downlight application.

Mounting Options

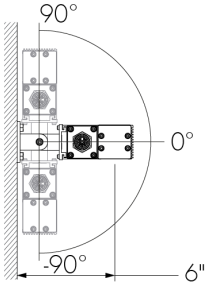
UMP - Fixed Mounting



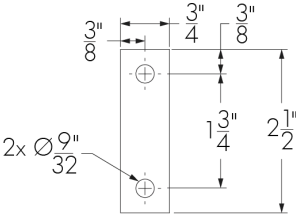
UMP - Mounting Hole Pattern



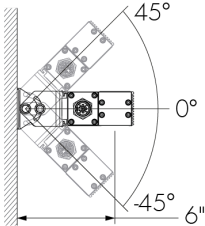
UMAS - Universal Adjustable Mounting



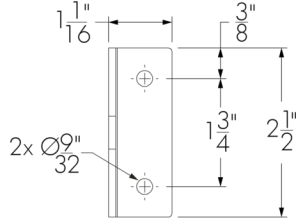
UMAS - Mounting Hole Pattern



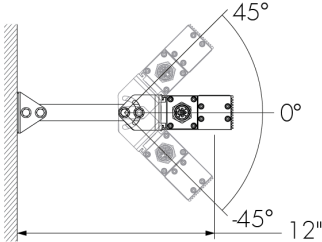
WAMH6 - Adjustable Extended Arm Mounting 6 in Horizontal Version



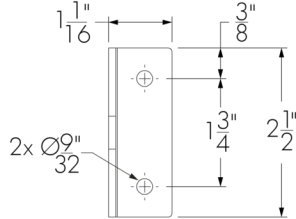
WAMH6 - Mounting Hole Pattern



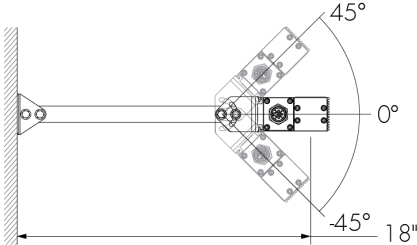
WAMH12 - Adjustable Extended Arm Mounting 12 in Horizontal version



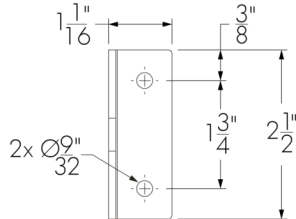
WAMH12 - Mounting Hole Pattern



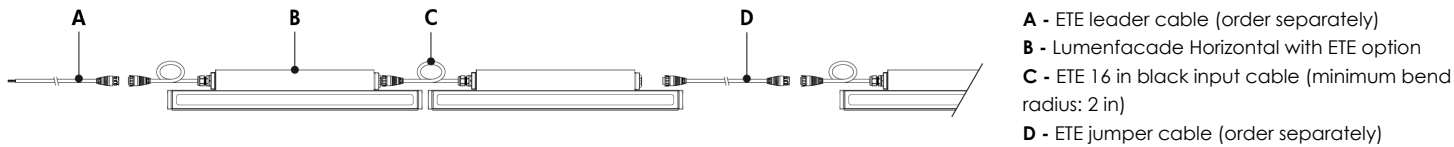
WAMH18 - Adjustable Extended Arm Mounting 18 in Horizontal Version



WAMH18 - Mounting Hole Pattern



End-to-end Configuration Option (ETE)



Includes a factory installed 16 in black input cable. A jumper cable is not required for minimum spacing between two end-to-end (ETE) fixtures. An ETE jumper cable is required only if a longer distance between two adjacent ETE fixtures is needed, or to connect two continuous runs of ETE fixtures together.

EPA Guide

Fixture	LOGH 12 in	LOGH 24 in	LOGH 36 in	LOGH 48 in
EPA front (sq ft) 	0.215	0.427	0.639	0.860
EPA side (sq ft) 	0.045	0.046	0.050	0.053

Cables (Order Separately)

LOGLC - Leader Cable For Lumenfacade



Standard construction
LOGLC-CERTIFICATION-STD-LENGTH-CABLE COLOR



End-to-end (ETE) option
LOGLC-CERTIFICATION-ETE-LENGTH-CABLE COLOR

Please specify:
CERTIFICATION: UL or CE; **LENGTH:** 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft; **CABLE COLOR:** black or white (connectors are black as standard; ETE fixture input cables are black as standard)

- Suitable for dimming/data and non-dimming applications.
- Sealing end cap is mandatory for any unused connector. One (1) included with every leader cable.
- Consult Lumenfacade leader cable specification sheet for details.

