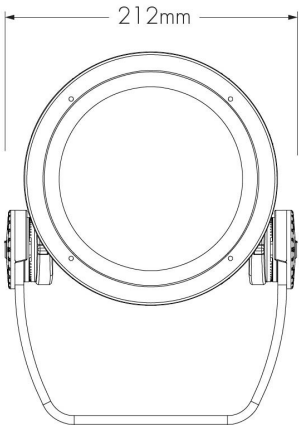


Project Name

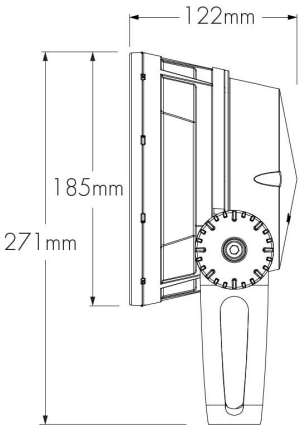
Qty

Type

Catalog / Part Number



Front view



Side view

Photometric summary

Symmetric

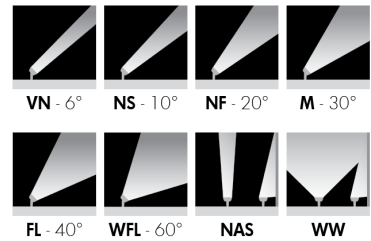
	Delivered output (lm)	Intensity (peak cd)
VN (6°)	1,723	82,678
NS (10°)	1,648	58,904
NF (20°)	1,516	12,234
M (30°)	1,457	6,738
FL (40°)	1,391	3,762
WFL (60°)	1,227	959

Asymmetric

NAS	1,549	24,761 (@2.5°)
WW	1,386	6,316 (@5°)

Based on DVWH full output, DMX/RDM configuration.
Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



Colours and Colour Temperatures



Controls

DIM/DTW DMX/RDM1 DMX/RDM
DALI8

Ratings

IP66 IK09

Description

The Lumenbeam Medium Dynamic White is an IP66-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details with a special feature that enables the selection of any colour temperature from 2200K to 3000K or from 2700K to 6500K. This dynamic 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, as well as 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	Dynamic warm white (2200K to 3000K), Dynamic white (2700K to 6500K)
Optics (nominal distribution)	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	28 W
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	1723 lm (DWH full output, VN 6°, DMX/RDM)
Maximum Delivered Intensity	82,678 cd at nadir (DWH full output, VN 6°, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 87.8 m (DWH full output, VN 6°, DMX/RDM)
Lumen Maintenance	L70 B50 120,000 hrs (Ta 25 °C), L80 B10 100,000 hrs (Ta 25 °C)

Physical

Housing Material	Low copper content high pressure die-cast aluminium
Yoke Material	Heavy aluminium (standard yoke included)
Lens Material	Clear tempered glass

Certifications



Hardware Material	Stainless steel
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	3.04 kg
EPA	Front = 0.04 sq m, Side = 0.02 sq m

Electrical and control

Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	5C: 5 x 1,5 mm ² (DIM/DTW, DALI8 control), 6C: 3 x 1,5 mm ² / 3 x 0,20 mm ² (DMX/RDM1, DMX/RDM control)
Inrush Current (peak)	21A @230VAC
Control	Dim to Warm via 1-10V (2700K to 2200K), Dim to Warm via single-channel DMX/RDM (2700K to 2200K), DMX/RDM enabled 3-channel colour temperature control, DALI-2 dimming Type 8, Lumentalk system is enabled with LDB accessory - see typical wiring diagrams for details
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Dynamic Warm Colour Temperature Mixing	18 LEDs (6x 2200K, 6x 2700K, 6x 3000K)
Dynamic White Colour Temperature Mixing	18 LEDs (6x 2700K, 6x 4000K, 6x 6500K)

Environmental

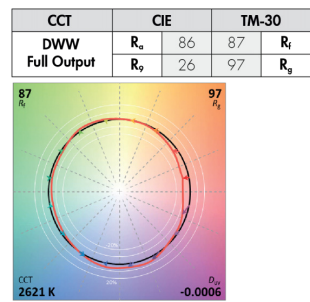
Storage Temperature	-40 °C to 70 °C (device must reach start-up temperature value before operating)
Start-up Temperature	-25 °C to 50 °C
Operating Temperature	-40 °C to 50 °C
Ingress Protection Rating	IP66
Impact Resistance Rating	IK09

Accessories (order separately)

