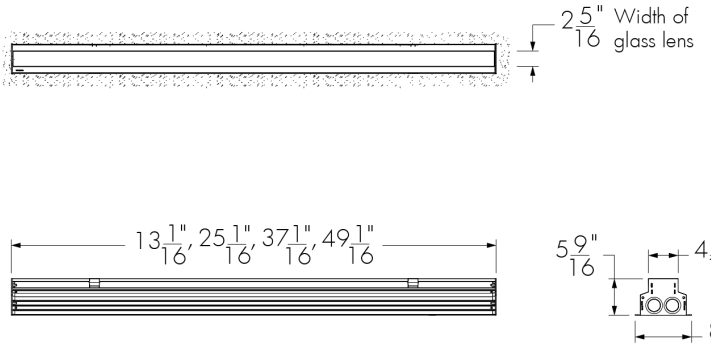
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



Top view

Front and side views

Photometric Summary

	Delivered output (lm)	Intensity (peak cd)
WW	2,715	8,064
8°x8°	3,370	44,251
10°x10°	3,294	25,302
10°x30°	3,426	18,896
10°x60°	2,895	9,010
10°x90°	3,046	5,174
15°x25°	3,246	14,770
30°x30°	3,533	12,614
30°x60°	3,014	3,972
35°x35°	3,445	8,677
50°x80°	3,478	2,916
60°x60°	2,889	2,516
80°x80°	3,397	2,235
90°x90°	3,040	1,593

1. Based on 4 ft fixture, RGBW40K full output, DMX/RDM configuration.
2. 2.5° factory-set tilt setting for WW optic, 0° tilt setting for all other optics.
3. Photometric performance is measured in compliance with IESNA LM-79-24.

Description

The Lumenfacade Inground Colour Changing is a high-performance linear LED luminaire designed for colourful asymmetric wall washing, grazing, and linear wayfinding. The Lumenfacade Inground Colour Changing is available in four different sizes (12 in, 24 in, 36 in or 48 in), with a wide number of options, including a choice of optics; RGB, RGBW or RGBA colour mixing; controls; as well as Legacy or Custom output modes.

Features

Construction	Walk over compliant up to 500 kg in any type of ground, Walk over compliant up to 1000 kg in concrete
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°
Tilt Setting (factory set)	0 degrees, 2.5 degrees, 5 degrees, 20 degrees
Optical Option	Internal louver
Option	Anti-Slip Lens 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

Optic


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°

Color and Color Temperature

RGB

RGB + White 3000K

RGB + White 4000K

Additive RGB + amber

Control

lumentalk DMX/RDM DALI T8

Ratings

IP68 IK10

Certifications

c UL us CE RoHS 5 YEARS lumenpulse

Performance

Maximum Delivered Output	3,273 lm (48 in fixture, RGB full output, 30° x 30°, 0° tilt setting, DMX/RDM) 3,477 lm (48 in fixture, RGBW30K full output, 30° x 30°, 0° tilt setting, DMX/RDM) 3,548 lm (48 in fixture, RGBW40K full output, 30° x 30°, 0° tilt setting, DMX/RDM) 2,904 lm (48 in fixture, RGBA full output, 30° x 30°, 0° tilt setting, DMX/RDM)
Maximum Delivered Intensity	40,993 cd at nadir (48 in fixture, RGB full output, 8° x 8°, 0° tilt setting, DMX/RDM) 43,450 cd at nadir (48 in fixture, RGBW30K full output, 8° x 8°, 0° tilt setting, DMX/RDM) 44,429 cd at nadir (48 in fixture, RGBW40K full output, 8° x 8°, 0° tilt setting, DMX/RDM) 36,372 cd at nadir (48 in fixture, RGBA full output, 8° x 8°, 0° tilt setting, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 202 ft (48 in fixture, RGB full output, 8° x 8°, 0° tilt setting, DMX/RDM) Minimum 1 fc at 209 ft (48 in fixture, RGBW30K full output, 8° x 8°, 0° tilt setting, DMX/RDM) Minimum 1 fc at 211 ft (48 in fixture, RGBW40K full output, 8° x 8°, 0° tilt setting, DMX/RDM) Minimum 1 fc at 191 ft (48 in fixture, RGBA full output, 8° x 8°, 0° tilt setting, DMX/RDM)
Lumen Maintenance	L70 280,000 hrs L95 35,000 hrs