LOGJC - Jumper Cable For Lumenfacade



Standard construction
LOGJC-CERTIFICATION-STD-LENGTH-CABLE COLOR



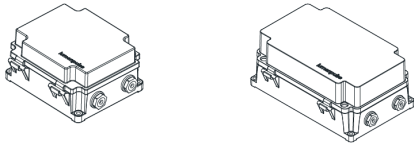
End-to-end (ETE) option
LOGJC-CERTIFICATION-ETE-LENGTH-CABLE COLOR

Please specify:
CERTIFICATION: UL or CE; **LENGTH:** 1 ft (available for ETE option only), 2 ft to 30 ft (available in 1 ft increments) or 50 ft; **CABLE COLOR:** black or white (connectors are black as standard; ETE fixture input cables are black as standard)

- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade jumper cable specification sheet for details.

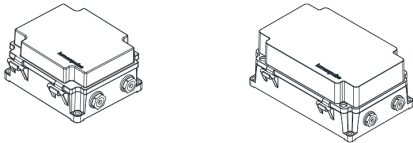
Control Boxes (Order Separately)

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



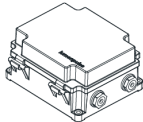
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for Daisy Chain configuration, 6x for Star configuration), consult factory to order spares.

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.

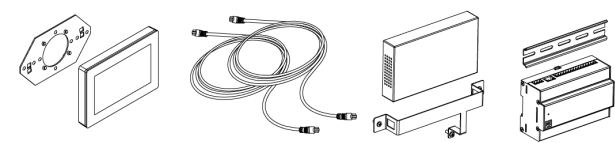
LDB - Lumentalk Data Bridge



Lumentalk Data Bridge, 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.

Diagnostic And Addressing Tools (Order Separately)

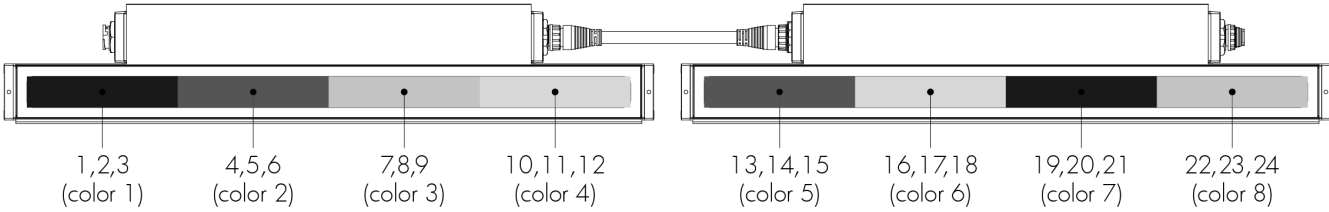
LID - LumenID



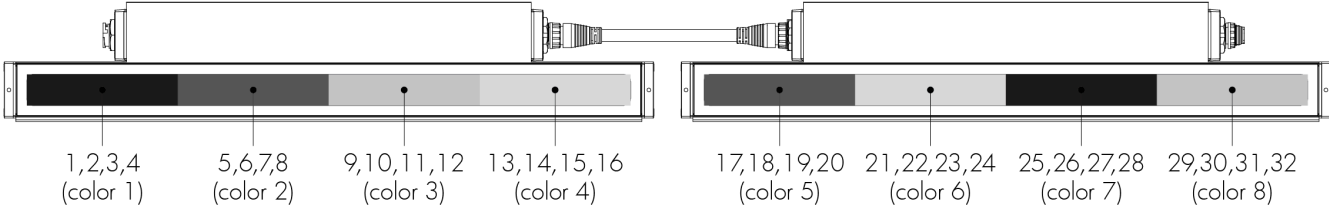
LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

