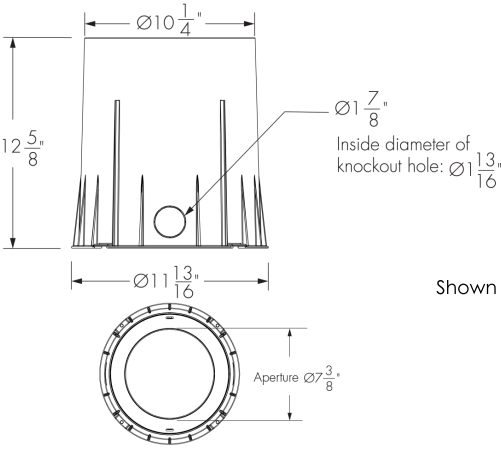


Project Name

Qty

Type

Catalog / Part Number



Photometric Summary

DIRECT VIEW

Delivered output (lm)	Intensity (peak cd)	Power (120V) [W]
763	268	30 ^[1]

Based on 4000K, On/Off configuration.

Photometric performance is measured in compliance with IESNA LM 79-08.

Consult website for the latest photometric files.

[1] Use 32 W when specifying Lumentalk.

Optic



Direct view

Colors and Color Temperatures

2200K

2700K

3000K

3500K

4000K

5700K

Red

Green

Blue

Controls

ON/OFF

0-10V

DALI

lumen

talk

DMX

rdm

Description

The Lumenbeam Inground Large Direct View is a high-performance, ground-recessed LED projector designed to solve a range of inground lighting challenges with a choice of trim and control options. The plug and play design simplifies installation, protecting the system from water infiltration and ensuring long-lasting performance. Built with robust, high-quality materials that are resistant to harsh environments, the Lumenbeam Inground Large delivers L70 LED lifetimes up to 79,000 hours, has a Drive-Over rating of 5000kg, IK10 glass lens and an IP68 factory-sealed optical chamber.

Features

Construction	Walk over compliant up to 1000 kg in any type of ground, Drive over compliant up to 5000 kg in concrete
Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Red, Green, Blue
Lens	Opal lens
Trim Type	Flush Trim with Hardware, Flush Trim no Hardware, Bevel Edge Trim with Hardware, Bevel Edge Trim no Hardware
Blockout	Recessed Blockout, Recessed Blockout with Mounting Brackets
Option	Anti-Slip Lens
Power Consumption	30 W
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	763 lm (4000K, On/Off control)
Maximum Delivered Intensity	268 cd (4000K, On/Off control)
Color Consistency	2 SDCM, 3 SDCM (2200K and 5700K)
Color Rendering	Minimum CRI 80

Construction



WO - Walk over



DO - Drive over

Trim Finishes



SSB - Brushed Stainless Steel



SSP - Polished Stainless Steel

Options



Anti-slip lens

Ratings

IP68 IK10

Certifications



Lumen Maintenance	L70 79,000 hrs (Ta 25 °C)
	L70 77,000 hrs (Ta 40 °C)

Physical

Optical Chamber Material	Brass for walk-over and drive-over construction in harsh environments
Blockout Material	Fiberglass reinforced polymer
Lens Material	Tempered glass
Hardware Material	Stainless steel
Gasket Material	Silicone
Trim Finish	Brushed Stainless Steel, Polished Stainless Steel
Weight	23 lbs

Electrical and Control

Voltage	120-277 Volts, 220-240 Volts
Leader Cable Conductor	6C #14-3/ #24-3
Leader Cable Connector	IP68 6-pin push-lock
Control	On/Off Control, Lumentalk, 0-10V Dimming, DALI Dimming, DMX/RDM Enabled
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 104 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP68 (submerged up to 3.3 ft for up to 24 hours), not suitable for permanent immersion applications
Impact Resistance Rating	IK10
Environment	Wet location rating

Accessories (Order Separately)

Cables	3 Conductor Power and 3 Conductor Data Leader Cable with Connector, 3 Conductor Power and 3 Conductor Data Cable
Electrical Accessories	Large Junction Box for Lumenbeam Inground
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration)
Control Systems	Pharos® Lighting Control Kit (PHAROS), Lumenscene™ (LSC)
Diagnostic and Addressing Tools	LumenID (LID)

Important

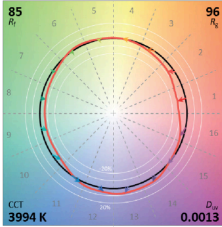
Virtual Patent Marking Notice

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.

