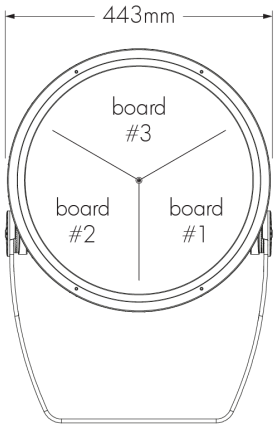
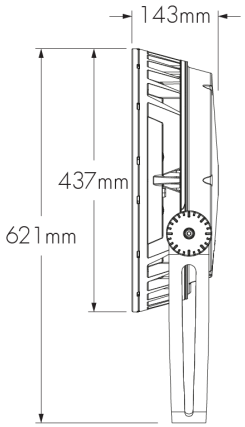
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



Front view



Side view

Photometric Summary

Symmetric

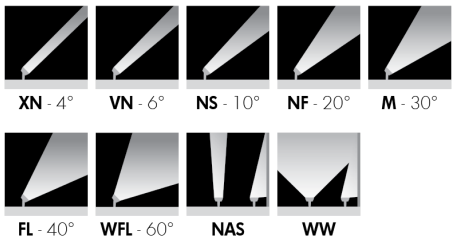
	Delivered output (lm)	Intensity (peak cd)
XN (4°)	14,193	1,169,800
VN (6°)	13,032	783,520
NS (10°)	13,218	461,820
NF (20°)	21,223	217,985
M (30°)	19,939	81,257
FL (40°)	19,198	41,544
WFL (60°)	17,942	16,127

Asymmetric

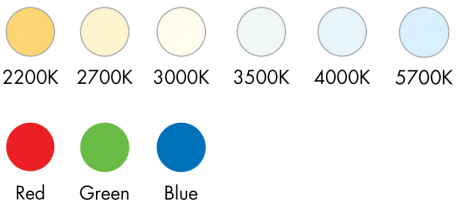
NAS	11,306	174,373 (@2.5°)
WW	17,610	42,817 (@5°)

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

Optics



Colours and Colour Temperatures



Controls

ON/OFF 1-10V DALI

lumentalk DMXrdm EcoSystem Enabled

Description

The Lumenbeam XLarge is an IP66-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details. It has numerous options, including two outputs RO (140W) and HO (205W), optics for flood or accent lighting, a choice of colour temperatures and colours, as well as various accessories, spread lenses, and controls. The luminaire also has an anti-corrosion option for use in harsh, chemical, or coastal environments.

Features

Colour and Colour Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Red, Green, Blue
Optics (nominal distribution)	XN (4°), 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
Options	Short Yoke, 3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments
Cable Colour	Black, White
Power Consumption	140 W (RO version), 205 W (HO version)
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	16,353 lm (4000K, NF 20°, RO version), 21,223 lm (4000K, NF 20°, HO version)
Maximum Delivered Intensity	903,836 cd at nadir (4000K, XN 4°, RO version), 1,169,800 cd at nadir (4000K, XN 4°, HO version)
Illuminance at Distance	Minimum 1 lx at 951 m (4000K, XN 4°, RO version), Minimum 1 lx at 1082 m (4000K, XN 4°, HO version)
Colour Consistency	2 SDCM
Colour Rendering	Minimum CRI 80
Lumen Maintenance	L70 B50 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 4°, NAS optics only)

Physical

Housing Material	Low copper content high pressure die-cast aluminium

lumenpulse™
1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9 CA **T** 514 937 3003 | 1 877 937 3003 **F** 514 937 6289
info@lumenpulse.com **www.lmpg.com** **www.lumenpulse.com/products/2300**

Ratings

IP66 IK09

Certifications

Yoke Material	Steel (standard yoke included)
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	17.24 kg
EPA	Front = 0.18 sq m, Side = 0.04 sq m

Electrical and control

Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	3C: 3 x 1,5 mm^2 (NO, LT control), 5C: 5 x 1,5 mm^2 (DIM, DALI, ES control), 6C: 3 x 1,5 mm^2/ 3 x 0,20 mm^2 (DMX/RDM control)
Inrush Current (peak)	LBX RO: 65A @230VAC, LBX HO: 75A @230VAC
Control	On/Off control, Lumentalk, 1-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit

Environmental

Storage Temperature	-40 °C to 70 °C (device must reach start-up temperature value before operating)
Start-up Temperature	-25 °C to 50 °C
Operating Temperature	-40 °C to 50 °C
Ingress Protection Rating	IP66
Impact Resistance Rating	IK09