Physical

Optical Chamber Material	Aluminum
Blockout Material	Polymer recycled PVC reinforced with a stainless steel frame
Trim Material	Anodized aluminum
Lens Material	Tempered glass
End Cap Material	Die cast aluminum
Hardware Material	Stainless steel
Weight	12 in: 7.5 lbs 24 in: 15.3 lbs 36 in: 21.4 lbs 48 in: 27 lbs

Electrical and Control

Voltage	120 to 277 volts
Fixture Cable	Power and data in one cable
Leader Cable Conductor	5C #16-5
Connectors	IP68 push-lock
Control	Lumentalk, DMX/RDM Enabled, 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, 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	IP68 rated for up to 1 ft, not suitable for permanent immersion applications
Impact Resistance Rating	IK10

Accessories (Order Separately)

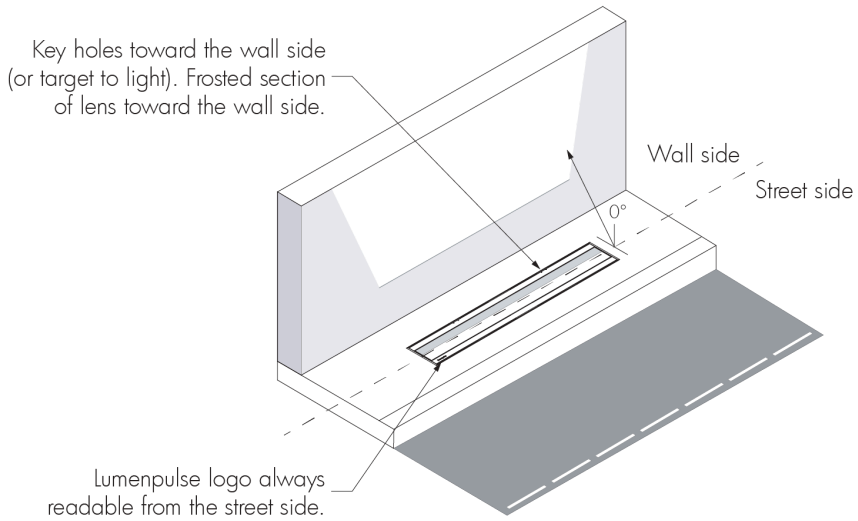
Cables	Lumenfacade Inground Leader Cable, Lumenfacade Inground Jumper Cable
Electrical Accessories	Lumenfacade Inground Junction Box
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration)
Control Systems	Pharos® Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT)
Diagnostic and Addressing Tools	LumenID (LID)

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.

Optical Chamber Orientation



Cables (Order Separately)

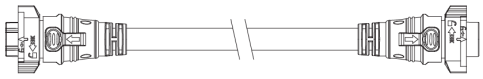
LOILC - Leader Cable For Lumenfacade Inground

LOILC-**CERTIFICATION-LENGTH**

Please specify:
CERTIFICATION: UL or CE; **LENGTH**: 10 ft, 25 ft or 50 ft

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

LOIJC - Jumper Cable For Lumenfacade Inground

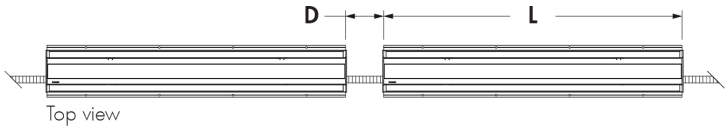


LOIJC-**CERTIFICATION-LENGTH**

Please specify:
CERTIFICATION: UL or CE; **LENGTH**: 2 ft, 4 ft or 10 ft

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

Jumper Cable Length Selection



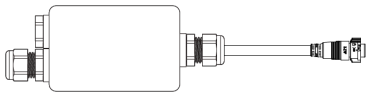
D - distance between two fixtures
L - length of fixture

Add the length of one fixture to the distance between two fixtures: L + D. Order the next longest jumper cable available: 2 ft, 4 ft or 10 ft.