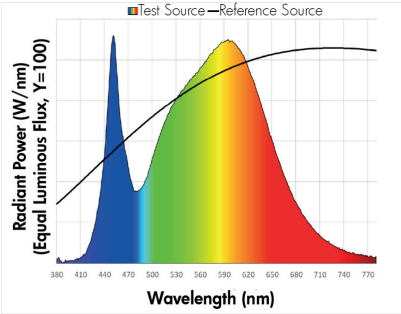
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
	R _a		R _f	
4000K	R _a	83	85	R _f
	R _g	14	96	R _g



Spectral Power Distribution



Construction Details

WO - Walk over
compliant up to 1000kg

Trim type All trim options are suitable (FLH, FLN, BVH and BVN)

Ground type Installed in sand, soft soil, compacted soil, pavement or concrete

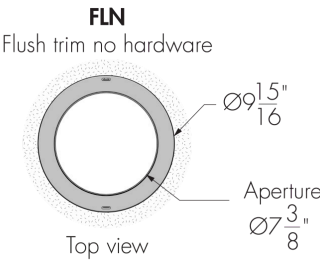
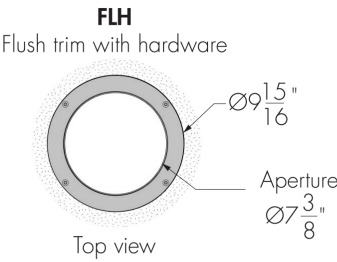
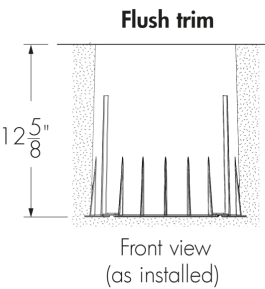
DO - Drive over
compliant up to 5000kg

Trim type Only trim options with visible hardware are suitable (FLH and BVH)

Ground type Installed in concrete

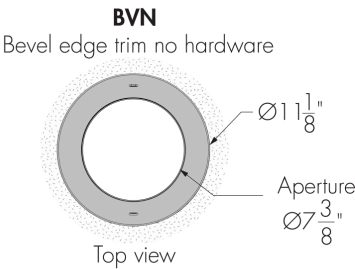
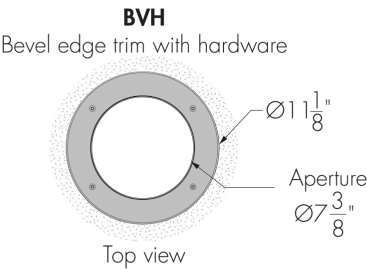
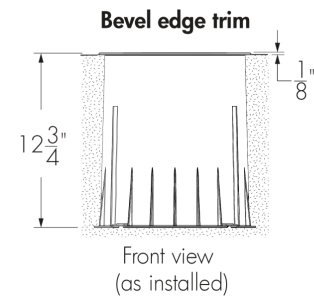
Trim Type

Flush Trim



Only trims with hardware are drive-over compliant.