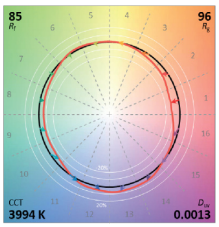
Accessories (order separately)

Optical Accessories	Snoot, Lumenbeam LBX 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	Pharos® kit
Diagnostic and Addressing Tools	LumenID, LumentalkID

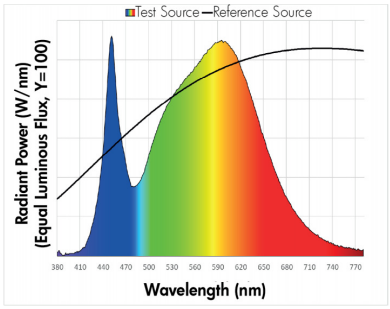
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R_a	83	85	R_f
	R_9	14	96	R_g

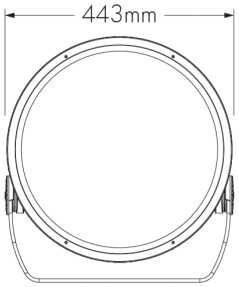


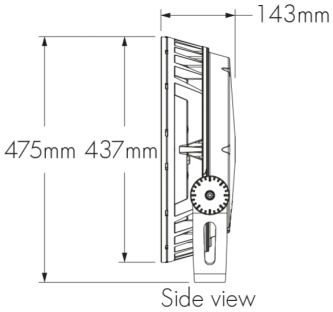
Spectral Power Distribution



Mounting options

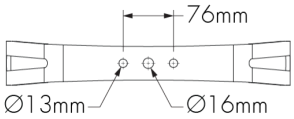
SY - Short yoke



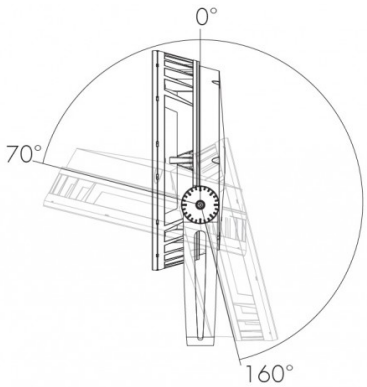


Mounting details

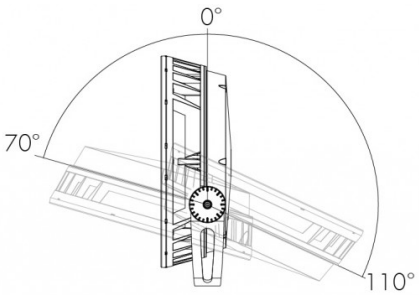
Mounting hole pattern - standard and short yoke



Adjustable pivot limits (adjustable in 6 degree increments)



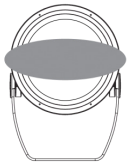
Standard yoke



Short yoke

Optical options

LSLH - Linear spread lens horizontal distribution



LSLH

LSLH - Linear spread lens horizontal distribution

LSLV - Linear spread lens vertical distribution

LSLV

Beam angles

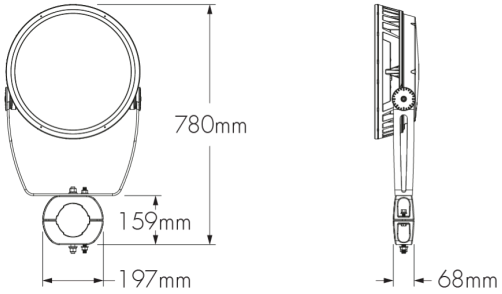
Optic installed in fixture	Beam angle with LSLH/LSLV
XN	5° x 60°
VN	8° x 50°
NS	9° x 56°
NF	17° x 57°
M	27° x 68°
FL	37° x 74°

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

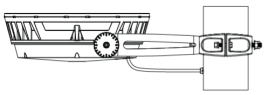
Factory installed, not adjustable on site. Not available for WFL, NAS and WW optics.
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

Mounting accessories (order separately)

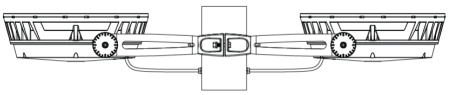
Round pole mounting accessory



PM4 model shown.
Consult factory for square pole section.



