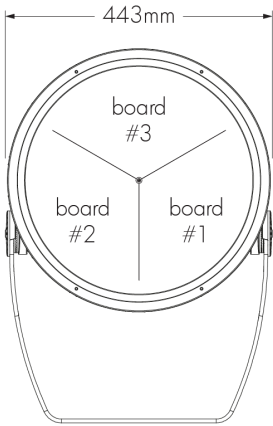


Project Name

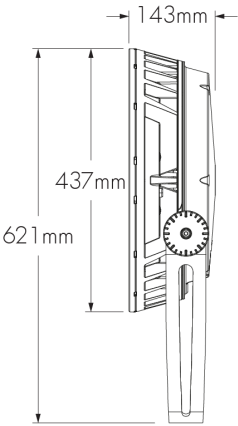
Qty

Type

Catalog / Part Number



Front view



Side view

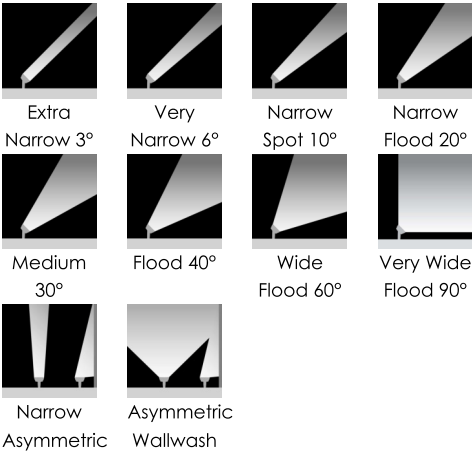
Photometric Summary

Symmetric		
	Delivered output (lm)	Intensity (peak cd)
XN (3°)	18,088	1,905,000
VN (6°)	20,085	935,600
NS (10°)	19,256	567,230
NF (20°)	23,345	239,784
M (30°)	21,933	89,383
FL (40°)	21,118	45,698
WFL (60°)	19,736	17,740

Asymmetric		
NAS	12,437	191,810
WW	19,371	47,099

Based on HO 4000K configuration.
Photometric performance is measured externally in compliance with IESNA LM-79-24.
Refer to Photometric Guide on Lumenpulse website for information on other color temperatures.

Optic



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	22K: 2200K, 27K: 2700K, 30K: 3000K, 35K: 3500K, 40K: 4000K, 57K: 5700K, RD: Red, GR: Green, BL: Blue
Optics (Nominal Distribution)	XN: XN (3°), 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	SY: Short Yoke, SRY: Short Rotational Yoke, RY: Rotational Yoke, 3GV: 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications, CRC: Corrosion-Resistant Coating for Hostile Environments
Cable Colour	BK: Black, WH: White
Power Consumption	140 W (RO version), 205 W (HO version)
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output	18,209 lm (4000K, NF 20°, RO version) 23,345 lm (4000K, NF 20°, HO version)
Maximum Delivered Intensity	1,485,900 cd at nadir (4000K, XN 3°, RO version) 1,905,000 cd at nadir (4000K, XN 3°, HO version)
Illuminance at Distance	Minimum 1 lx at 1224 m (4000K, XN 3°, RO version) Minimum 1 lx at 1386 m (4000K, XN 3°, HO version)
Colour Consistency	2 SDCM
Colour Rendering	Minimum CRI 80

Colour and Colour Temperature

2200K

2700K

3000K

3500K

4000K

5700K

Red

Green

Blue

Control

ON/OFF 0-10V DALI DMX/RDM



Ratings

IP66 IK09

Certifications

Lumen Maintenance	L70 B50 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 3°, VN 6°, NAS optics only)
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Physical

Housing Material	Low copper content high pressure die-cast aluminium
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 m², Side = 0.04 m²

Electrical and Control

Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	3C: 3 x 1,5 mm² (NO, LT control) 5C: 5 x 1,5 mm² (DIM, DALI, ES control) 6C: 3 x 1,5 mm²/ 3 x 0,20 mm² (DMX/RDM control)
Inrush Current (Peak)	LBX RO: 65A @230VAC LBX HO: 75A @230VAC
Control	On/Off Control, Lumentalk, 1-10V Dimming, DALI 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

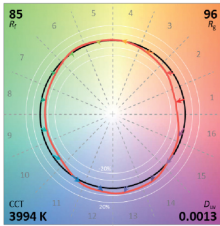
Accessories (Order Separately)