Example: if the distance between two 4 ft fixtures is 0.5 ft, L + D = 4.5 ft, therefore a 10 ft jumper cable is required.

Electrical Accessories (Order Separately)

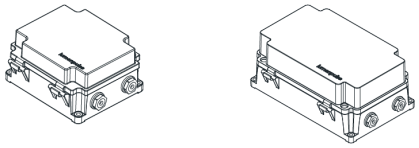
LOI-JBOX - Lumenfacade Inground Junction Box



Lumenfacade Inground IP68 sealed junction box starter kit. Use for stand alone fixtures and/or first of run installations. The LOI-JBOX accessory does not fit in 12 in fixtures.

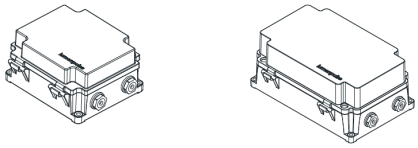
Control Boxes (Order Separately)

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.

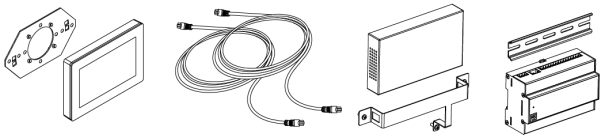
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



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.

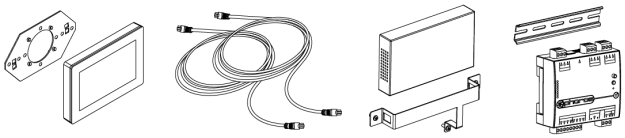
Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit



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

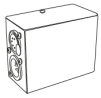
EXPERT - Pharos® Expert Control Kit



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

Diagnostic And Addressing Tools (Order Separately)

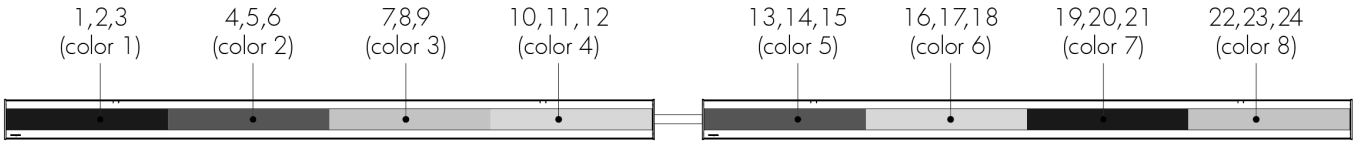
LID - LumenID



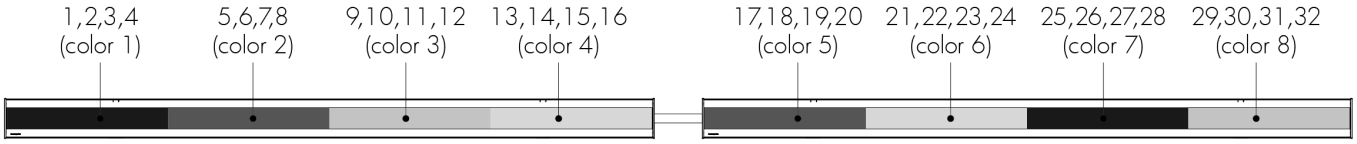
The updated LumenID (LID) is an all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Cable option may vary; please consult factory. For complete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