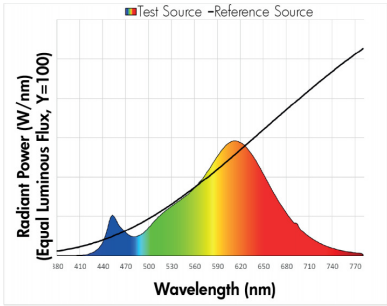
Optical Accessories	Lumenbeam Medium Snoot, Lumenbeam Medium Snoot wide, Lumenbeam Medium Visor, Lumenbeam Medium Linear spread lens adjustable, Lumenbeam Medium Wire guard
Control Boxes	DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration), Lumentalk Data Bridge
Control Systems	Pharos® kit
Diagnostic and Addressing Tools	LumenID, LumentalkID

Chromaticity Data

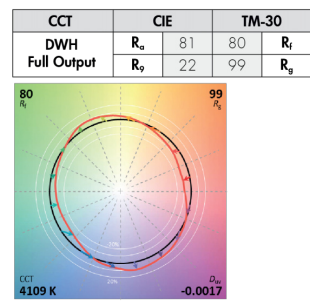
TM-30 - DWW



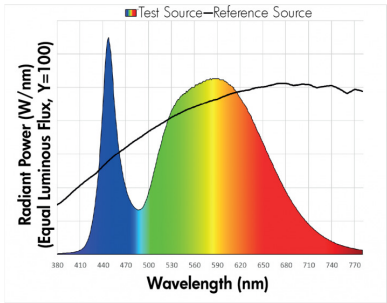
DWW Spectral Power Distribution



TM-30 - DWH

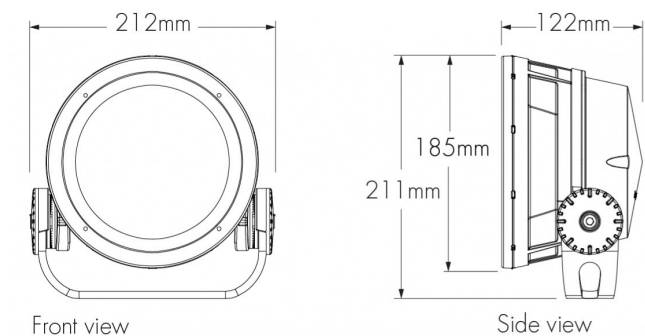


DWH Spectral Power Distribution



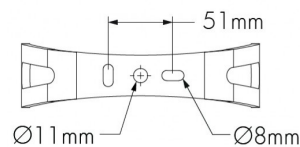
Mounting options

SY - Short yoke

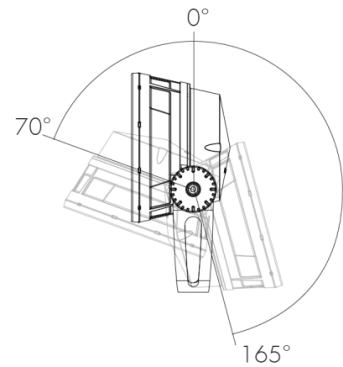


Mounting details

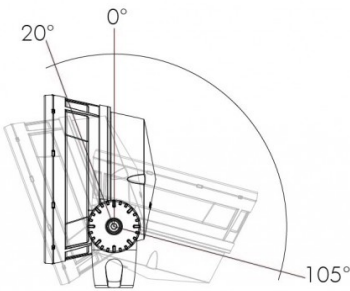
Mounting hole pattern - standard and short yoke



Adjustable pivot limits (adjustable in 6 degree increments)



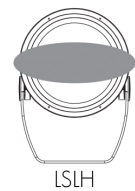
Standard yoke



Short yoke

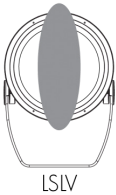
Optical options

LSLH - Linear spread lens horizontal distribution



LSLH - Linear spread lens horizontal distribution

LSLV - Linear spread lens vertical distribution



Beam angles

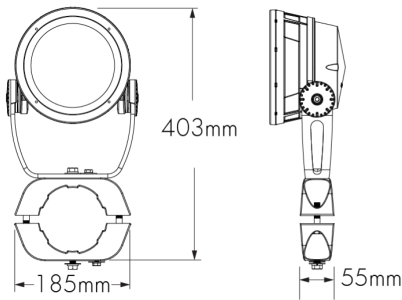
Optic installed in fixture	Beam angle with LSLH/LSLV
VN	7° x 60°
NS	13° x 66°
NF	16° x 62°
M	23° x 65°
FL	33° x 70°

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

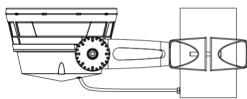
Factory installed, not adjustable on site. Not available for WFL, NAS and WW optics.
See 'Optical Accessories' section for field adjustable spread lens (LSLA).