Optical Accessories	Lumenbeam LBX Snoot, Lumenbeam LBX Snoot Wide, Lumenbeam LBX Visor, Lumenbeam LBX Linear Spread Lens Adjustable, Lumenbeam LBX Wire Guard, Lumenbeam LBX Dome Lens
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration)
Control Systems	Lumenscene™ (LSC), Pharos® Lighting Control Kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

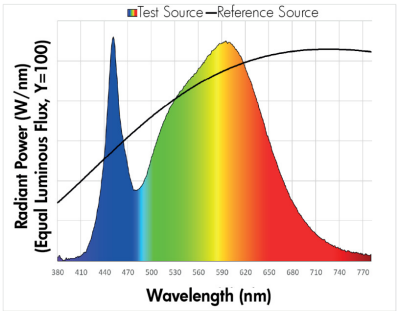
Chromaticity Data

TM-30 - 4000K

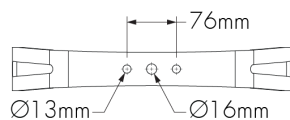
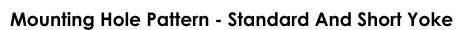
CCT	CIE		TM-30	
4000K	R _a	83	85	R _f
	R _g	14	96	R _g



Spectral Power Distribution

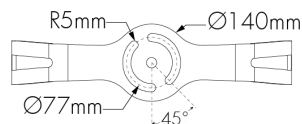


SY - Short Yoke



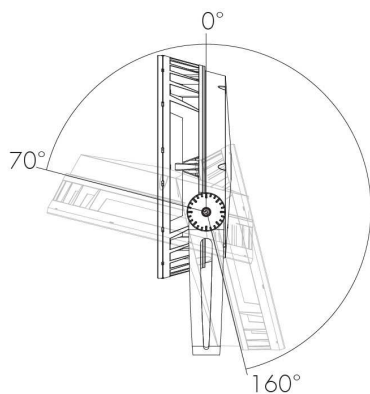
3 bolts are required for wind and vibration resistance, provided by others.

Mounting Hole Pattern - Rotational Yoke

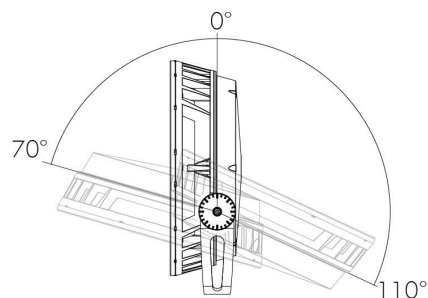


3 bolts are required for wind and vibration resistance, provided by others.

Adjustable Pivot Limits (Adjustable In 6 Degree Increments)



Standard Yoke



Short Yoke

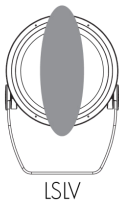
Optical Options

LSLH - Linear Spread Lens Horizontal Distribution



LSLH - Linear spread lens horizontal distribution

LSLV - Linear Spread Lens Vertical Distribution



Beam Angles

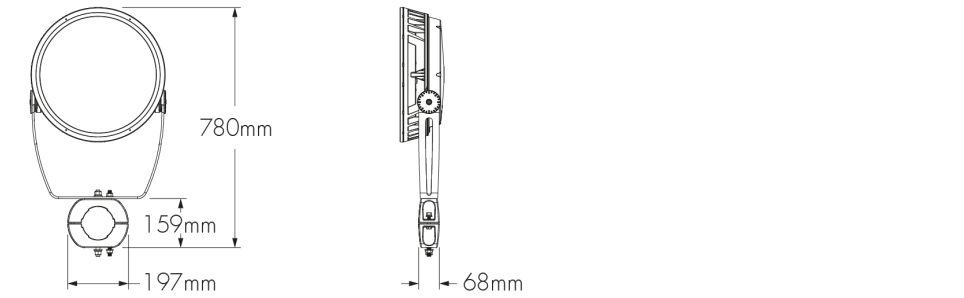
Optic installed in fixture	Beam angle with LSLH/LSLV
XN	5° x 60°
VN	8° x 50°
NS	9° x 56°
NF	17° x 57°
M	27° x 68°
FL	37° x 74°

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

Factory installed, not adjustable on site. Not available for WFL, VWFL, 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.