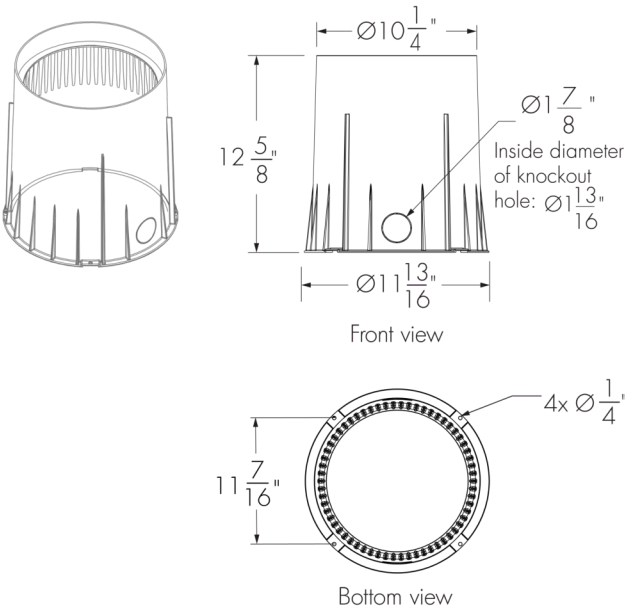
Bevel Edge Trim



Blockout

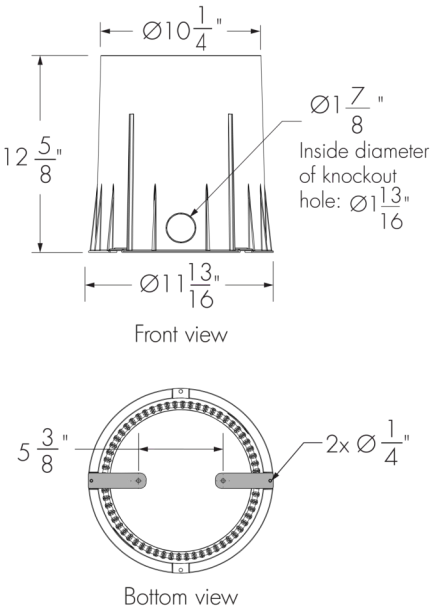
RBO - Recessed Blockout

RBO - Recessed blockout

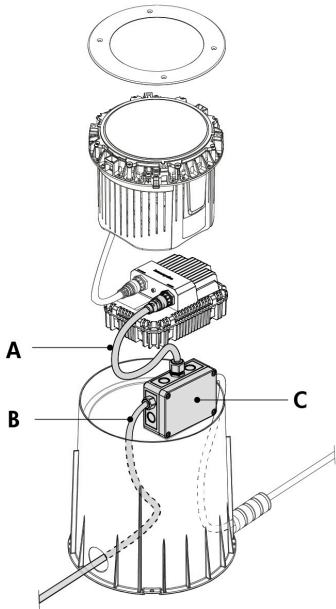


RBM - Recessed Blockout With Mounting Brackets

RBM - Recessed blockout
with mounting brackets



Overview - Cables and Accessories



A - 3P3DLC: 3 Conductor Power and 3 Conductor Data Leader Cable with Connector

B - 3P3DC: 3 Conductor Power and 3 Conductor Data Cable

C - LBI-JBOX-L: Large Junction Box for Lumenbeam Inground (required for continuous runs and DMX/RDM daisy chain layouts)

Refer to typical wiring diagrams for details.

Cables (Order Separately)

3P3DLC - 3 Conductor Power And 3 Conductor Data Leader Cable With Connector



CERTIFICATION: UL or CE
LENGTH: 10 ft, 25 ft or 50 ft

- Sealing endcap is mandatory for all unused connectors. One (1) included with every leader cable.
- Consult 3P3DLC specification sheet for details.

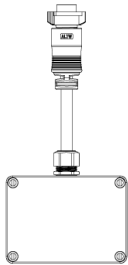
3P3DC - 3 Conductor Power and 3 Conductor Data Cable



CERTIFICATION: UL or CE
LENGTH: 50 ft, 100 ft, 150 ft, 200 ft or complete spool of cable 250 ft

Electrical Accessories (Order Separately)

LBI-JBOX-L - Large Junction Box For Lumenbeam Inground (Required For Continuous Runs And DMX/RDM Daisy Chain Layouts)

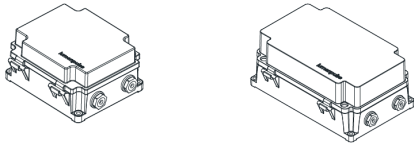


- Included**
- 1x Junction box with 16 in 3P3DLC cable whip
 - 4x Strain reliefs
 - 1x IP68 insulating resin
 - 1x Sealing cap

Refer to LBI-JBOX-L installation instructions for details.