Resolution Details

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

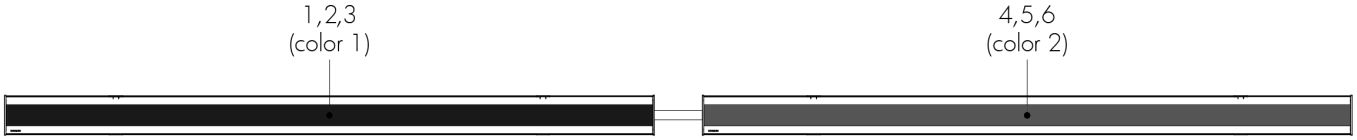


RGB color mixing option

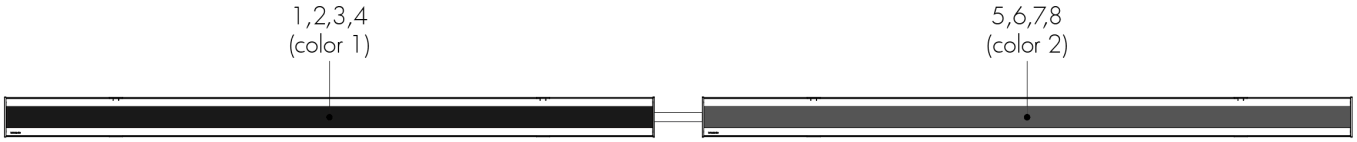


RGBW30K, RGBW40K and RGBA color mixing options

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



RGB color mixing option



RGBW30K, RGBW40K and RGBA color mixing options

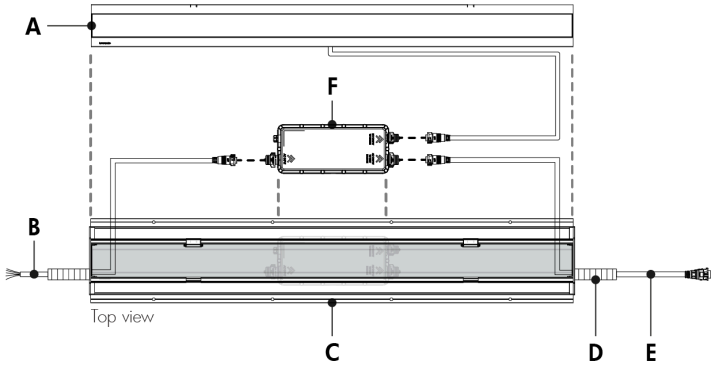
- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

Typical Wiring Diagrams

Wiring Color Code

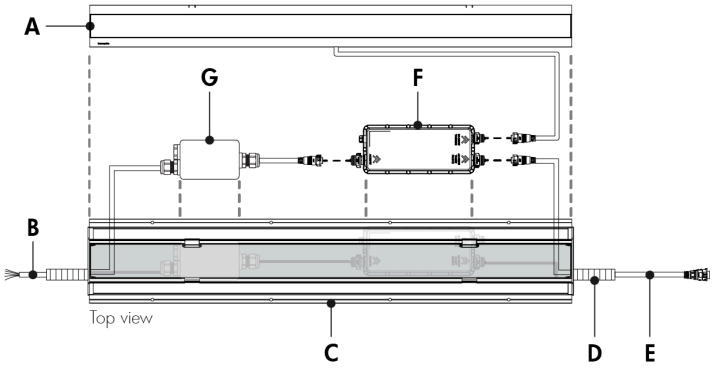
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -

Typical Installation With Leader Cable



A - Optical chamber
B - Leader cable (LOILC, order separately)
C - Blockout
D - Conduit (by others)
E - Jumper cable to next fixture (LOIJC, order separately, for continuous run installations)
F - PACBOX