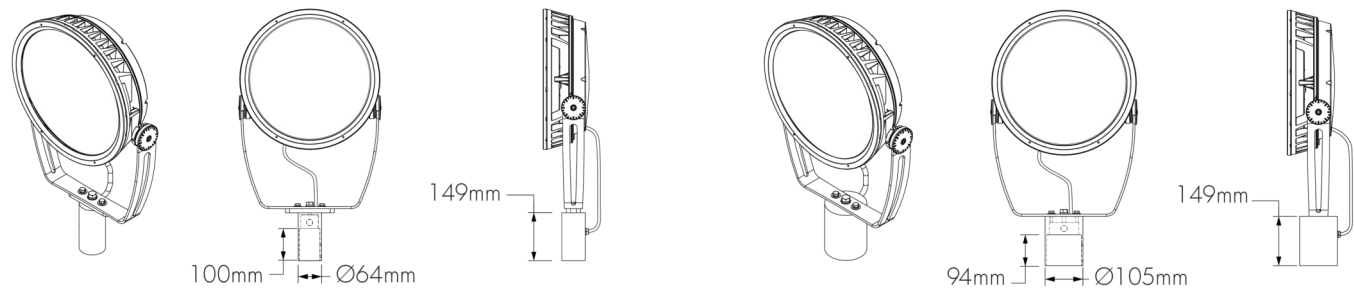
PM4-1, PM4.5-1, PM5-1 - Round pole mounting accessory - single fixture

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



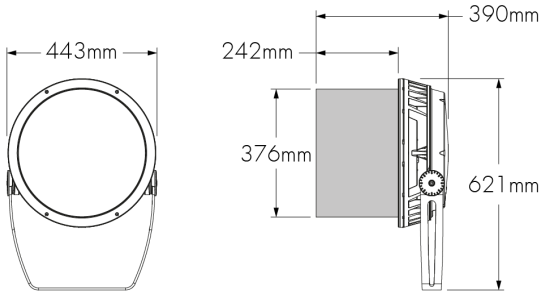
TN2 - Tenon adapter to fit on 60 mm O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.

TN4 - Tenon adapter to fit on 102 mm O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.

Optical Accessories (Order Separately)

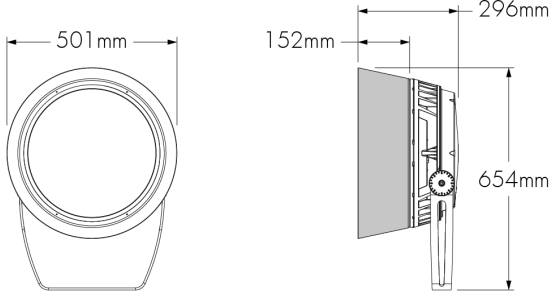
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

SN - Snoot



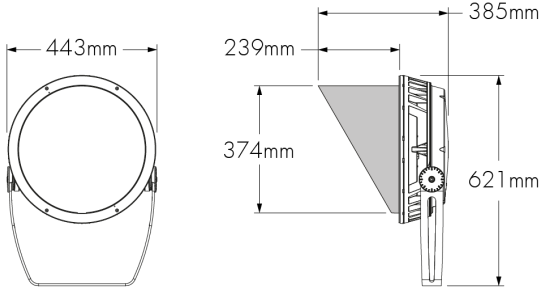
LBXSN-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

SNW - Snoot Wide



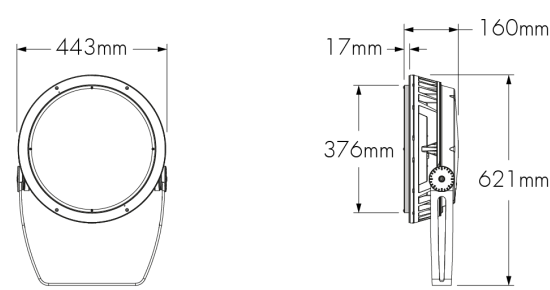
LBXSNW-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



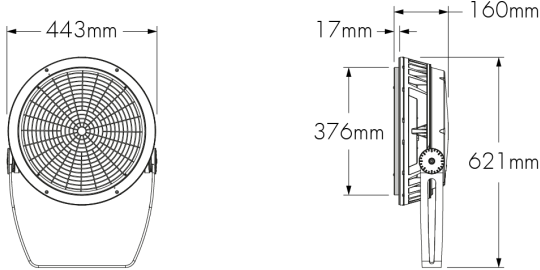
LBXVS-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

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.

