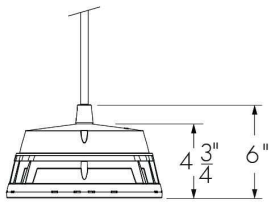
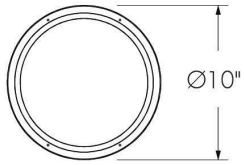
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



Front View



Bottom View

Photometric Summary

Symmetric

	Delivered output (lm)	Intensity (peak cd)
VN (6°)	3,335	173,787
NS (10°)	3,570	126,603
NF (20°)	3,522	33,089
M (30°)	3,233	14,616
FL (40°)	3,037	7,496
WFL (60°)	2,525	2,622
VWFL (90°)	3,131	1,623

Asymmetric

NAS	3,711	57,155 (@2.5°)
WW	3,071	13,650 (@5°)

1. Based on DWH, full output.
2. Photometric performance is measured in compliance with IESNA LM-79-24.
3. Refer to the Lumenbeam Dynamic White Photometric Guide on Lumenpulse website for information on other color temperatures.

Optic


Very Narrow 6°


Narrow Spot 10°


Narrow Flood 20°


Medium 30°


Flood 40°


Wide Flood 60°


Very Wide Flood 90°


Narrow Asymmetric


Asymmetric Wallwash

Description

The Lumenbeam Large Pendant Dynamic White is an IP66-rated suspended luminaire for general and accent lighting indoors or outdoors, enabling the selection of any color temperature from 2200K to 3000K or from 2700K to 6500K. This dynamic white feature gives designers and their clients the freedom to alter the ambiance of a space in response to the time of day or the way a space is used. A number of other options are on offer: optics for flood or accent lighting, 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	**DWW:** Dynamic Warm White (2200K to 3000K), **DWH:** Dynamic White (2700K to 6500K)
Mounting Length	**12:** 12 in, **24:** 24 in, **36:** 36 in, **48:** 48 in
Optics (Nominal Distribution)	**VN:** VN (6°), **NS:** NS (10°), **NF:** NF (20°), **M:** M (30°), **FL:** FL (40°), **WFL:** WFL (60°), **VWFL:** VWFL (90°), **NAS:** NAS (Narrow Asymmetric), **WW:** WW (Asymmetric Wallwash)
Optical Option	**LSLH:** Linear Spread Lens Horizontal Distribution, **LSLV:** Linear Spread Lens Vertical Distribution
Option	**CRC:** Corrosion-Resistant Coating for Hostile Environments
Power Consumption	50 W
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	2,872 lm (DWW full output, NAS, DMX/RDM) 3,711 lm (DWH full output, NAS, DMX/RDM)
Maximum Delivered Intensity	134,511 cd at nadir (DWW full output, VN 6°, DMX/RDM) 173,787 cd at nadir (DWH full output, VN 6°, DMX/RDM)

Color and Color Temperature

Dynamic Warm White (2200K to 3000K)

Dynamic White (2700K to 6500K)

Control

DIM/DTW | DMX/RDM1 | DMX/RDM | lumentalk

DALI T8

Ratings

IP66 fixture | IP54 canopy | IK10

Certifications

Illuminance at Distance	Minimum 1 fc at 368 ft (DWW full output, VN 6°, DMX/RDM) Minimum 1 fc at 419 ft (DWH full output, VN 6°, DMX/RDM)
Lumen Maintenance	L70 120,000 hrs (Ta 25 °C)

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 (LT control) 5C #16-5 (DIM/DTW, DALIT8 control) 6C #14-3/ #24-3 (DMX/RDM1, DMX/RDM control)
Control	Lumentalk, Dim to Warm via 0-10V (2700K to 2200K), Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K), DMX/RDM Enabled 3-Channel Color Temperature Control, DALI 2 T8 Enabled Dimming 0.1%
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Dynamic Warm Color Temperature Mixing	36 LEDs (12x 2200K, 12x 2700K, 12x 3000K)
Dynamic White Color Temperature Mixing	36 LEDs (12x 2700K, 12x 4000K, 12x 6500K)

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	Lumenbeam Large Snoot, Lumenbeam Large Snoot Wide, Lumenbeam Large Visor, Lumenbeam Large Linear Spread Lens Adjustable, Lumenbeam Large Wire Guard
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration)
Control Systems	Pharos® Designer Lighting Control Kit (PHAROS), Pharos® Expert Control Kit (EXPERT)

Diagnostic and Addressing Tools	LumenID (LID)

Important

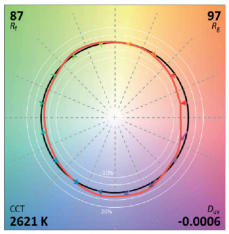
Virtual Patent Marking Notice

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.