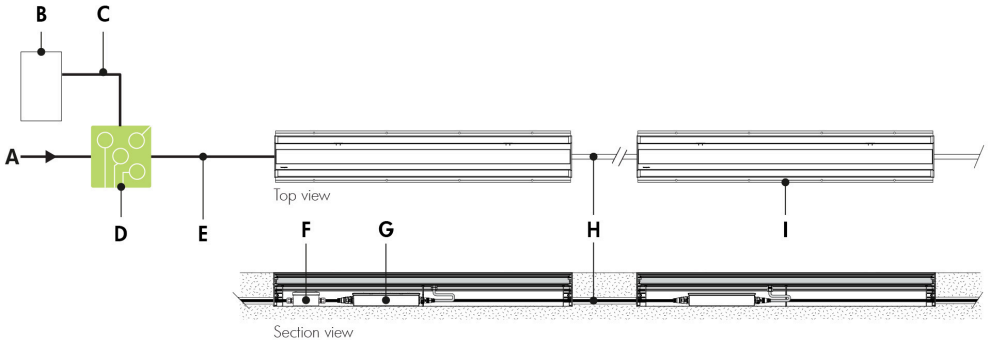
Typical Installation With IP68 LOI-JBOX Accessory



A - Optical chamber
B - Power and data input cable (by others)
C - Blockout
D - Conduit (by others)
E - Jumper cable to next fixture (LOIJC, order separately, for continuous run installations)
F - PACBOX
G - IP68 LOI-JBOX (order separately)

The IP68 LOI-JBOX accessory cannot be used with 12 in fixtures.

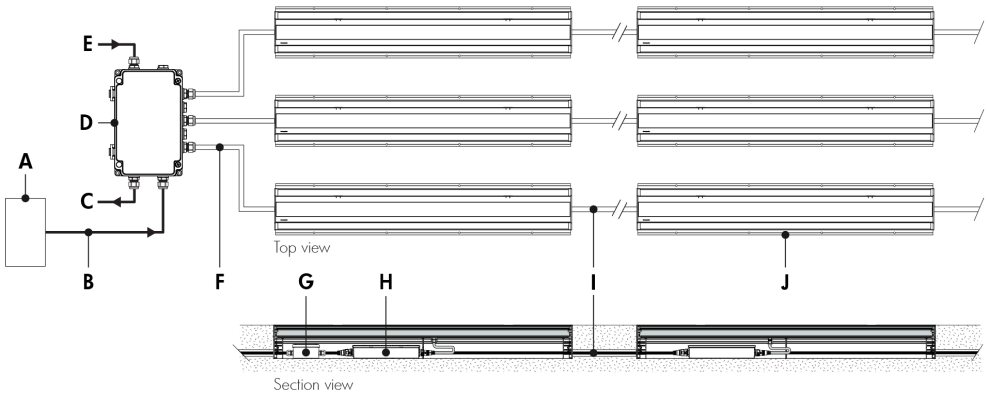
Lumentalk (LT)



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 (wiring by others)
F - IP68 LOI-JBOX (optional)
G - PACBOX
H - Jumper cable (LOIJC)
I - Lumenfacade Inground

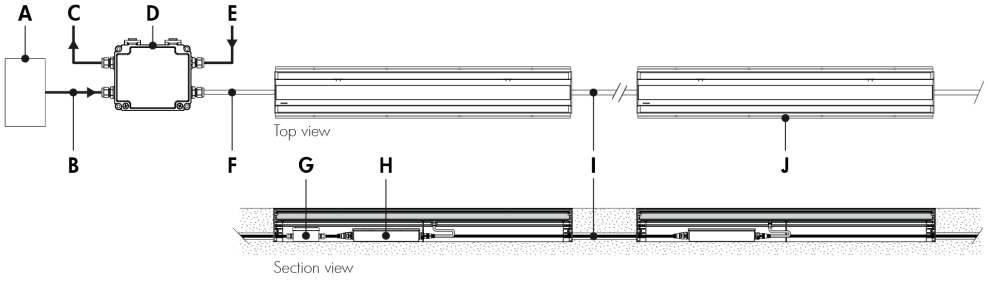
- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID. Consult factory for details.
- 1 DMX controller 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 (LOILC)
G - IP68 LOI-JBOX (optional)
H - PACBOX
I - Jumper cable (LOIJC)
J - Lumenfacade Inground

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 (LOILC)
G - IP68 LOI-JBOX (optional)
H - PACBOX
I - Jumper cable (LOIJC)
J - Lumenfacade Inground

