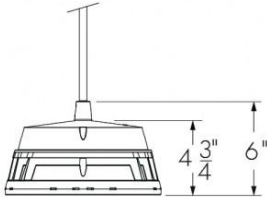


Project Name

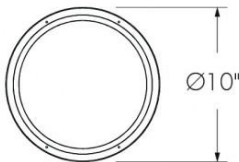
Qty

Type

Catalog / Part Number



Front view



Bottom view

Photometric Summary

Symmetric		
	Delivered output (lm)	Intensity (peak cd)
XN (3°)	4,259	593,580
VN (6°)	3,314	172,676
NS (10°)	5,543	82,608
NF (20°)	5,673	53,203
M (30°)	5,198	28,246
FL (40°)	4,648	11,469
WFL (60°)	4,626	4,677
Asymmetric		
NAS	3,687	56,790 (@2.5°)
WW	4,544	13,924 (@5°)

Based on 4000K configuration.
Photometric performance is measured in compliance with IESNA LM 79-08.

Description

The Lumenbeam Large Pendant is an IP66-rated suspended luminaire for high ceiling applications such as airport terminals and large public atriums. It has numerous options, including optics for flood or accent lighting, a choice of color temperatures and colors, various stem lengths, accessories, spread lenses, and controls. The luminaire also has an anti-corrosion option for use in harsh, chemical, or coastal environments.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Mounting Length	12 in, 24 in, 36 in, 48 in
Optics (Nominal Distribution)	XN (3°), VN (6°), NS (10°), NF (20°), M (30°), FL (40°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash)
Optical Option	Linear spread lens horizontal distribution, Linear spread lens vertical distribution
Option	Corrosion-resistant coating for hostile environments
Power Consumption	50 W
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	5,673 lm (4000K, NF 20°)
Maximum Delivered Intensity	593,580 cd at nadir (4000K, XN 3°)
Illuminance at Distance	Minimum 1 fc at 774 ft (4000K, XN 3°)
Color Consistency	3 SDCM
Color Rendering	Minimum CRI 80
Lumen Maintenance	L70 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 3°, VN 6°, NAS optics only)

Optic



Extra Narrow 3° Very Narrow 6° Narrow Spot 10° Narrow Flood 20°



Medium 30° Flood 40° Wide Flood 60° Narrow Asymmetric



Asymmetric
Wallwash

Color and Color Temperature



2200K 2700K 3000K 3500K 4000K 5700K



Red Green Blue

Control



ON/OFF



0-10V

DALI



DMX/RDM

Ratings

IP66 fixture

IP54 canopy

IK10

Certifications



5 YEARS
warranty

Physical

Housing Material Low copper content high pressure die-cast aluminum

Lens Material Clear tempered glass

Hardware Material Stainless steel

Gasket Material Silicone

Surface Finish Electrostatically applied polyester powder coat

Weight 12 lbs

Electrical and control

Voltage 100 to 277 volts

Fixture Cable Power and data cable goes through stem

Conductors 3C #16-3 (NO, LT control), 5C #16-5 (DIM, DALI, ES control), 6C #14-3/ #24-3 (DMX/RDM control)

Control On/Off control, Lumentalk, 0-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled

Resolution (DMX/RDM) Per fixture, 8-bit or 16-bit

Environmental

Storage Temperature -40 °F to 158 °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 fixture (wet location rated), IP54 canopy (suitable for wet location, not suitable for water jet)

Impact Resistance Rating IK10

Accessories (order separately)

Optical Accessories Snoot, Snoot wide, Visor, Linear Spread Lens Adjustable, Wire guard

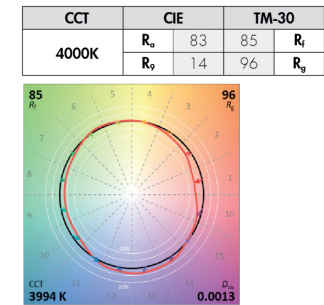
Control Boxes DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration)