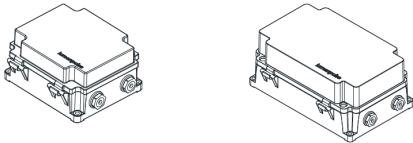
Control Boxes (Order Separately)

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.

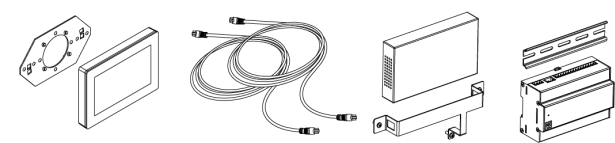
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



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.

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)

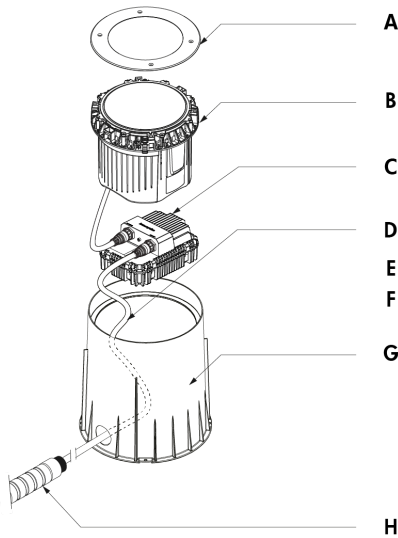
LID - LumenID



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

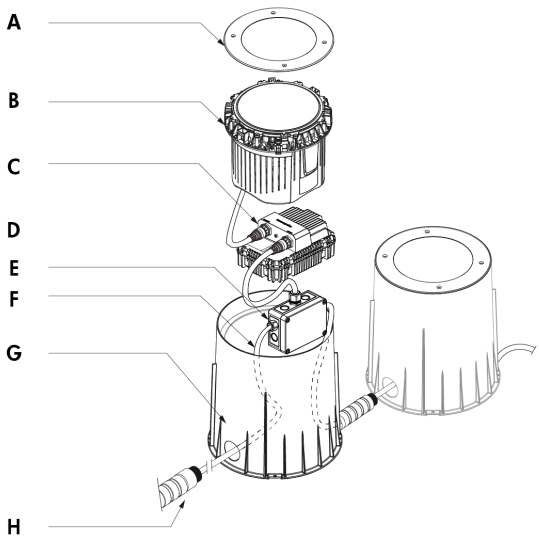
Typical Wiring Diagrams

Typical Installation with Leader Cable



Single unit

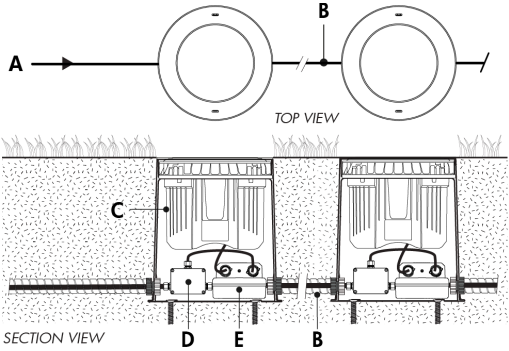
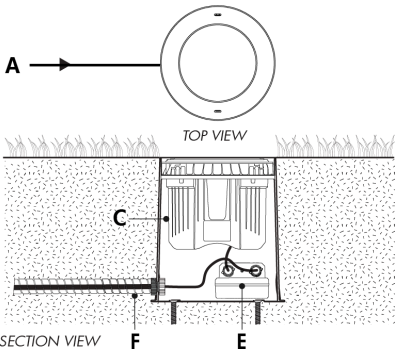
Typical Installation with LBI-JBOX-L Accessory