Resolution Details

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

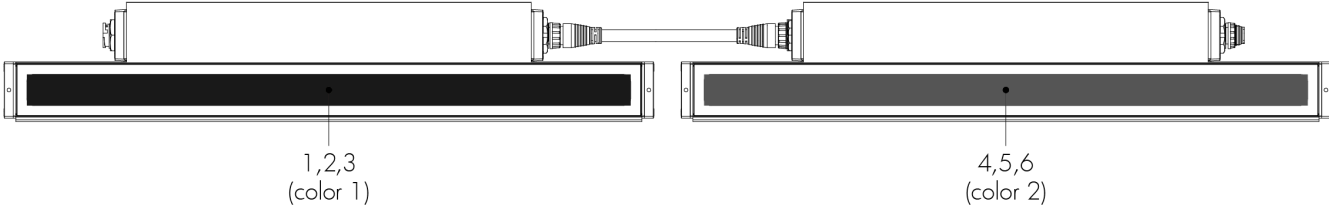


RGB color mixing option

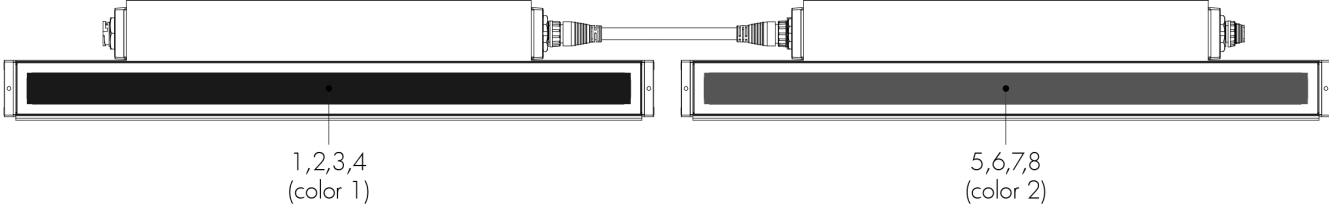


RGBW30K, RGBW40K and RGBA color mixing options

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



RGB color mixing option



RGBW30K, RGBW40K and RGBA color mixing options

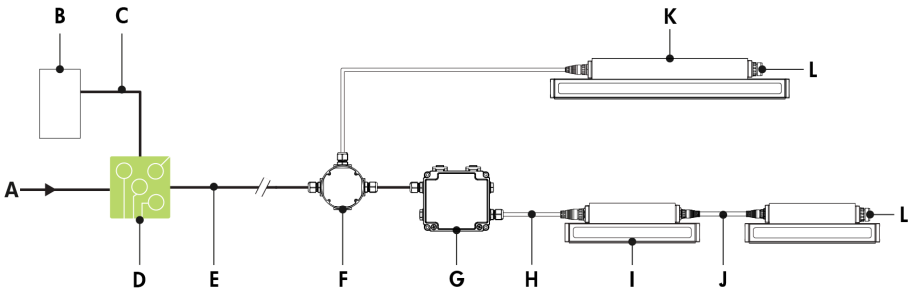
- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Typical Wiring Diagrams

Wiring Color Code

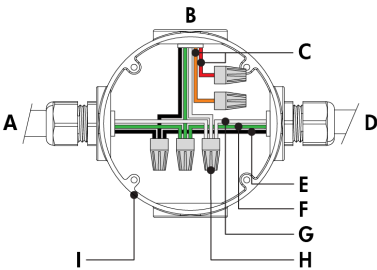
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -

Lumentalk (LT)



- A - Power input (120-277V 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 (LOGLC)
- I - Lumenfacade Horizontal 12 in
- J - Jumper cable (LOGJC)
- K - Lumenfacade Horizontal (24 in, 36 in or 48 in fixture lengths)
- L - Sealing end cap

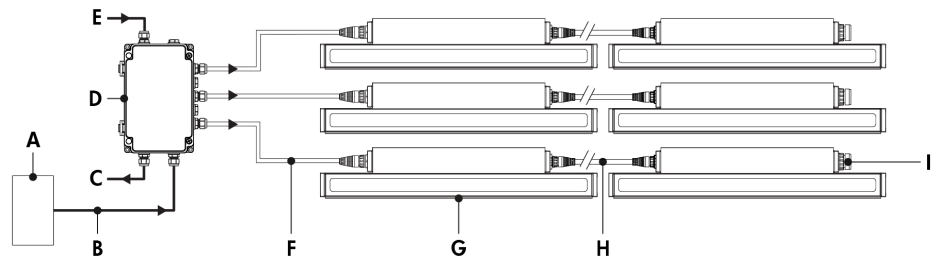
Lumentalk (LT) - Wiring Detail



- A - Power input (control over power line via Lumentalk system)
- B - To fixture
- C - Not required
- 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)