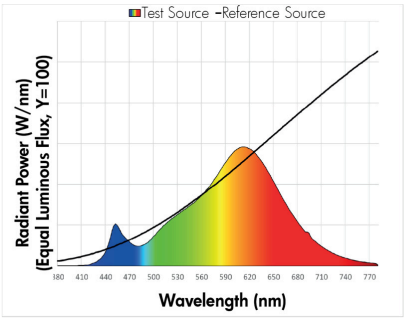
Chromaticity Data

TM-30 - DWW

CCT	CIE		TM-30	
DWW Full Output	R_a	86	87	R_f
	R_9	26	97	R_g

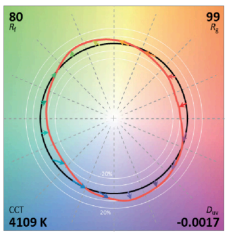


DWW Spectral Power Distribution

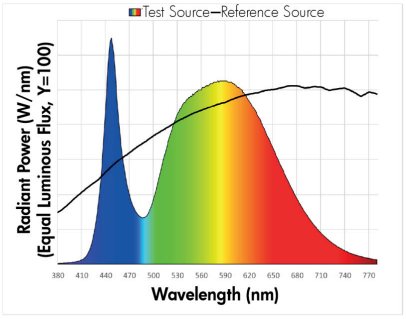


TM-30 - DWH

CCT	CIE		TM-30	
DWH Full Output	R_a	81	80	R_f
	R_9	22	99	R_g

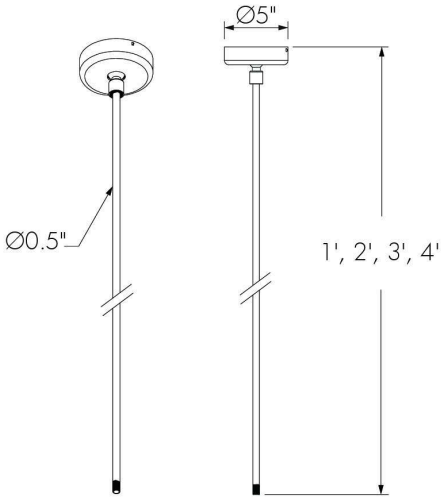


DWH Spectral Power Distribution



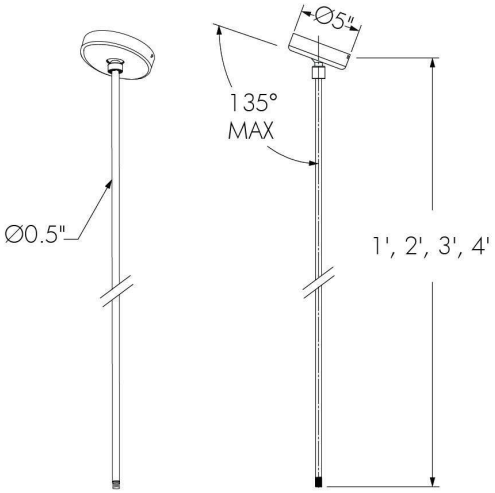
Mounting Types

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

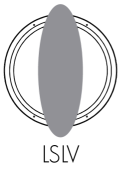


Not suitable when fixture is exposed to wind.
Suitable for under canopy installation only.
No vibration rating.