Control Systems Lumentone™ 2 (LTN2), Pharos® kit (PHAROS)

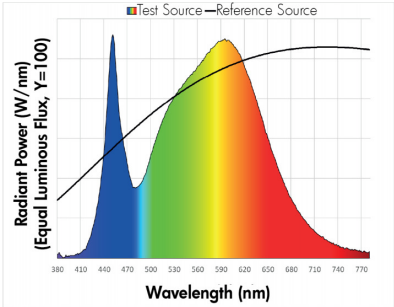
Diagnostic and Addressing Tools LumenID (LID), LumentalkID (LIDLT)

Chromaticity Data

TM-30 - 4000K

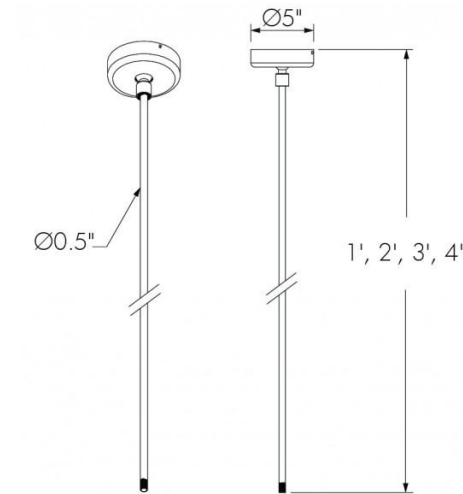


Spectral Power Distribution



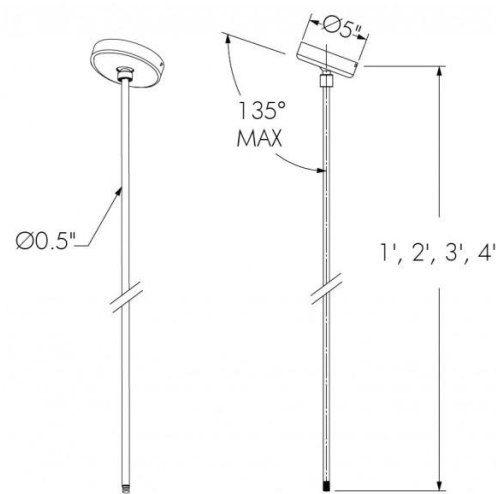
Mounting Types

SCAN - Standard straight stem canopy



Not suitable when fixture is exposed to wind.
Suitable for under canopy installation only.
No vibration rating.

ACAN - Adjustable sloped ceiling canopy



Not suitable when fixture is exposed to wind.
Suitable for under canopy installation only.
No vibration rating.

Optical Options

LSLH - Linear Spread Lens Horizontal Distribution



LSLV - Linear Spread Lens Vertical Distribution



Beam Angles

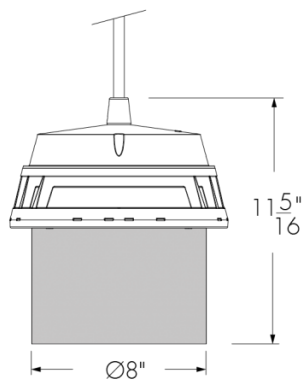
Optic installed in fixture	Beam angle with LSLH/LSLV
XN	5° x 60°
VN	7° x 60°
NS	13° x 66°
NF	16° x 62°
M	23° x 65°
FL	33° x 70°

LLF: 0.88*
*LLF may vary slightly by distribution chosen.