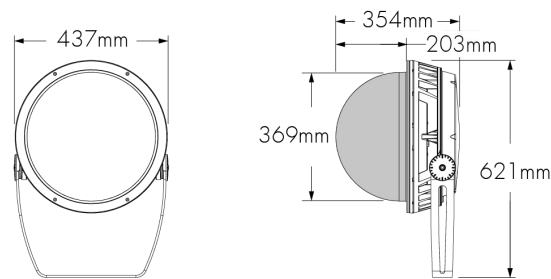
Accessory Combinations

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

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

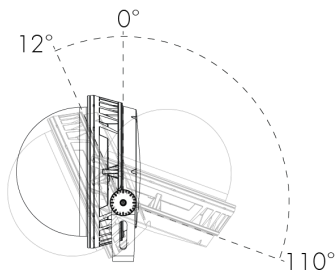
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

DM - Dome Lens

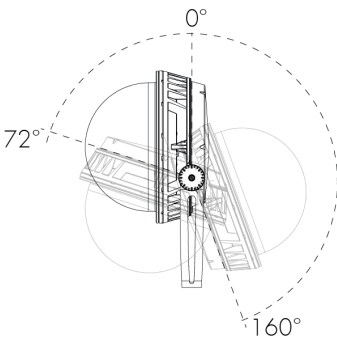


LBXDM-FINISH-OPTIONS (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

Dome - Short Yoke - Pivot limits



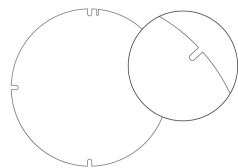
Dome - Standard Yoke - Pivot limits



Dome Lens is available with WFL Optic only. The WFL optic must be specified for the fixture.
Dome Lens cannot be combined with other optical accessories.
Dome Lens will affect beam distribution. Consult factory for application support and photometric performance.

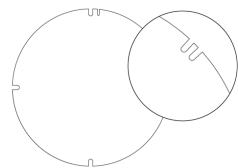
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



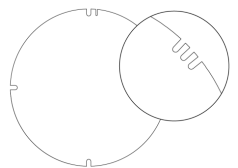
147689

Diffuser Lens 2 (2 Notches)



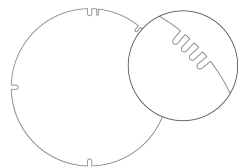
147690

Diffuser Lens 3 (3 Notches)



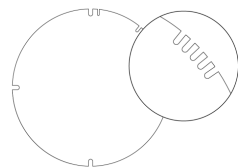
147691

Diffuser Lens 4 (4 Notches)



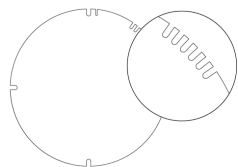
147692

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°)						
M (30°)			FL	WFL		
FL (40°)						
WFL (60°)				VWFL		
VWFL (90°)						

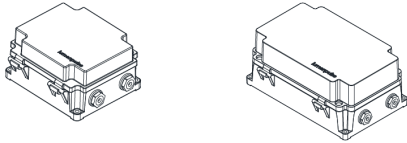
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS**: LBALK-S **LBM/LBMP**: LBALK-M **LBL/LBLP**: LBALK-L **LBG/LBGP**: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

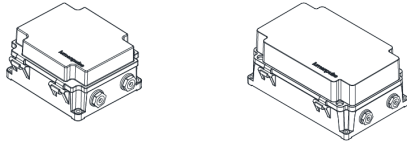
Control Boxes (Order Separately)

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.

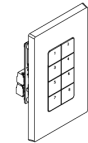
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



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.

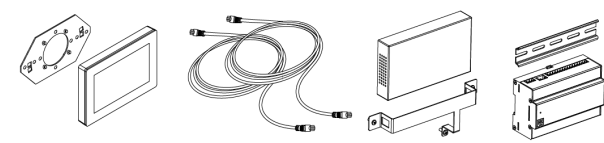
Control Systems (Order Separately)

Lumenscene



The Lumenscene, a user-friendly DMX/RDM lighting controller that includes eight preconfigured scene changes and can be programmed via RDM.

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.