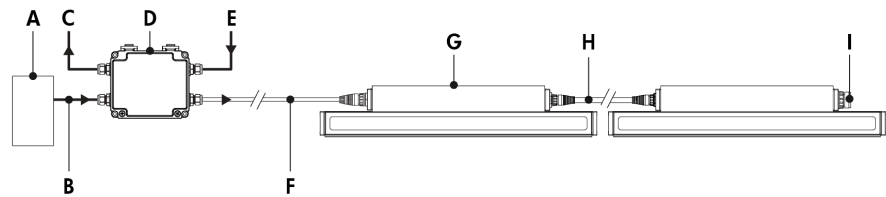
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for 12 in fixture lengths, see LDB installation instructions for details. Fixtures must be specified as DMX/RDM and the Lumentalk Data Bridge must be specified as DMX. 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.
- 17.25 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 (LOGLC)
- G - Lumenfacade Horizontal
- H - Jumper cable (LOGJC)
- I - Sealing end cap

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 (LOGLC)
- G - Lumenfacade Horizontal
- H - Jumper cable (LOGJC)
- I - Sealing end cap

Maximum Run of Fixtures, Lumenfacade® LOGH Color Changing 17.25 W/ft

Voltage	120V	240V	277V
Maximum Run of Fixtures*	68ft	80ft	88ft

Based on 15A maximum, 50ft leader cable.
*Example: 120V = 68ft maximum run of end to end fixtures (17 fixtures maximum for 4ft LOGH).

Based on 15A maximum, 50 ft leader cable.

- Consult 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.
- 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.
- 17.25 W/ft.

How to Order

Housing ⁽¹⁾	Voltage ⁽²⁾	Length	Color and Color Temperature	Optic	Feeding Side	Mounting Options	Finish	Control	Option	Buy American Act
LOGH Lumenfacade™ Horizontal	120 120 Volts	12 13 3/8 in (4.5 lbs) ⁽¹⁾	RGB RGB	WW Asymmetric Wallwash	LF Left Feeding Side	UMP Fixed Mounting ⁽⁶⁾	BK Black Sandtex®	LT Lumentalk ⁽³⁾ ⁽¹⁰⁾ ⁽¹¹⁾	ETE End-to-end configuration	BAA Buy American ⁽¹⁷⁾ ⁽¹⁸⁾
	208 208 Volts	24 25 3/8 in (7 lbs)	RGBW30K RGB + White 3000K ⁽⁴⁾	8x8 8° x 8° ⁽⁵⁾	RF Right Feeding Side	UMAS Universal Adjustable Mounting ⁽⁶⁾	BRZ Bronze Sandtex®	DMX/RDM DMX/RDM Enabled Dimming ⁽¹²⁾	CRC Corrosion-Resistant Coating ⁽¹³⁾ ⁽¹⁴⁾	
	220 220 Volts	36 37 3/8 in (10.5 lbs)	RGBW40K RGB + White 4000K ⁽⁴⁾	10x10 10° x 10° ⁽⁵⁾		WAMH6 Adjustable Extended Arm Mounting 6 in Horizontal version	SI Silver Sandtex®	3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications ⁽¹⁵⁾	3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications ⁽¹⁵⁾	
	240 240 Volts	48 49 3/8 in (14 lbs)	RGBA RGB + Amber	10x30 10° x 30°		WAMH12 Adjustable Extended Arm Mounting 12 in Horizontal version	WH Smooth White	CE CE (European certification) ⁽¹⁶⁾	CE CE (European certification) ⁽¹⁶⁾	
	277 277 Volts			10x60 10° x 60°		WAMH18 Adjustable Extended Arm Mounting 18 in Horizontal version	CC Custom Color & Finish ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾			
				10x90 10° x 90°						
				15x25 15° x 25°						
				30x30 30° x 30°						
				30x60 30° x 60°						
				35x35 35° x 35°						
				50x80 50° x 80°						
				60x60 60° x 60°						
				80x80 80° x 80°						
				90x90 90° x 90°						

Notes:

1. Power consumption is typically 20% higher for 12 in fixture lengths.

2. 347 volts available, consult factory for details.

3. 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.

4. 2700K, 3500K and Royal Blue available, consult factory. Longer lead times apply.

5. For best results, we recommend a 6 in setback from surface. Contact factory for application support.

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

7. 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.

8. Setup charges apply for RAL colors. Consult factory for details.
9. Longer lead times can be expected for custom RAL color finishes.

10. Available for 24 in, 36 in and 48 in fixture lengths only.

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

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

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

14. Setup charges apply. Consult factory for details.

15. Available with UMP and UMAS mounting options only.

16. Consult European specification sheet and installation instructions for CE wiring information.

17. Not available with CE certification option.

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