Factory installed, not adjustable on site. Not available for WFL, NAS and WW optics.
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

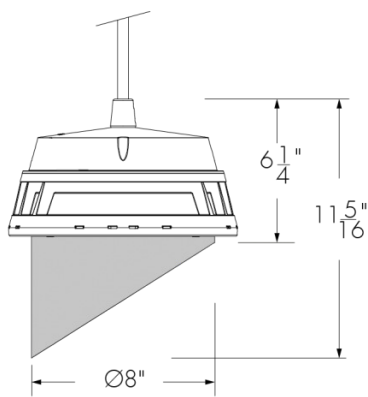
Optical Accessories (Order Separately)

SN - Snoot



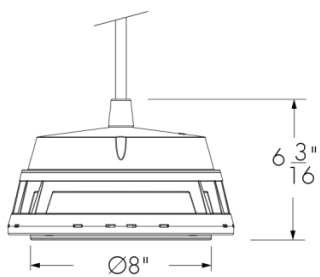
LBLSN-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



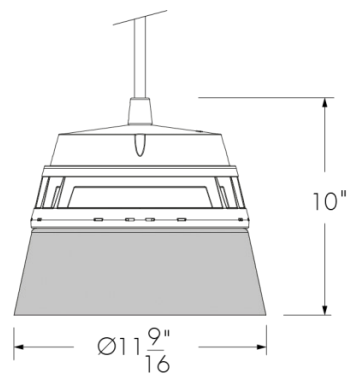
LBLVS-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

WG - Wire Guard



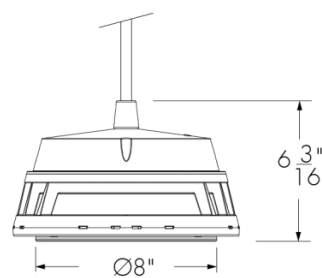
LBLWG-FINISH-OPTIONS (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

SNW - Snoot wide



LBLSNW-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

LSLA - Linear Spread Lens Adjustable



LBLLSLA-FINISH-OPTIONS (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

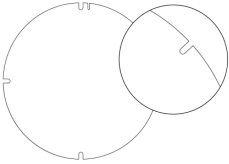
Accessory Combinations

+	Snoot	Snoot wide	Visor
Linear spread lens adjustable	LBLSNLSLA	N/A *	LBVLSLSLA
Wire guard	LBLSNWG	N/A	LBVSWG

Accessory combinations must be ordered together on a single line
Ex: A snoot + wire guard combination order code is LBLSNWG-FINISH-BK-OPTIONS. A maximum of two accessories can be combined per fixture.
*Consult factory for a linear spread lens adjustable + snoot wide combination.

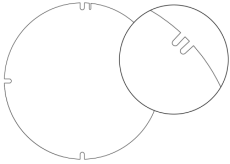
Diffuser Lenses (Intended for Mockup Purposes only, Order Separately)

Diffuser Lens 1 (1 Notch)



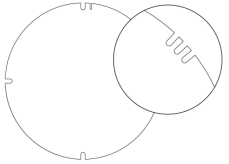
147677

Diffuser Lens 2 (2 Notches)



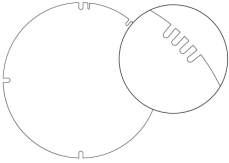
147678

Diffuser Lens 3 (3 Notches)



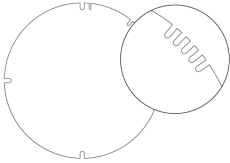
147679

Diffuser Lens 4 (4 Notches)



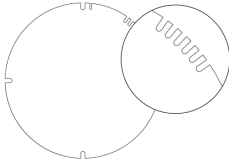
147680

Diffuser Lens 5 (5 Notches)



147681

Diffuser Lens 6 (6 Notches)



147682

Final Distribution Using Diffuser Lenses

Original Distribution on Fixture	Final Distribution Using Diffuser Lens					
	Diffuser Lens 1 1 Notch	Diffuser Lens 2 2 Notches	Diffuser Lens 3 3 Notches	Diffuser Lens 4 4 Notches	Diffuser Lens 5 5 Notches	Diffuser Lens 6 6 Notches
XN (4°/5°)	VN	NS	NF	M	FL	WFL
VN (6°)	NS					
NS (10°)						
NF (20°)						
M (30°)						
FL (40°)						
WFL (60°)						

Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS**: LBALK-S **LBM/LBMP**: LBALK-M **LBL/LBLP**: LBALK-L **LBG/LBGP**: LBALK-G **LBX/LBXP**: LBALK-X.