PM4-1, **PM4.5-1**, **PM5-1 -** Round pole mounting accessory - single fixture

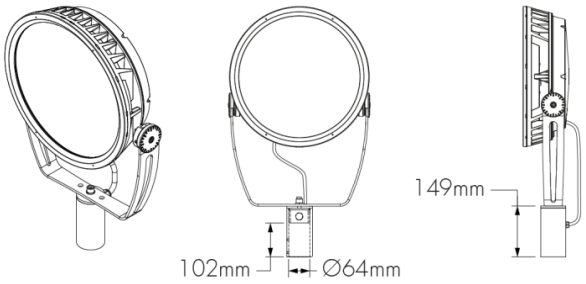


PM4-2, **PM4.5-2**, **PM5-2 -** Round pole mounting accessory - twin fixtures
*One bracket assembly is supplied per 2 fixtures unless otherwise specified.

	PM4	PM4.5	PM5
For pole Ø	101.6mm ± 1.6mm	114.3mm ± 1.6mm	127mm ± 1.6mm

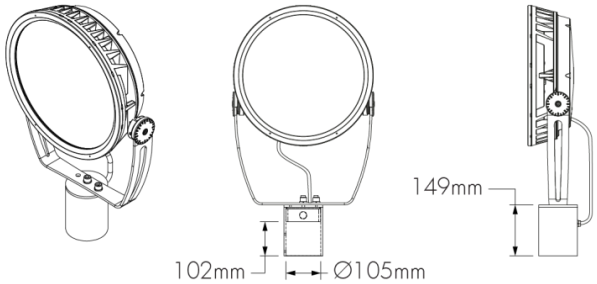
Consult factory for other pole diameters.

Tenon adapter



TN2 - Tenon adapter to fit on 60 mm O.D. tenon

Vertical mounting only. Consult factory for horizontal mounting.



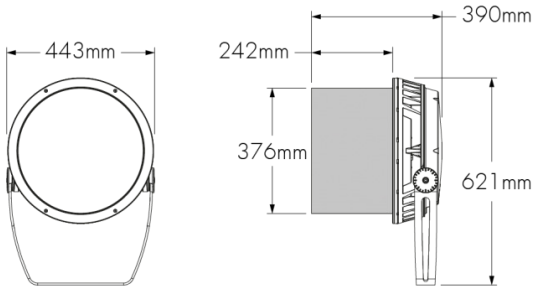
TN4 - Tenon adpater to fit on 102 mm O.D. tenon

Vertical mounting only. Consult factory for horizontal mounting.

Optical accessories (order separately)

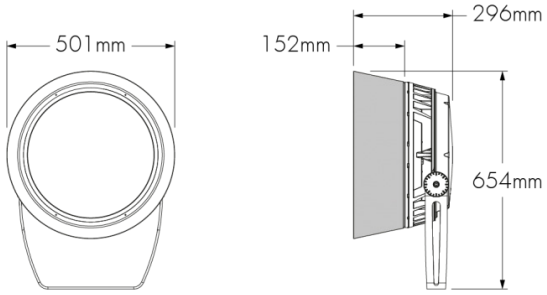
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

SN - Snoot



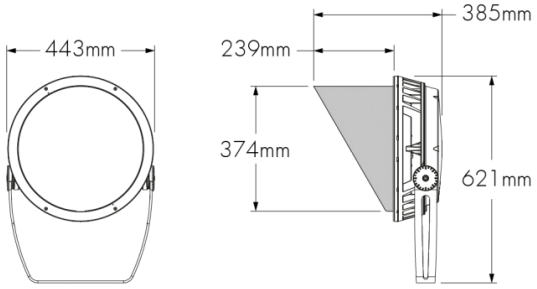
LBXSN-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

SNW - Snoot wide



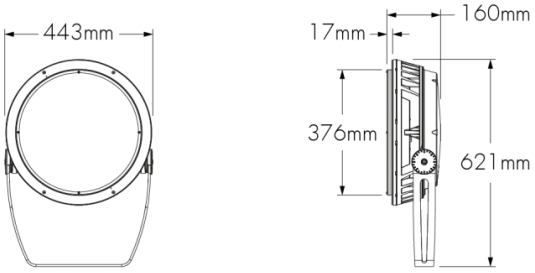
LBXSNW-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



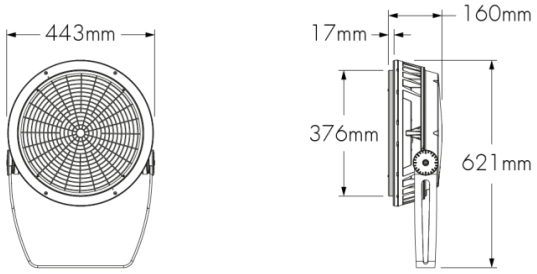
LBXVS-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