EPA Guide

	LBX 	LBX with Snoot 	LBX with Visor 	LBX with Snoot Wide 	LBX with Dome Lens 
EPA front (m²)	0.179	0.179	0.179	0.278	0.179
EPA side (m²)	0.042	0.110	0.110	0.095	0.043

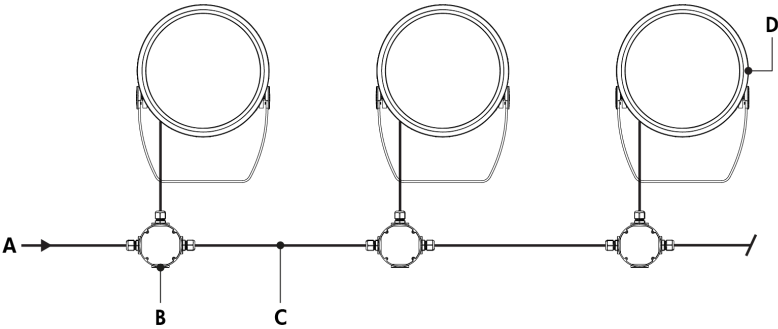
Typical Wiring Diagrams

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)

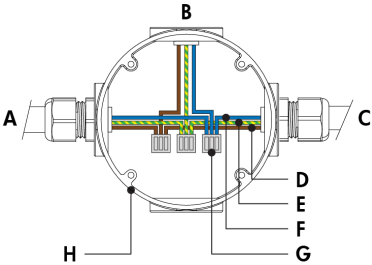
CE Class II Colour Code		USE
All other controls	DMX/RDM	
Brown	Brown	Line
Blue	Blue	Line/Neutral
Black 1	Grey	Signal common (DMX/RDM only)
Black 2	Black or Purple	1-10V / Data +
Grey	Grey or Orange	1-10V / Data -
N/A	Yellow/Green	Ground (do not connect)

On/Off Control (NO)



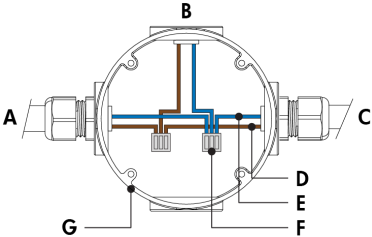
- A - Power input (100-277V AC, wiring by others)
- B - Junction box (by others)
- C - Power wiring (by others)
- D - Lumenbeam LBX

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)

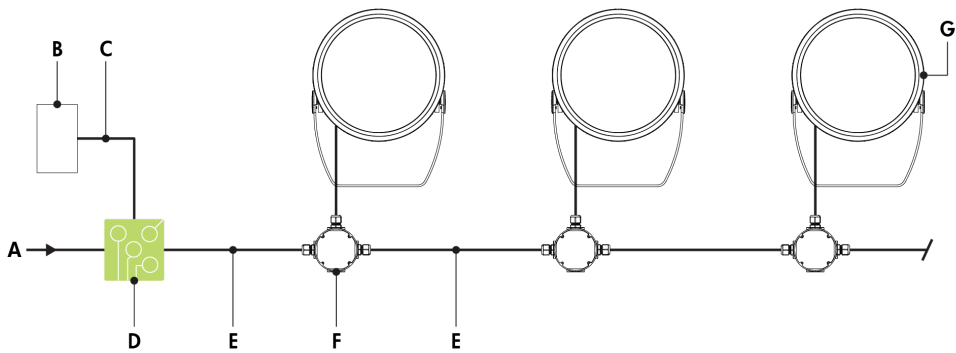
On/Off Control (NO) - Wiring Detail - CE Class II



- 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)

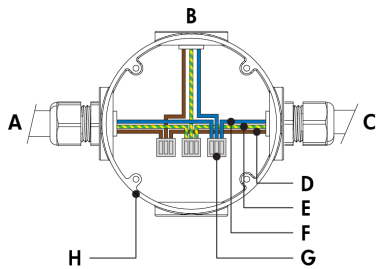
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Regular Output version: 140 watts per fixture, High Output version: 205 watts per fixture.

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

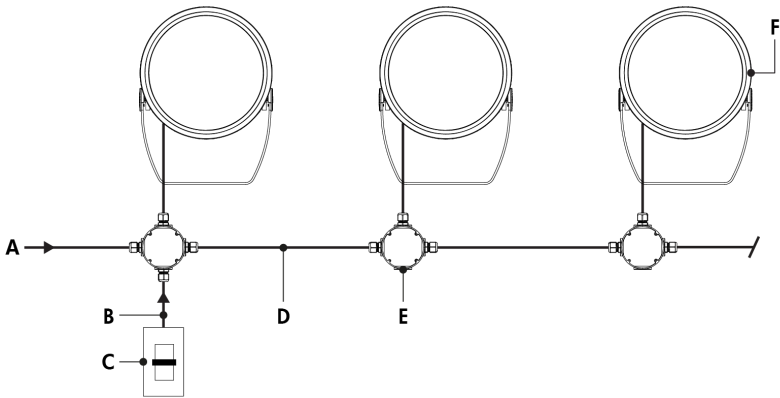
Lumentalk (LT) - Wiring Detail - CE



- 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)