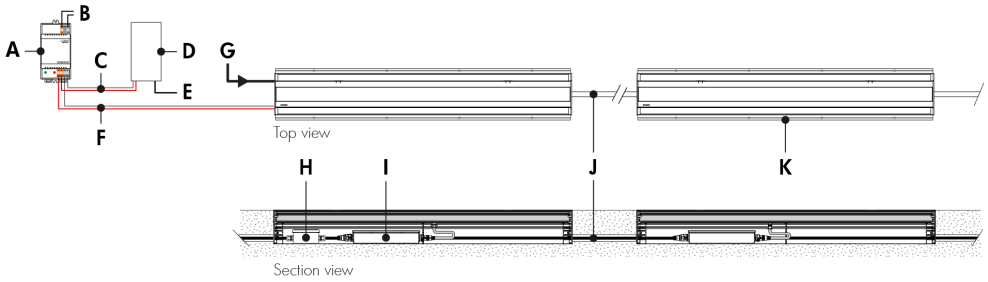
Maximum Run of Fixtures, Lumenfacade® LOI Color Changing 17.25 W/ft

Voltage	**120/277V**
Maximum Run of Fixtures*	68ft

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

- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 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.

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 (wiring by others)
G - Power input (120-277V, wiring by others)
H - IP68 LOI-JBOX (optional)
I - PACBOX
J - Jumper cable (LOIJC)
K - Lumenfacade Inground

- Consult the installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 17.25 W/ft.
- The Lumenfacade Inground 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 [1] [3] [4]	Voltage	Length	Color and Color Temperature	Optic	Tilt Setting [8] [9]	Optical Option	Control	Option
LOI Lumenfacade™ Inground [2]	**120/277** 120-277 Volts	**12** 13 1/16 in (7.5 lbs) [4] **24** 25 1/16 in (15.3 lbs) **36** 37 1/16 in (21.4 lbs) **48** 49 1/16 in (27 lbs)	**RGB** RGB **RGBW30K** RGB + White 3000K [5] **RGBW40K** RGB + White 4000K [5] **RGBA** RGB + Amber	**WW** Asymmetric Wallwash [6] **8x8** 8° x 8° [6] [7] **10x10** 10° x 10° [6] [7] **10x30** 10° x 30° [6] **10x60** 10° x 60° [6] **10x90** 10° x 90° [6] **15x25** 15° x 25° [6] **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°	**TS0** 0 degrees **TS2.5** 2.5 degrees **TS5** 5 degrees **TS20** 20 degrees	**INTL** Internal louver [10]	**LT** Lumentalk [11] **DMX/RDM** DMX/RDM Enabled Dimming [12] **DALIT8** DALI 2 T8 Enabled Dimming 0.1% [13]	**ASL** Anti-Slip Lens **CE** CE (European certification) [14]

Notes:

1. A Lumenfacade Inground fixture includes one optical chamber (LOIC), one power and control box (PACBOX) and one recessed blockout (RBO). The LOIC, PACBOX and RBO are provided according to the output/color, length and control configuration.
2. Consult factory for products that are BAA-approved (Buy America.n Act).
3. Consult the installation instructions to plan all aspects of the fixture installation.
4. Power consumption is typically 20% higher for 12 in fixture lengths.
5. 2700K, 3500K and Royal Blue available, consult factory. Longer lead times apply.
6. 8x8, 10x10, 10x30, 10x60, 10x90, 15x25 and WW distributions come with a half-frosted lens to bring light low on the wall for grazing applications. Clear lens also available, consult factory.
7. For best results, we recommend a 6 in setback from surface. Contact factory for application support.
8. Do not specify a tilt setting for the asymmetric wallwash option. The asymmetric wallwash optic is factory set with a 2.5 degree tilt.
9. Tilt setting is factory set and cannot be adjusted in the field.
10. The addition of an internal louver will affect beam distribution. Consult factory for application support.
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. DALI 2 T8 controller required, provided by others. DALI2 T8 control uses a single DALI short address.
14. Consult European specification sheet and installation instructions for CE wiring information.