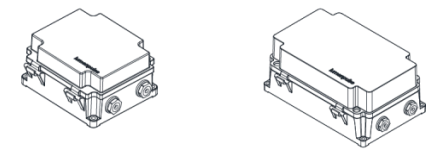
The diffuser lenses are intended for mockup purposes only. A lens holder is required to install a diffuser lens on the fixture, order separately using the following names: **LBS**: LBSLSLA-FINISH-LBALK **LBM/LBMP**: LBMLSAL-FINISH-LBALK **LBL/LBLP**: LBLLSLA-FINISH-LBALK **LBG/LBGP**: LBGLSLA-FINISH-LBALK **LBX/LBXP**: LBXLSLA-FINISH-LBALK

Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

Refer to the Diffuser Lens Installation Instructions on the Lumenpulse website for information on installing the diffuser lenses.

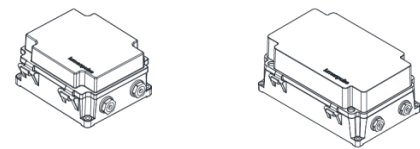
Control Boxes (Order Separately)

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.

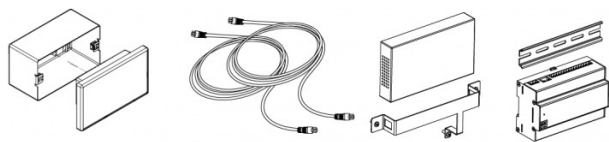
Control Systems (Order Separately)

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



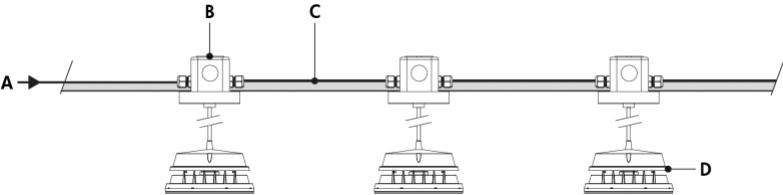
LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

Typical Wiring Diagrams

Wiring Color Code

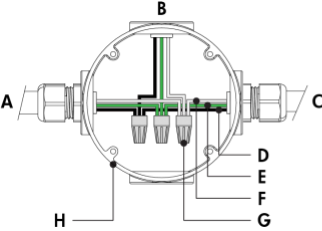
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -
Gray	Signal common (DMX/RDM only)

On/Off Control (NO)



- A - Power input (100-277V AC, wiring by others)
- B - Junction box (by others)
- C - Power wiring (by others)
- D - Lumenbeam Large Pendant

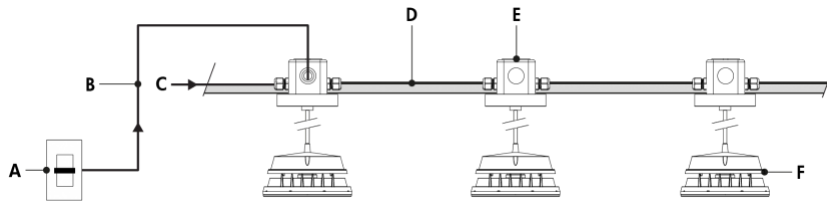
On/Off Control (NO) - wiring detail



- A - Power input or from previous fixture
- B - To fixture
- C - To next fixture
- D - Line
- E - Ground
- F - Line/Neutral
- G - Wire-nut (by others)
- H - Junction box (by others)

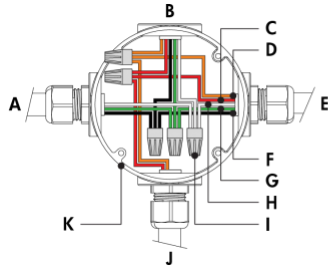
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 50 watts per fixture.