Continuous run

- A - Trim
- B - Optical chamber (LBILC)
- C - Power and Control Box (PCBX)
- D - 3 Conductor Power and 3 Conductor Data Leader Cable with Connector (3P3DLC)
- E - Large Junction Box for Lumenbeam Inground (LBI-JBOX-L)
- F - 3 Conductor Power and 3 Conductor Data Cable (3P3DC) from Lumenpulse or cable by others
- G - Blockout (RBO or RBM)
- H - Conduit (by others)

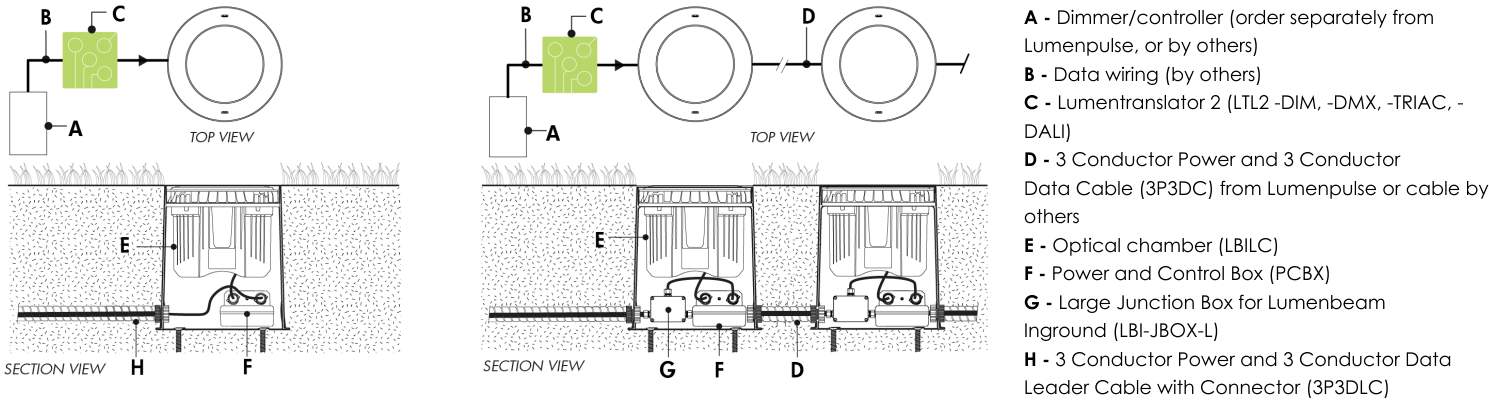
On/Off Control (NO)



- A - Power input (120-277V, wiring by others)
- B - 3 Conductor Power and 3 Conductor Data Cable (3P3DC) from Lumenpulse or cable by others
- C - Optical chamber (LBILC)
- D - Large Junction Box for Lumenbeam Inground (LBI-JBOX-L)
- E - Power and Control Box (PCBX)
- F - 3 Conductor Power and 3 Conductor Data Leader Cable with Connector (3P3DLC)

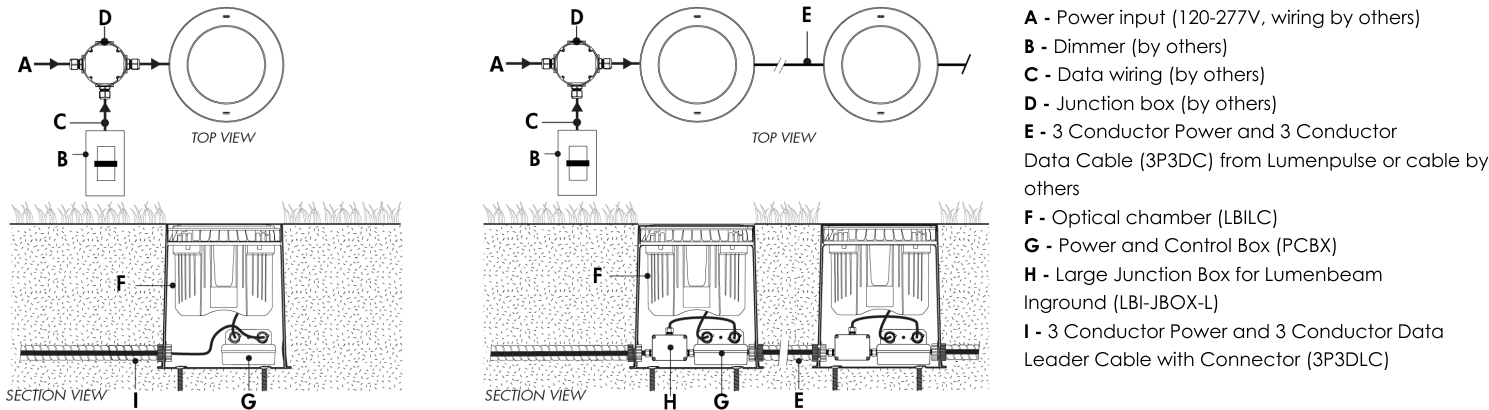
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Refer to Photometric Summary table for wattage information.