LSLA - Linear spread lens adjustable



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

WG - Wire guard



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

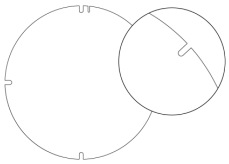
Accessory combinations

+	Snoot	Snoot wide	Visor
Linear spread lens adjustable	LBXSNLSLA	N/A*	LBXVSLSLA
Wire guard	LBXSNWG	N/A	LBXVSWG

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

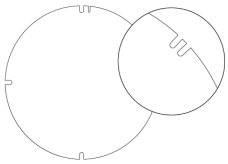
Diffuser lenses

Diffuser lens 1 (1 notch)



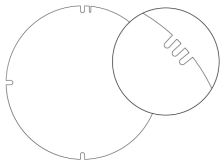
147689

Diffuser lens 2 (2 notches)



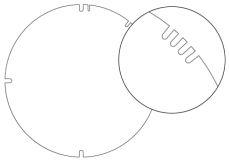
147690

Diffuser lens 3 (3 notches)



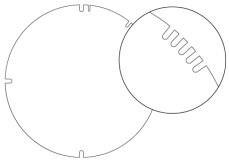
147691

Diffuser lens 4 (4 notches)



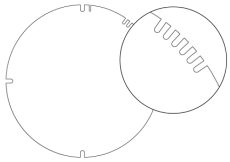
147692

Diffuser lens 5 (5 notches)



147693

Diffuser lens 6 (6 notches)



147694

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°)				FL	WFL	
M (30°)						
FL (40°)						
WFL (60°)						

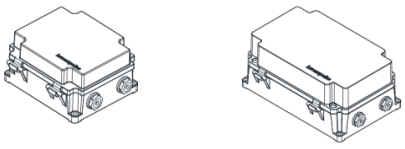
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS:** LBALK-S **LBM/LBMP:** LBALK-M **LBL/LBLP**: LBALK-L **LBG/LBGP:**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

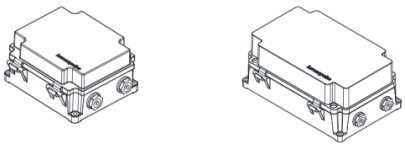
Control boxes (order separately)

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.

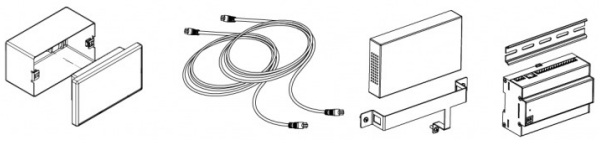
CBX-ENET - Ethernet enabled (daisy chain or star configuration)



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® 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.

EPA Guide

	LBX 	LBX with snoot 	LBX with visor 	LBX with snoot wide 
EPA front (m^2)	0.179	0.179	0.179	0.278
EPA side (m^2)	0.042	0.110	0.110	0.095

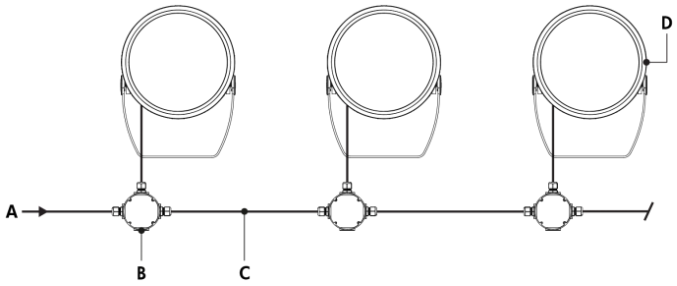
Typical wiring diagrams

Wiring colour code

CE Colour Code	USE
Yellow/Green	Ground
Brown	Line
Blue	Line/Neutral
Black or Purple	1-10V / Data +
Grey or Orange	1-10V / Data -
Grey	Signal common (DMX/RDM only)

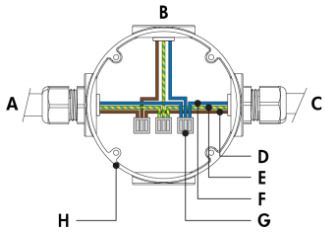
CE Class II Colour Code		USE
All other controls	DMX/RDM	
Brown	Brown	Line
Blue	Blue	Line/Neutral
Black 1	Grey	Signal common (DMX/RDM only)
Black 2	Black or Purple	1-10V / Data +
Grey	Grey or Orange	1-10V / Data -
N/A	Yellow/Green	Ground (do not connect)