0-10V dimming (DIM)



- A** - Dimmer (by others)
- B** - Data wiring (by others)
- C** - Power input (100-277V AC, wiring by others)
- D** - Power and data wiring (by others)
- E** - Junction box (by others)
- F** - Lumenbeam Large Pendant

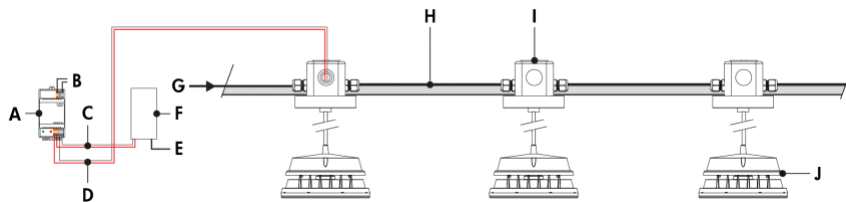
0-10V dimming (DIM) - wiring detail



- A** - Power input or from previous fixture
- B** - To fixture
- C** - 0-10 V +
- D** - 0-10 V -
- E** - To next fixture
- F** - Line
- G** - Ground
- H** - Neutral
- I** - Wire-nut (by others)
- J** - From dimmer (by others)
- K** - Junction box (by others)

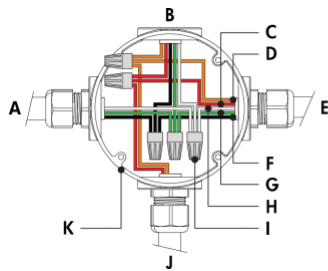
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.
- 50 watts per fixture.

DALI dimming (DALI)



- 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** - Data output to fixture (wiring by others)
- E** - Power input for DALI controller (if required, wiring by others)
- F** - DALI controller (by others)
- G** - Power input (100-277V AC, wiring by others)
- H** - Power and data wiring (by others)
- I** - Junction box (by others)
- J** - Lumenbeam Large Pendant

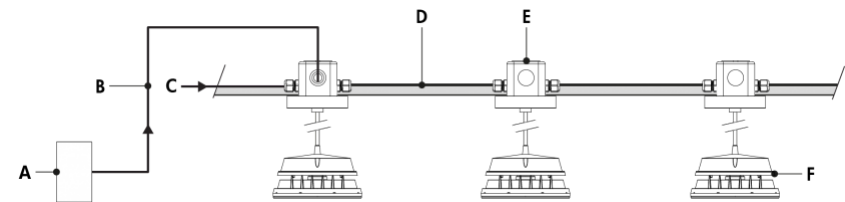
DALI dimming (DALI) - wiring detail



- A** - Power input or from previous fixture
- B** - To fixture
- C** - DA +
- D** - DA -
- E** - To next fixture
- F** - Line
- G** - Ground
- H** - Neutral
- I** - Wire-nut (by others)
- J** - From DALI controller (by others)
- K** - Junction box (by others)

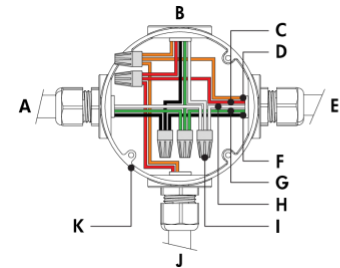
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- 1% minimum dimming value.
- 50 watts per fixture.