Optical Options

LSLH - Linear Spread Lens Horizontal Distribution

LSLV - Linear Spread Lens Vertical Distribution



Beam Angles

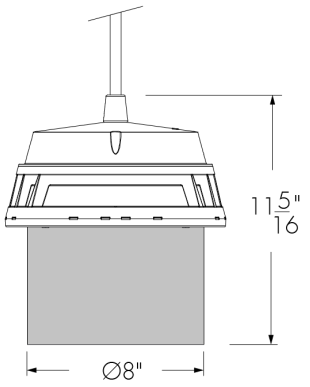
Optic installed in fixture	Beam angle with LSLH/LSLV
VN	7° x 60°
NS	13° x 66°
NF	16° x 62°
M	23° x 65°
FL	33° x 70°

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

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

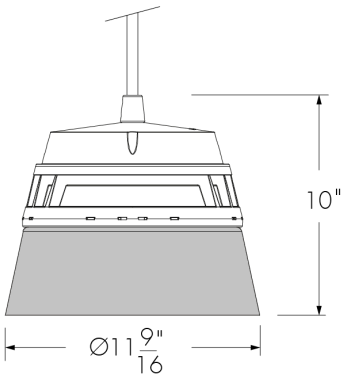
Optical Accessories (Order Separately)

SN - Snoot



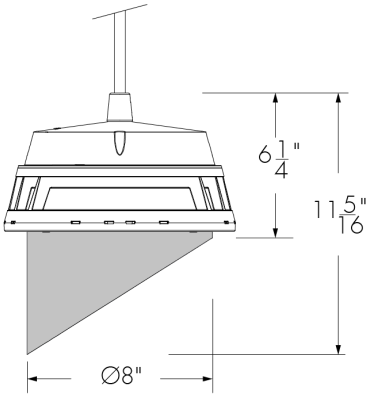
LBLSN-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

SNW - Snoot Wide



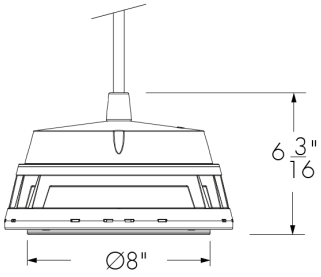
LBLSNW-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



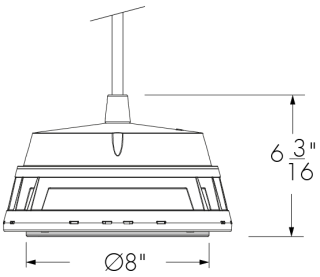
LBLVS-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

LSLA - Linear Spread Lens Adjustable



LBLLSLA-**FINISH**-**OPTIONS** (CRC)
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.

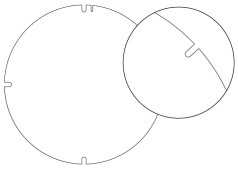
Accessory Combinations

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

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.

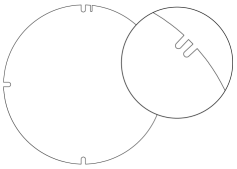
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



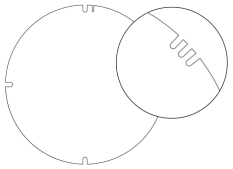
147677

Diffuser Lens 2 (2 Notches)



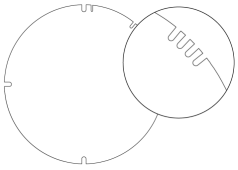
147678

Diffuser Lens 3 (3 Notches)



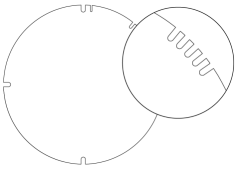
147679

Diffuser Lens 4 (4 Notches)



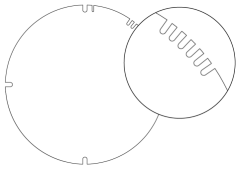
147680

Diffuser Lens 5 (5 Notches)



147681

Diffuser Lens 6 (6 Notches)



147682

Final Distribution Using Diffuser Lenses

	Final Distribution Using Diffuser Lens					
Original Distribution on Fixture	**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	WFL	
FL (40°)						
WFL (60°)						VWFL
VWFL (90°)						

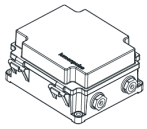
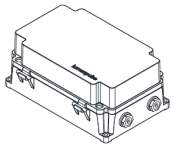
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS:** LBALK-S **LBM/LBMP:** LBALK-M **LBL/LBLP**: LBALK-L **LBG/LBGP:**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

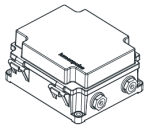
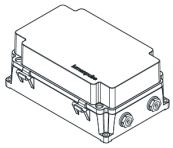
Control Boxes (Order Separately)

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.