Lumentalk (LT)



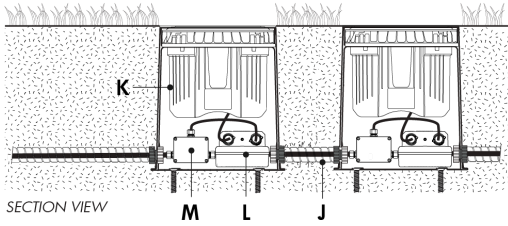
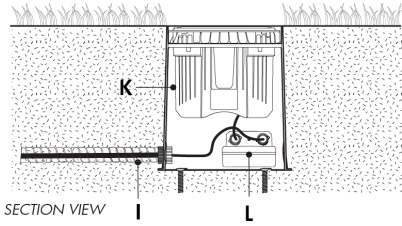
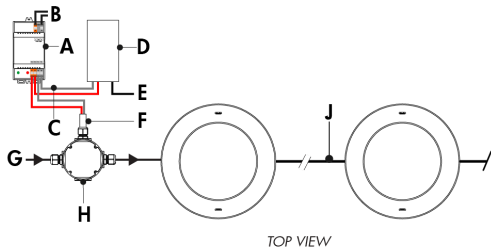
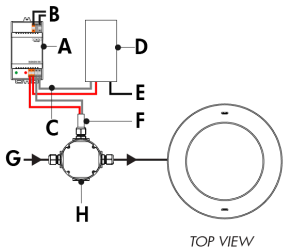
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system. No third party fixtures allowed on the same circuit.
- 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.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value. Refer to Photometric Summary table for wattage information.

0-10V Dimming (DIM)



- 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.
- 1% minimum dimming value. Refer to Photometric Summary table for wattage information.

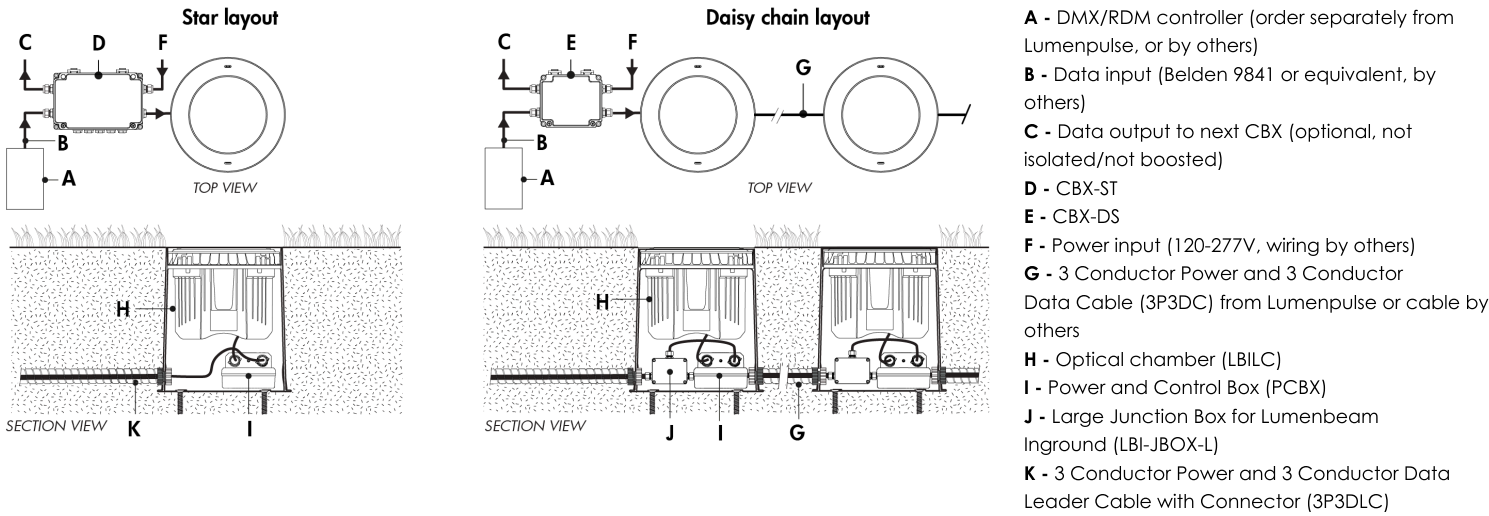
DALI Dimming (DALI)