Lutron® EcoSystem® Enabled dimming (ES)



- A - Lutron® EcoSystem® controller (by others)
- B - Data wiring (by others)
- C - Power input (100-277V AC, wiring by others)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - Lumenbeam Large Pendant

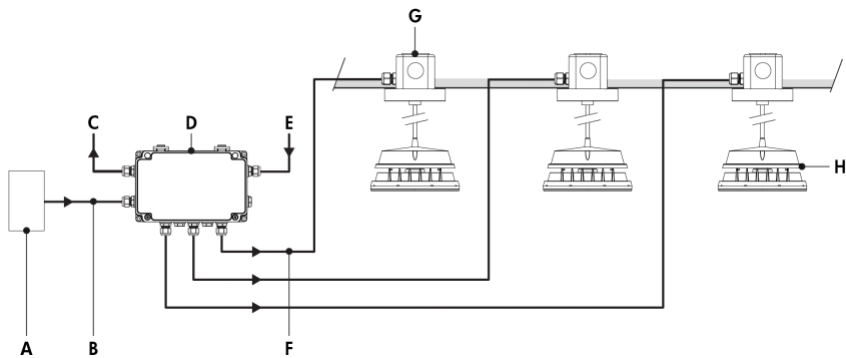
Lutron® EcoSystem® Enabled dimming (ES) - wiring detail



- A - Power input or from previous fixture
- B - To fixture
- C - Data +
- D - Data -
- E - To next fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nut (by others)
- J - From Lutron® EcoSystem® controller (by others)
- K - Junction box (by others)

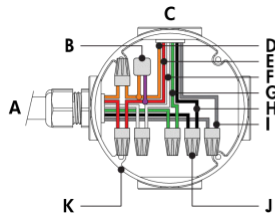
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Each Lutron® EcoSystem® enabled fixture has its own address; for the example shown, there are a total of 3 EcoSystem® addresses.
- 1% minimum dimming value.
- 50 watts per fixture.

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 (100-277V AC, wiring by others)
- F** - Power and data output to fixture (wiring by others)
- G** - Junction box (by others)
- H** - Lumenbeam Large Pendant

Star Layout (DMX/RDM) - Wiring Detail



- A** - From CBX
- B** - Lumenterminator
- C** - To fixture
- D** - Data -
- E** - Data +
- F** - Neutral
- G** - Ground
- H** - Line
- I** - Signal common
- J** - Wire-nut (by others)
- K** - Junction box (by others)

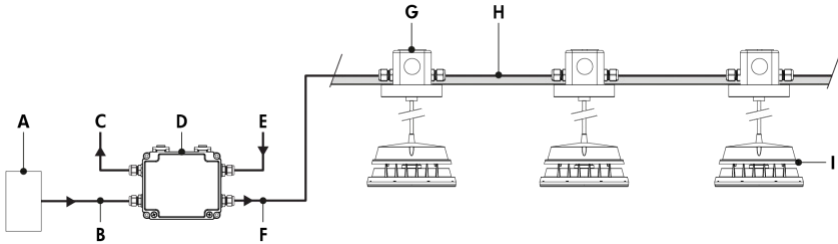
Maximum Fixture Count Per Run

Configuration/Voltage	120V	208V	240V	277V
LBLP	18	28	32	32

Based on 15A maximum, 16AWG cable, fixtures spaced 10 ft on center, first fixture 50 ft from CBX.

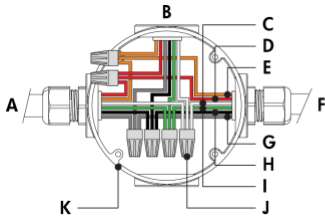
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- Each fixture requires 1 DMX address.
- DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.
- 1% minimum dimming value.
- 50 watts per fixture.

Daisy Chain Layout (DMX/RDM)



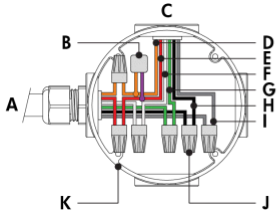
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (wiring by others)
- G - Junction box (by others)
- H - Power and data wiring (by others)
- I - Lumenbeam Large Pendant

Daisy Chain Layout (DMX/RDM) - Wiring Detail (First or Middle of Run)



- A - From CBX or previous fixture
- B - To fixture
- C - Neutral
- D - Data +
- E - Data -
- F - To next fixture
- G - Signal common
- H - Line
- I - Ground
- J - Wire-nut (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - Wiring Detail (End of Run)



- A - From CBX or previous fixture
- B - Lumenterminator
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground
- H - Line
- I - Signal common
- J - Wire-nut (by others)
- K - Junction box (by others)

Maximum Fixture Count Per Run

Configuration/Voltage	120V	208V	240V	277V
LBLP	18	28	32	32

Based on 15A maximum, 16AWG cable, fixtures spaced 10 ft on center, first fixture 50 ft from CBX.