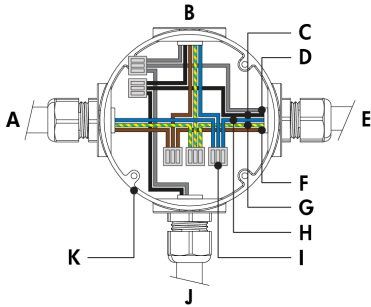
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third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



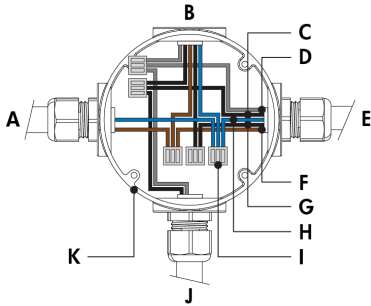
- A - Power input (100-277V AC, wiring by others)
- B - Data wiring (by others)
- C - Dimmer (by others)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - Lumenbeam LBX

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)

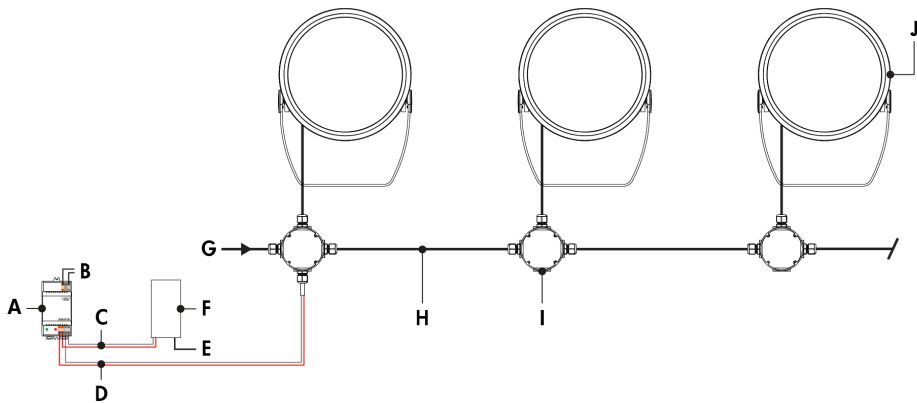
1-10V Dimming (DIM) - Wiring Detail - CE Class II



- 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)

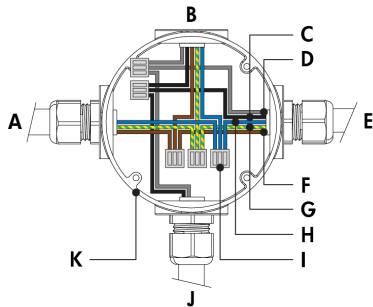
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 1-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.
- Regular Output version: 140 watts per fixture, High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

DALI Dimming (DALI)



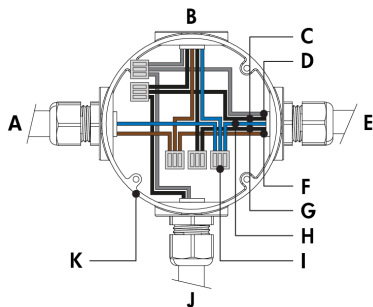
- A - DALI bus power supply (by others)
- B - Power input for DALI bus power supply (wiring by others)
- C - Data output to DALI controller (wiring by others)
- D - Data output to fixture (wiring by others)
- E - Power input for DALI controller (if required, wiring by others)
- F - DALI controller (by 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)

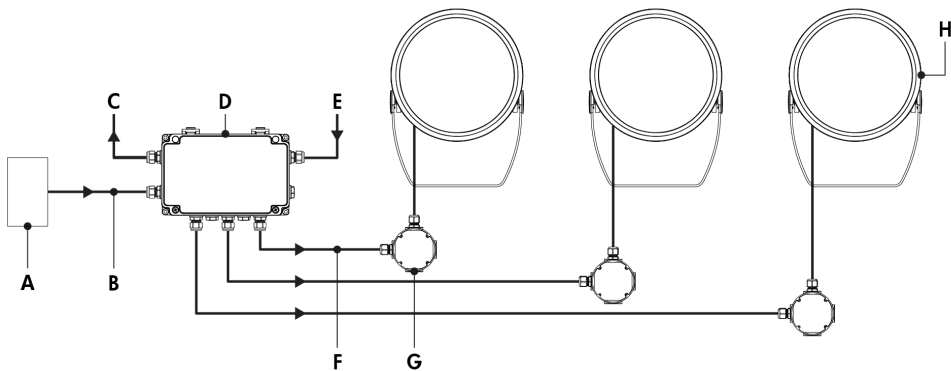
DALI Dimming (DALI) - Wiring Detail - CE Class II