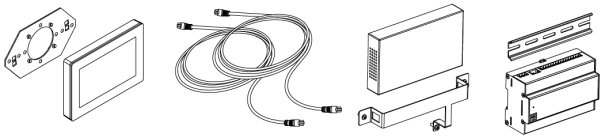
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)

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.

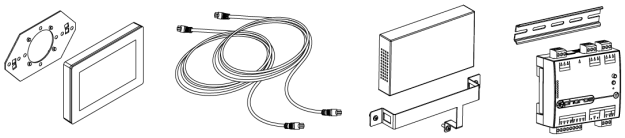
Control Systems (Order Separately)

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.

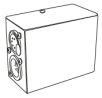
EXPERT - Pharos® Expert Control Kit



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



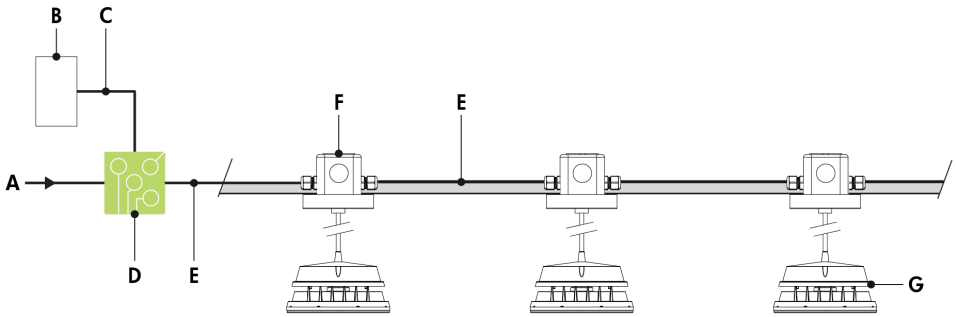
The updated LumenID (LID) is an all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Cable option may vary; please consult factory. For complete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

Typical Wiring Diagrams

Wiring Color Code

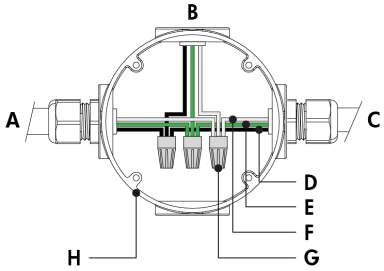
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -
Gray	Signal common (DMX/RDM only)

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 - Lumenbeam Large Pendant

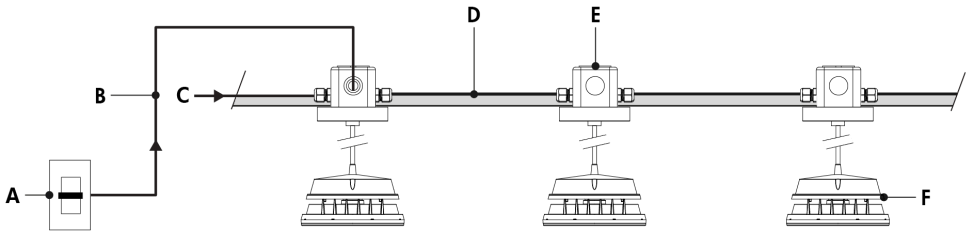
Lumentalk (LT) - Wiring Detail



A - Power input (control over power line via Lumentalk system) 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)

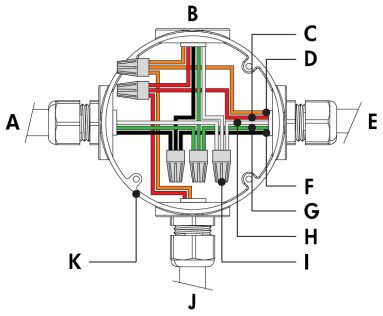
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- 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.
- 50 watts per fixture.