- A - DALI bus power supply (by others)
- B - Power input for DALI bus power supply (wiring by others)
- C - To DALI controller (by others)
- D - DALI controller (by others)
- E - Power input for DALI controller (wiring by others)
- F - To fixture
- G - Power input (120-277V, wiring by others)
- H - Junction box (by others)
- I - 3 Conductor Power and 3 Conductor Data Leader Cable with Connector (3P3DLC)
- J - 3 Conductor Power and 3 Conductor Data Cable (3P3DC) from Lumenpulse or cable by others
- K - Optical chamber (LBILC)
- L - Power and Control Box (PCBX)
- M - Large Junction Box for Lumenbeam Inground (LBI-JBOX-L)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- Refer to Photometric Summary table for wattage information.

DMX/RDM Enabled (DMX/RDM)



How to Order

Housing ⁽¹⁾	Construction	Voltage	Color and Color Temperature ⁽⁶⁾	Control ⁽⁸⁾	Trim Type	Trim Finish	Blockout	Option	Environment	Certification
LBILD Lumenbeam Inground Large Direct View ⁽²⁾	WO Walk Over DO Drive Over ⁽³⁾	120/277 120-277 Volts ⁽⁴⁾ 220/240 220-240 Volts ⁽⁵⁾	22K 2200K 27K 2700K 30K 3000K 35K 3500K 40K 4000K 57K 5700K RD Red ⁽⁷⁾ GR Green ⁽⁷⁾ BL Blue ⁽⁷⁾	NO On/Off Control LT Lumentalk ⁽⁹⁾ DIM 0-10V Dimming DALI DALI Dimming DMX/RDM DMX/RDM Enabled ⁽¹⁰⁾	FLH Flush Trim with Hardware FLN Flush Trim no Hardware ⁽¹¹⁾ BVH Bevel Edge Trim with Hardware BVN Bevel Edge Trim no Hardware ⁽¹¹⁾	SSB Brushed Stainless Steel SSP Polished Stainless Steel	RBO Recessed Blockout RBM Recessed Blockout with Mounting Brackets	ASL Anti-Slip Lens	HRS Standard Brass Material Suitable for Harsh Environments	UL UL Compliant CE CE Compliant ⁽¹²⁾

- Notes:
1. A Lumenbeam Inground fixture includes one optical chamber (LBILC), one Power and Control Box (PCBX), one recessed blockout with temporary blockout cover (RBO or RBM) and one trim (FLH, FLN, BVH or BVN). The LBILC and PCBX are provided according to the optic and control configuration.

2. Consult factory for products that are BAA-approved (Buy American Act).

3. A trim option with hardware (FLH or BVH) must be specified for DO construction.

4. Available for UL certification only.

5. Available for CE certification only.

6. Consult factory for availability of static Royal Blue, Amber, 6500K and 90+ CRI.

7. Static colors made to order 8-10 weeks.

8. Wattage and output may vary according to control option. Refer to Photometric Summary table for details.

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. Not available for DO construction.

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