- Consult CBX 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 1 output per CBX-DS.
- Maximum of 3 ft cable length between fixture and next junction box for daisy chain layout.
- Each fixture requires 1 DMX address.
- DMX terminator is required at the end of each run to maintain data integrity. Two (2x) DMX lumenterminators included per CBX-DS. See installation instructions for details.
- 1% minimum dimming value.
- 50 watts per fixture.

How to Order											
Housing	Voltage	Color and Color Temperature ⁽¹⁾	Optic	Mounting Type	Mounting Length ⁽⁵⁾	Optical Option ^{(6) (8)}	Finish	Control	Option	Certification	Buy American Act
LBLP Lumenbeam™ Large Pendant	100 100 volts	22K 2200K	XN Extra Narrow 3° ⁽⁴⁾	SCAN Straight stem canopy	12 12 in	LSLH Linear spread lens horizontal distribution ⁽⁷⁾	BK Black Sandtex®	NO On/Off control	CRC Corrosion-resistant coating ⁽¹⁵⁾ ⁽¹⁶⁾	UL UL Compliant	BAA Buy American ^{(18) (19)}
	120 120 volts	27K 2700K	VN Very Narrow 6° ⁽⁴⁾	ACAN Adjustable sloped ceiling canopy	24 24 in	LSLV Linear spread lens vertical distribution ⁽⁷⁾	BRZ Bronze Sandtex®	LT Lumentalk ^{(12) (13)}		CE CE Compliant ⁽¹⁷⁾	
	208 208 volts	30K 3000K	NS Narrow Spot 10° ⁽⁴⁾		36 36 in		SI Silver Sandtex®	DIM 0-10V dimming		CEII CE compliant Class II double insulated ⁽¹⁷⁾	
	240 240 volts	35K 3500K	NF Narrow Flood 20° ⁽⁴⁾		48 48 in		WH Smooth White	DALI DALI dimming			
	220 220 volts	40K 4000K	M Medium 30° ⁽⁴⁾				BKTX Textured Black	ES Lutron® EcoSystem® Enabled dimming ⁽¹³⁾			
	277 277 volts	RD Red ^{(2) (3)}	FL Flood 40° ⁽⁴⁾				BRZTX Textured Bronze Non-Metallic	DMX/RDM DMX/RDM enabled ⁽¹⁴⁾			
		GR Green ^{(2) (3)}	WFL Wide Flood 60° ⁽⁴⁾				GRATX Textured Medium Gray				
		BL Blue ^{(2) (3)}	NAS Narrow Asymmetric ⁽⁴⁾				GRNTX Textured Green				
			WW Asymmetric Wallwash ⁽⁴⁾				WHTX Textured White				
							CC Custom Color & Finish ^{(9) (10) (11)}				

Notes:

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

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

3. Not available for XN optic.

4. Factory installed, not interchangeable on site.

5. Consult factory for custom stem lengths.

6. Optical options are factory installed and cannot be changed in the field.

7. Field adjustable spread lens optical accessory available, order separately.

8. Not available with WFL, NAS and WW optics.

9. 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.

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

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

12. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLTI) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

13. Not available with Class II double insulated option.

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

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

16. Setup charges apply. Consult factory for details.

17. Consult European specification sheets and installation instructions for CE and CE Class II wiring information.

18. Not available with CE or CEII certification options.

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