On/Off Control (NO)



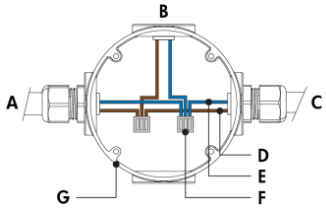
A - Power input (100-277V AC, wiring by others)
B - Junction box (by others)
C - Power wiring (by others)
D - Lumenbeam LBX

On/Off control (NO) - wiring detail - CE



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

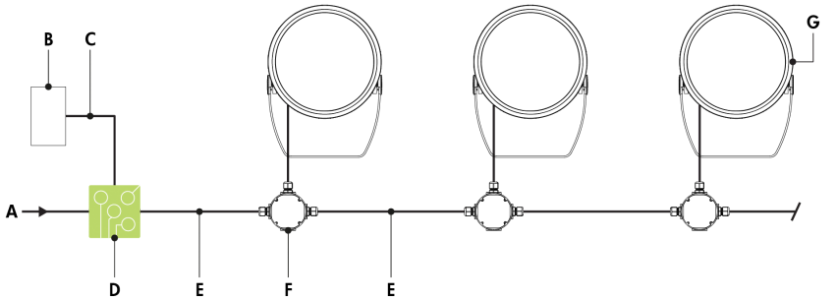
On/Off control (NO) - wiring detail - CE Class II



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

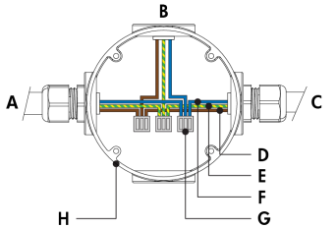
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

Lumentalk (LT)



A - Power input (100-277V AC, wiring by others)
B - Dimmer/controller (order separately from Lumenpulse, or by others)
C - Data wiring (by others)
D - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
E - Power wiring (by others)
F - Junction box (by others)
G - Lumenbeam LBX

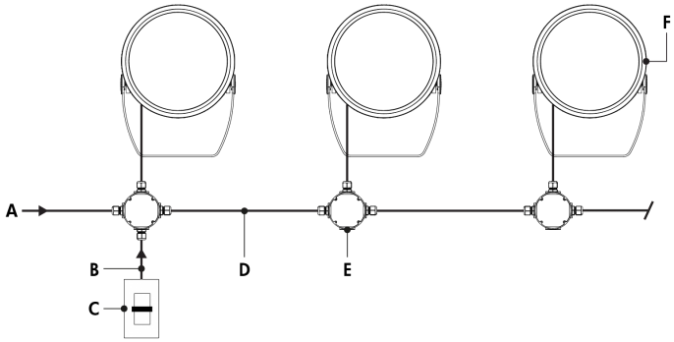
Lumentalk (LT) - wiring detail - CE



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 - Terminal connector (by others)
H - Junction box (by others)

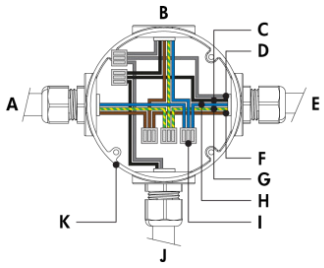
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third 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 colours is 1 minute). Consult factory for applications that require additional capabilities.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

1-10V dimming (DIM)



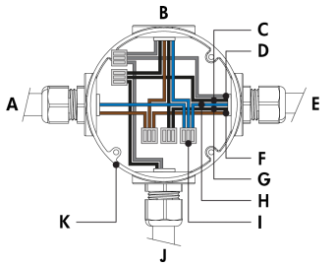
A - Power input (100-277V AC, wiring by others)
B - Data wiring (by others)
C - Dimmer (by others)
D - Power and data wiring (by others)
E - Junction box (by others)
F - Lumenbeam LBX

1-10V dimming (DIM) - wiring detail - CE



A - Power input or from previous fixture
B - To fixture
C - 1-10 V +
D - 1-10 V -
E - To next fixture
F - Line
G - Ground
H - Neutral
I - Terminal connector (by others)
J - From dimmer (by others)
K - Junction box (by others)