Mounting accessories (order separately)

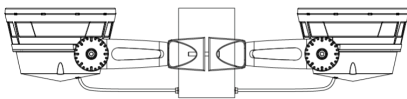
Round pole mounting accessory



PM4 model shown.
Consult factory for square pole section.



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

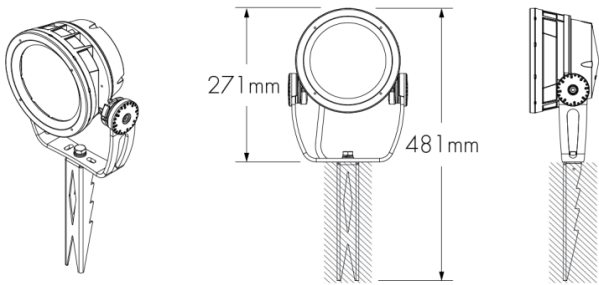


PM4-2, PM4.5-2, PM5-2 - Round pole mounting accessory - twin fixtures
*One bracket assembly is supplied per 2 fixtures unless otherwise specified.

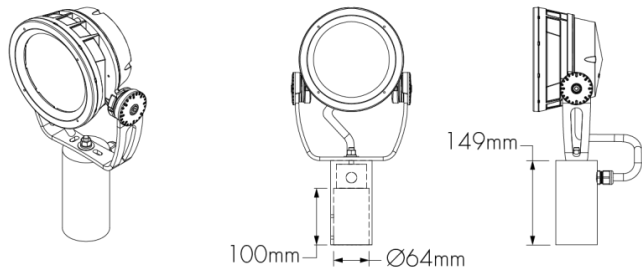
	PM4	PM4.5	PM5
For pole Ø	101.6mm ± 1.6mm	114.3mm ± 1.6mm	127mm ± 1.6mm

Consult factory for other pole diameters.

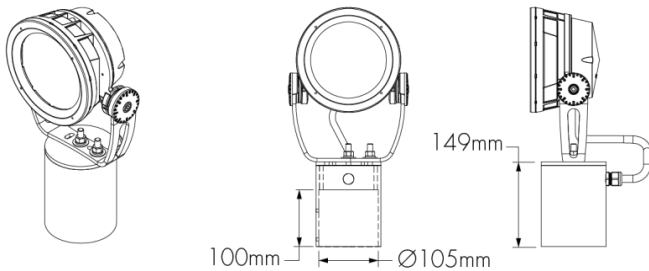
SK - Stake mounting



Tenon adapter



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

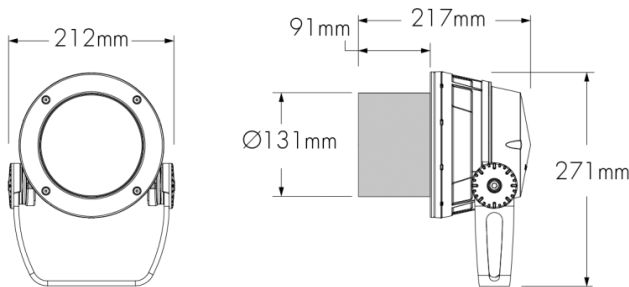


TN4 - Tenon adapter to fit on 102 mm O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.

Optical accessories (order separately)

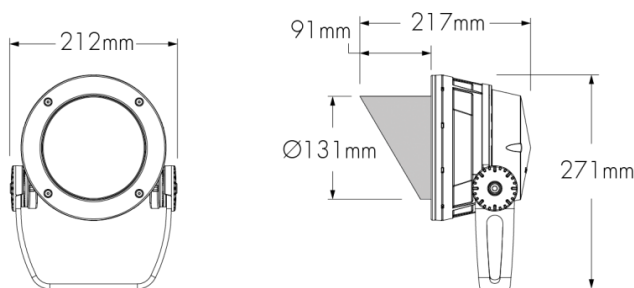
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

SN - Snoot



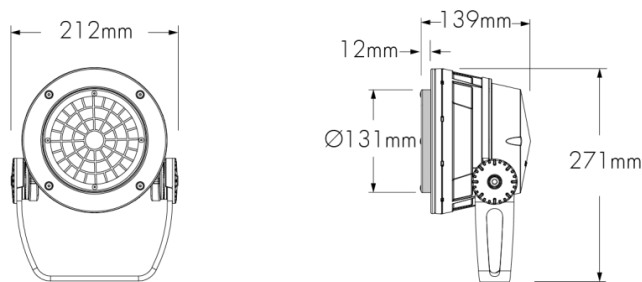
LBMSN-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