- 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)

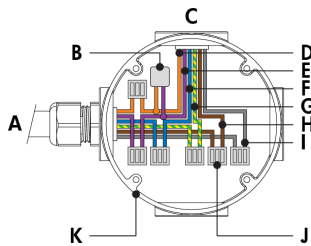
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.
- 1% minimum dimming value.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

Star Layout (DMX/RDM)



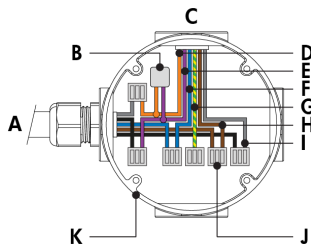
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (wiring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

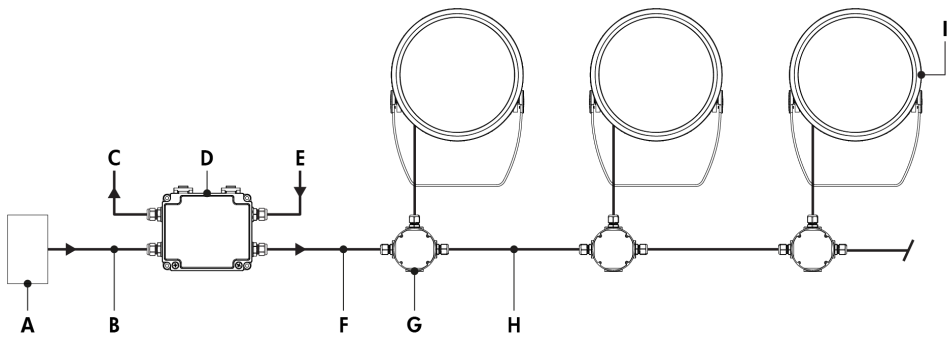
Maximum Fixture Count Per Run

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

Based on 16A maximum, 1,5 mm² cable, fixtures spaced 3 m on centre, first fixture 15 m from CBX.

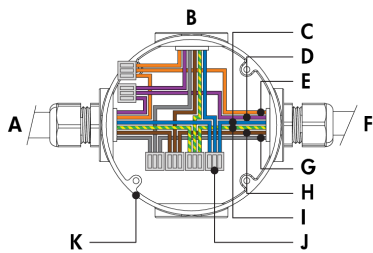
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled 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)



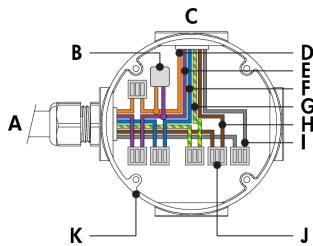
- A** - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B** - Data input (Belden 9841 or equivalent, by others)
- C** - Data output to next CBX (optional, not isolated/not boosted)
- D** - CBX-DS
- E** - Power input (100-277V AC, wiring by others)
- F** - Power and data output to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



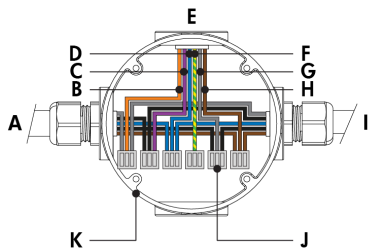
- A** - From CBX or previous fixture
- B** - To fixture
- C** - Neutral
- D** - Data +
- E** - Data -
- F** - To next fixture
- G** - Signal common
- H** - Line
- I** - Ground
- J** - Terminal connector (by others)
- K** - Junction box (by others)

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



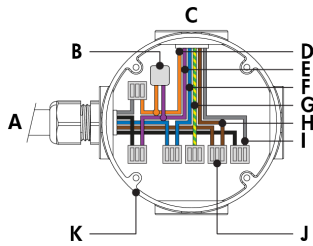
- A** - From CBX or previous fixture
- B** - Lumenterminator
- C** - To fixture
- D** - Data -
- E** - Data +
- F** - Neutral
- G** - Ground
- H** - Line
- I** - Signal common
- J** - Terminal connector (by others)
- K** - Junction box (by others)