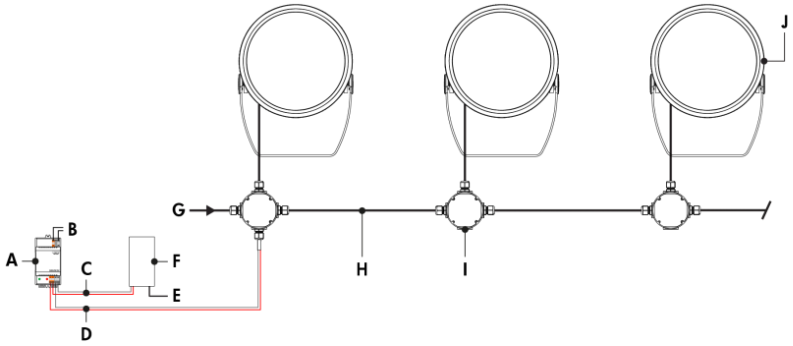
1-10V dimming (DIM) - wiring detail - CE Class II



A - Power input or from previous fixture
B - To fixture
C - 1-10 V + (black 2)
D - 1-10 V -
E - To next fixture
F - Line
G - Signal common (black 1)
H - Neutral
I - Terminal connector (by others)
J - From dimmer (by others)
K - Junction box (by others)

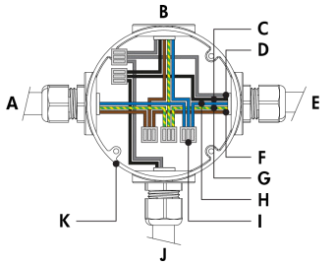
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 1-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

DALI dimming (DALI)



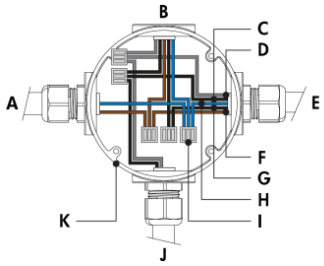
A - DALI bus power supply (by others)
B - Power input for DALI bus power supply (wiring by others)
C - Data output to DALI controller (wiring by others)
D - Data output to fixture (wiring by others)
E - Power input for DALI controller (if required, wiring by others)
F - DALI controller (by others)
G - Power input (100-277V AC, wiring by others)
H - Power and data wiring (by others)
I - Junction box (by others)
J - Lumenbeam LBX

DALI dimming (DALI) - wiring detail - CE



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 - Terminal connector (by others)
J - From DALI controller (by others)
K - Junction box (by others)

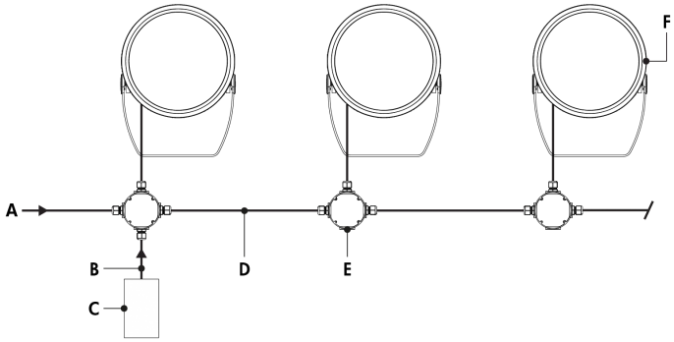
DALI dimming (DALI) - wiring detail - CE Class II



A - Power input or from previous fixture
B - To fixture
C - DA + (black 2)
D - DA -
E - To next fixture
F - Line
G - Signal common (black 1)
H - Neutral
I - Terminal connector (by others)
J - From DALI controller (by others)
K - Junction box (by others)

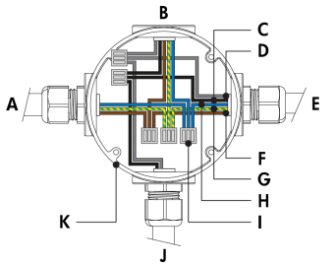
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- 1% minimum dimming value.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

Lutron® EcoSystem® Enabled dimming (ES)



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

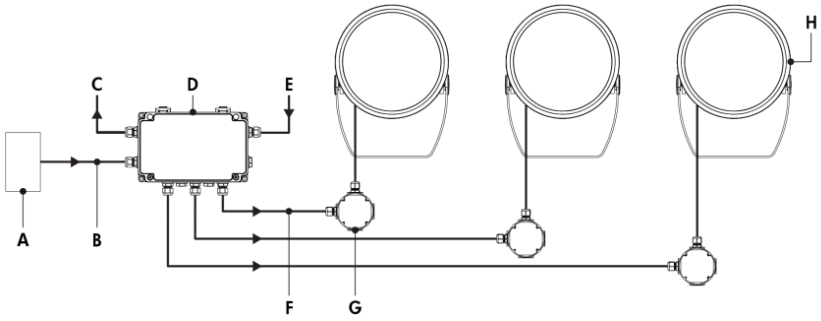
Lutron® EcoSystem® Enabled dimming (ES) - wiring detail - CE