Dim to Warm Via 0-10V (DIM/DTW*)
***Available For DWW Version Only, 2700K to 2200K**



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

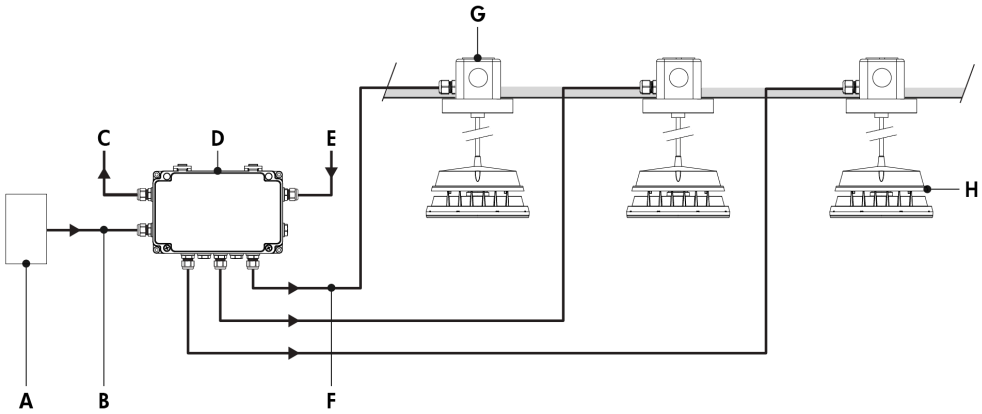
Dim to Warm Via 0-10V (DIM/DTW) - Wiring Detail



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)

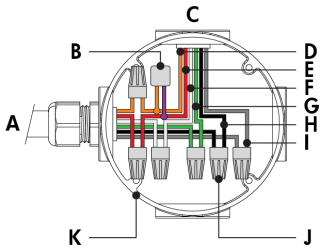
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 50 watts per fixture.

Star Layout (Dim to Warm Via DMX/RDM1* or 3-Channel DMX/RDM)
***Available For DWW Version Only, 2700K To 2200K**



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/RDM1 or 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)

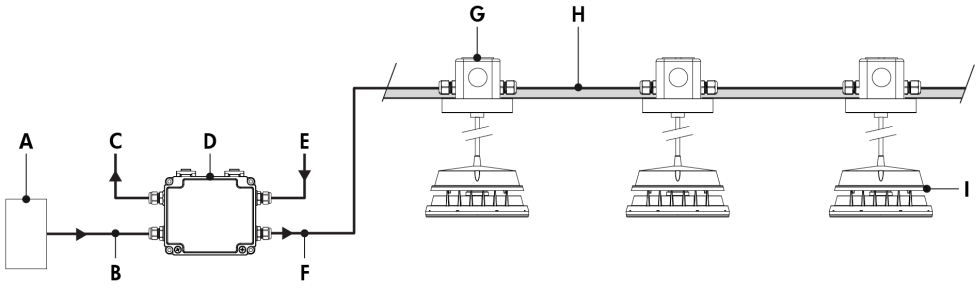
Maximum Fixture Count Per Run

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.

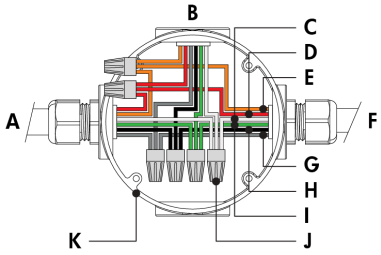
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- DMX/RDM1 control option requires 1 DMX address. DMX/RDM control option requires 3 DMX addresses.
- 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.
- 50 watts per fixture.

Daisy Chain Layout (Dim to Warm Via DMX/RDM1* or 3-Channel DMX/RDM)
*Available for DWW Version Only, 2700K to 2200K



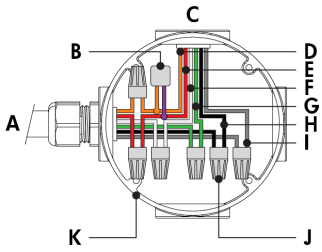
A - DMX/RDM controller (order separately from Lumenpulse, or by others)
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (100-277V AC, wiring by others)
F - Power and data output to fixture (wiring by others)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

Daisy Chain Layout (DMX/RDM1 or 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/RDM1 or 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)