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 mm² 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 ⁽⁸⁾ ⁽¹⁰⁾	Finish	Control	Option
LBX RO Lumenbeam™ XLarge, Regular Output, 140W LBX HO Lumenbeam™ XLarge, High Output, 205W	100 100 Volts	22K 2200K	XN Extra Narrow 3° ⁽³⁾	XN Extra Narrow 3° ⁽³⁾	XN Extra Narrow 3° ⁽³⁾	LSLH Linear Spread Lens Horizontal Distribution ⁽⁹⁾ LSLV Linear Spread Lens Vertical Distribution ⁽⁹⁾	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 & Finish ⁽¹¹⁾ ⁽¹²⁾ ⁽¹³⁾	NO On/Off Control LT Lumentalk ⁽¹⁴⁾ ⁽¹⁵⁾ DIM 1-10V Dimming DALI DALI Dimming DMX/RDM DMX/RDM Enabled ⁽¹⁶⁾ ⁽¹⁷⁾	SY Short Yoke SRY Short Rotational Yoke ⁽¹⁸⁾ RY Rotational Yoke ⁽¹⁸⁾ 3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications CRC Corrosion-Resistant Coating ⁽¹⁹⁾ ⁽²⁰⁾
	120 120 Volts	27K 2700K	VN Very Narrow 6° ⁽³⁾	VN Very Narrow 6° ⁽³⁾	VN Very Narrow 6° ⁽³⁾				
	208 208 Volts	30K 3000K	NS Narrow Spot 10° ⁽³⁾	NS Narrow Spot 10° ⁽³⁾	NS Narrow Spot 10° ⁽³⁾				
	220 220 Volts	35K 3500K	NF Narrow Flood 20° ⁽³⁾	NF Narrow Flood 20° ⁽³⁾	NF Narrow Flood 20° ⁽³⁾				
	240 240 Volts	40K 4000K	M Medium 30° ⁽³⁾	M Medium 30° ⁽³⁾	M Medium 30° ⁽³⁾				
	277 277 Volts	57K 5700K	FL Flood 40° ⁽³⁾	FL Flood 40° ⁽³⁾	FL Flood 40° ⁽³⁾				
		RD Red ⁽²⁾	WFL Wide Flood 60° ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾	WFL Wide Flood 60° ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾	WFL Wide Flood 60° ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾				
		GR Green ⁽²⁾	VWFL Very Wide Flood 90° ⁽³⁾ ⁽⁴⁾ ⁽⁶⁾	VWFL Very Wide Flood 90° ⁽³⁾ ⁽⁴⁾ ⁽⁶⁾	VWFL Very Wide Flood 90° ⁽³⁾ ⁽⁴⁾ ⁽⁶⁾				
		BL Blue ⁽²⁾	NAS Narrow Asymmetric ⁽³⁾	NAS Narrow Asymmetric ⁽³⁾	NAS Narrow Asymmetric ⁽³⁾				
			WW Asymmetric Wallwash ⁽³⁾ ⁽⁷⁾	WW Asymmetric Wallwash ⁽³⁾ ⁽⁷⁾	WW Asymmetric Wallwash ⁽³⁾				

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. A dome lens accessory is available, order separately. For compatibility, a WFL optic must be specified for the fixture.

6. Consult factory for photometric performance.

7. Cannot be combined with other optics for Optic1 and Optic2 when a static white colour temperature is selected.

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

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

10. Not available with WFL, VWFL, NAS and WW optics.

11. 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.
12. Setup charges apply for RAL colours. Consult factory for details.

13. Longer lead times can be expected for custom RAL colour finishes.

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

15. Not available with Class II double insulated option.

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

17. Maximum of 1 m cable length for daisy chain DMX applications with CBX-DS.

18. Consult factory for applications with 3GV requirements.

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

20. Setup charges apply. Consult factory for details.

How to Order

Certification	Cable Length (17) (22)	Cable Colour
UL UL Compliant (21)	1M 1 m (17) (22)	BK Black
CE CE Compliant	5M 5 m	WH White (23)
CEII CE Compliant Class II Double Insulated	10M 10 m	
	15M 15 m	
	20M 20 m	
	30M 30 m	

- Notes:**
- 17. Maximum of 1 m cable length for daisy chain DMX applications with CBX-DS.
 - 21. Consult North American specification sheets and installation instructions for UL wiring information.
 - 22. 1 m cable length is standard unless otherwise specified.
 - 23. Not available with CE or CEII certification options.