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 - Terminal connector (by others)
J - From Lutron® EcoSystem® controller (by others)
K - Junction box (by others)

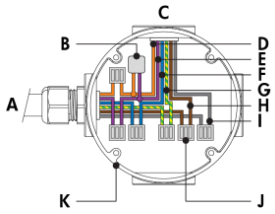
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Each Lutron® EcoSystem® enabled fixture has its own address; for the example shown, there are a total of 3 EcoSystem® addresses.
- 1% minimum dimming value.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

Star Layout (DMX/RDM)



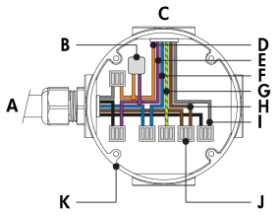
A - DMX/RDM controller (order separately from Lumenpulse, or by others)
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-ST
E - Power input (100-277V AC, wiring by others)
F - Power and data output to fixture (wiring by others)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

Star Layout (DMX/RDM) - wiring detail - CE



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

Star Layout (DMX/RDM) - wiring detail - CE Class II



A - From CBX
B - Lumenterminator
C - To fixture
D - Data -
E - Data +
F - Neutral
G - Ground (do not connect)
H - Line
I - Signal common
J - Terminal connector (by others)
K - Junction box (by others)

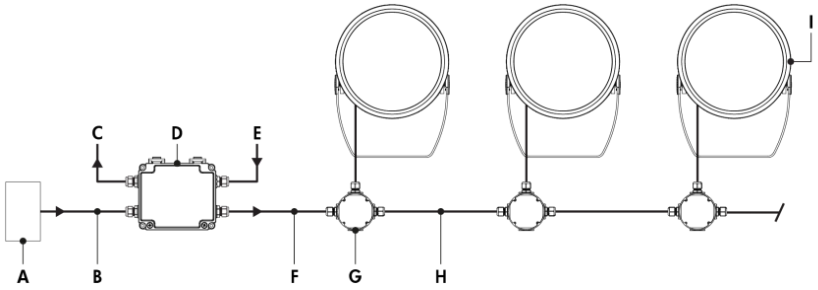
Maximum fixture count per run

Configuration/Voltage	120V	208V	240V	277V
LBX RO	8	12	14	16
LBX HO	5	9	10	11

Based on 16A maximum, 1,5 mm^2 cable, fixtures spaced 3 m on centre, first fixture 15 m from CBX.

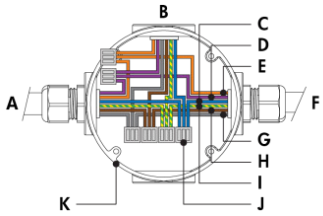
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled 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.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

Daisy Chain Layout (DMX/RDM)



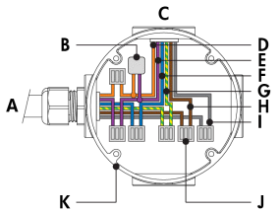
A - DMX/RDM controller (order separately from Lumenpulse, or by others)
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (100-277V AC, wiring by others)
F - Power and data output to fixture (wiring by others)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

Daisy Chain Layout (DMX/RDM) - wiring detail (first or middle of run) - CE



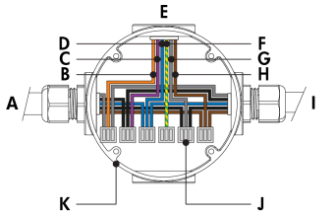
A - From CBX or previous fixture
B - To fixture
C - Neutral
D - Data +
E - Data -
F - To next fixture
G - Signal common
H - Line
I - Ground
J - Terminal connector (by others)
K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - wiring detail (end of run) - CE



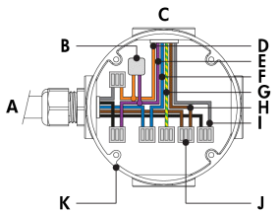
A - From CBX or previous fixture
B - Lumenterminator
C - To fixture
D - Data -
E - Data +
F - Neutral
G - Ground
H - Line
I - Signal common
J - Terminal connector (by others)
K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - wiring detail (first or middle of run) - CE Class II