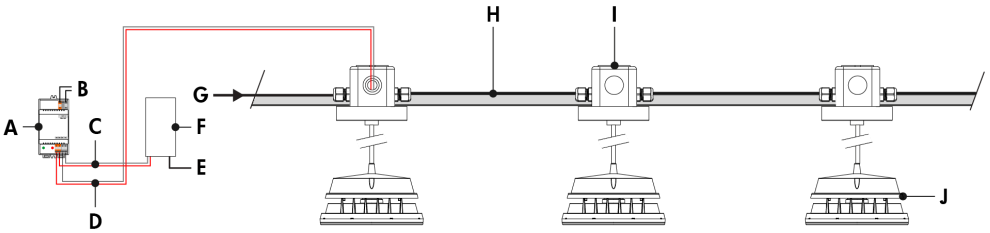
Maximum Fixture Count Per Run

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.

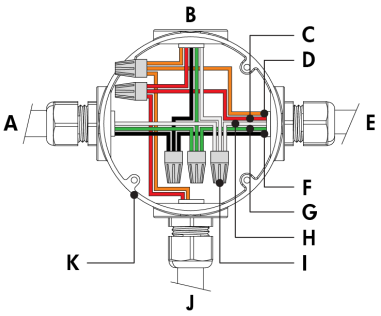
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading 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.
- DMX/RDM1 control option requires 1 DMX address. DMX/RDM control option requires 3 DMX addresses.
- 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.
- 50 watts per fixture.

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 - 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 2 T8 (DALIT8) - 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.
- The Lumenbeam responds to RGBWAF controls.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- 50 watts per fixture.

How to Order

Housing	Voltage	Color and Color Temperature	Optic	Mounting Type	Mounting Length [2]	Optical Option [3] [5]	Finish	Control [9]	Option	Certification	Buy America.n Act
LBLP Lumenbeam™ Large Pendant	**100** 100 Volts **120** 120 Volts **208** 208 Volts **220** 220 Volts **240** 240 Volts **277** 277 Volts	**DWW** Dynamic Warm White (2200K to 3000K) **DWH** Dynamic White (2700K to 6500K)	**VN** Very Narrow 6° [1] **NS** Narrow Spot 10° [1] **NF** Narrow Flood 20° [1] **M** Medium 30° [1] **FL** Flood 40° [1] **WFL** Wide Flood 60° [1] **VWFL** Very Wide Flood 90° [1] **NAS** Narrow Asymmetric [1] **WW** Asymmetric Wallwash [1]	**SCAN** Straight Stem Canopy **ACAN** Adjustable Sloped Ceiling Canopy	**12** 12 in **24** 24 in **36** 36 in **48** 48 in	**LSLH** Linear Spread Lens Horizontal Distribution [4] **LSLV** Linear Spread Lens Vertical Distribution [4]	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth White **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish [6] [7] [8]	**LT** Lumentalk [10] [11] **DIM/DTW** Dim to Warm via 0-10V (2700K to 2200K) [9] **DMX/RDM1** Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K) [9] [12] **DMX/RDM** 3-Channel Color Temperature Control via DMX/RDM [12] **DALIT8** DALI 2 T8 Enabled Dimming 0.1% [13]	**CRC** Corrosion-Resistant Coating [14] [15]	**UL** UL Compliant **CE** CE Compliant [16] **CEII** CE Compliant Class II Double Insulated [16]	**BAA** Buy America.n [17] [18]

Notes:

1. Factory installed, not interchangeable on site.
2. Consult factory for custom stem lengths.
3. Optical options are factory installed and cannot be changed in the field.
4. Field adjustable spread lens optical accessory available, order separately.
5. Not available with WFL, VWFL, NAS and WW optics.
6. 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.
7. Setup charges apply for RAL colors. Consult factory for details.
8. Longer lead times can be expected for custom RAL color finishes.
9. Available for DWW color temperature option only.
10. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
11. Not available with Class II double insulated option.
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. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
15. Setup charges apply. Consult factory for details.
16. Consult European specification sheets and installation instructions for CE and CE Class II wiring information.
17. Not available with CE or CEII certification options.
18. Contact your Lumenpulse Sales Representative for more information on order volume details.