A - From CBX or previous fixture
B - Data -
C - Data +
D - Neutral
E - To fixture
F - Ground (do not connect)
G - Signal common
H - Line
I - To next fixture
J - Terminal connector (by others)
K - Junction box (by others)

Daisy Chain Layout (DMX/RDM) - wiring detail (end of run) - CE Class II



A - From CBX
B - Lumenterminator
C - To fixture
D - Data -
E - Data +
F - Neutral
G - Ground (do not connect)
H - Line
I - Signal common
J - Terminal connector (by others)
K - Junction box (by others)

Maximum fixture count per run

Configuration/Voltage	**120V**	**208V**	**240V**	**277V**
LBX RO	8	12	14	16
LBX HO	5	9	10	11

Based on 16A maximum, 1,5 mm^2 cable, fixtures spaced 3 m on centre, first fixture 15 m from CBX.

- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- 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 0.9 m 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.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

How to order

Housing	Voltage	Colour and Colour Temperature (1)	Optic1	Optic2	Optic3	Optical Option (6) (8)	Finish	Control	Options
LBX RO Lumenbeam™ XLarge, Regular Output, 140W **LBX HO** Lumenbeam™ XLarge, High Output, 205W	**100** 100 volts **120** 120 volts **208** 208 volts **220** 220 volts **240** 240 volts **277** 277 volts	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **57K** 5700K **RD** Red (2) **GR** Green (2) **BL** Blue (2)	**XN** Extra Narrow 4° (3) **VN** Very Narrow 6° (3) **NS** Narrow Spot 10° (3) **NF** Narrow Flood 20° (3) **M** Medium 30° (3) **FL** Flood 40° (3) **WFL** Wide Flood 60° (3) (4) **NAS** Narrow Asymmetric (3) **WW** Asymmetric Wallwash (3) (5)	**XN** Extra Narrow 4° (3) **VN** Very Narrow 6° (3) **NS** Narrow Spot 10° (3) **NF** Narrow Flood 20° (3) **M** Medium 30° (3) **FL** Flood 40° (3) **WFL** Wide Flood 60° (3) (4) **NAS** Narrow Asymmetric (3) **WW** Asymmetric Wallwash (3) (5)	**XN** Extra Narrow 4° (3) **VN** Very Narrow 6° (3) **NS** Narrow Spot 10° (3) **NF** Narrow Flood 20° (3) **M** Medium 30° (3) **FL** Flood 40° (3) **WFL** Wide Flood 60° (3) (4) **NAS** Narrow Asymmetric (3) **WW** Asymmetric Wallwash (3)	**LSLH** Linear spread lens horizontal distribution (7) **LSLV** Linear spread lens vertical distribution (7)	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth white **BKTX** Textured black **BRZTX** Textured bronze non-metallic **GRATX** Textured medium grey **GRNTX** Textured green **WHTX** Textured white **CC** Custom colour and finish (please specify RAL colour) (9) (10) (11)	**NO** On/Off control **LT** Lumentalk (12) (13) **DIM** 1-10V dimming **DALI** DALI dimming **ES** Lutron® EcoSystem® Enabled dimming (13) **DMX/RDM** DMX/RDM enabled (14) (15)	**SY** Short Yoke **3GV** 3G ANSI C136.31-2010 Vibration Rating for bridge applications **CRC** Corrosion-resistant coating for hostile environments (16) (17)

Notes:

1. Consult factory for availability of static Royal Blue, Amber, 6500K and 90+ CRI.
2. Static colours made to order 8-10 weeks.
3. Factory installed, not interchangeable on site.
4. Cannot be combined with other optics.
5. Cannot be combined with other optics for Optic1 and Optic2 when a static white colour temperature is selected.
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) colours with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.
10. Setup charges apply for RAL colours. Consult factory for details.
11. Longer lead times can be expected for custom RAL colour finishes.
12. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLT) 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. Maximum of 1 m cable length for daisy chain DMX applications with CBX-DS.
16. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
17. Setup charges apply. Consult factory for details.

How to order

Certification	Cable Length (15) (19)	Cable Colour
UL UL compliant (18) **CE** CE compliant **CEII** CE compliant Class II double insulated	**1M** 1 m (15) (19) **5M** 5 m **10M** 10 m **15M** 15 m **20M** 20 m **30M** 30 m	**BK** Black **WH** White (20)

Notes:

15. Maximum of 1 m cable length for daisy chain DMX applications with CBX-DS.
18. Consult North American specification sheets and installation instructions for UL wiring information.
19. 1 m cable length is standard unless otherwise specified.
20. Not available with CE or CEII certification options.