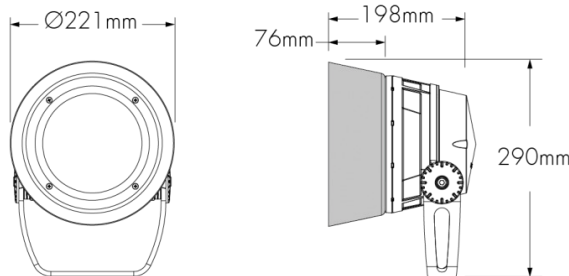
LBMVS-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

WG - Wire guard



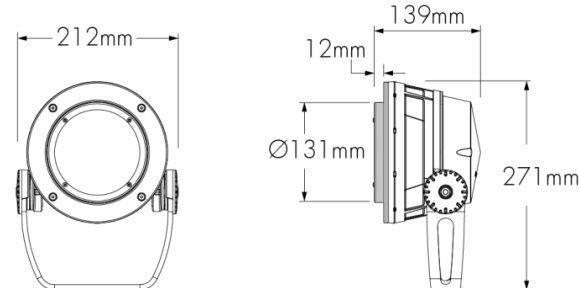
LBMWG-FINISH-OPTIONS (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

SNW - Snoot wide



LBMSNW-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



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

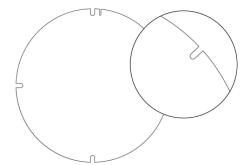
Accessory combinations

+	Snoot	Snoot wide	Visor
Linear spread lens adjustable	LBMSNLSLA	N/A*	LBMVLSLA
Wire guard	LBMSNWG	N/A	LBMVSWG

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

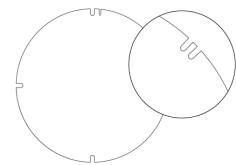
Diffuser lenses

Diffuser lens 1 (1 notch)



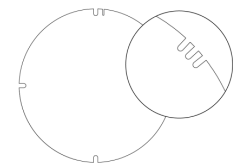
147671

Diffuser lens 2 (2 notches)



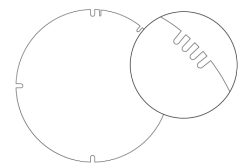
147672

Diffuser lens 3 (3 notches)



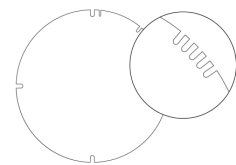
147673

Diffuser lens 4 (4 notches)



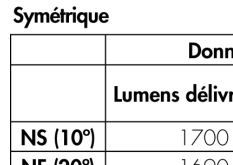
147674

Diffuser lens 5 (5 notches)



147675

Diffuser lens 6 (6 notches)



147676

Symétrique

	Données préliminaires	
	Lumens délivrés (lm)	Intensité lumineuse (cd)
NS (10°)	1700	23 954
NF (20°)	1690	12 601
M (30°)	1711	7307
FL (40°)	1711	4155
WFL (60°)	1705	1616

Basé sur la configuration MRGBV40K à 100%, DMX/RDM.
La performance photométrique est mesurée conformément à IESNA LM-79-08.

Final distribution using diffuser lenses

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

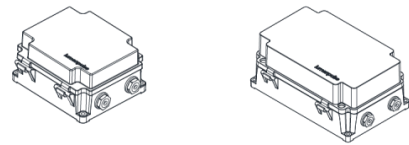
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS**: LBALK-S **LBM/LBMP**: LBALK-M **LBL/LBLP**: LBALK-L **LBG/LBGP**: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

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

Please specify the exterior **FINISH** from the list of finishes in the fixture order code.
Refer to the Diffuser Lens Installation Instructions on the Lumenpulse website for information on installing the diffuser lenses.

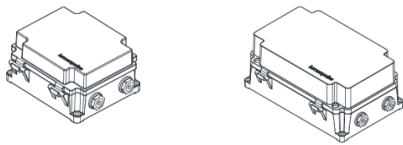
Control boxes (order separately)

CBX-DMX/RDM - DMX/RDM enabled (daisy chain or star configuration)



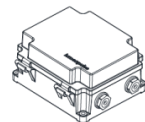
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

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



Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

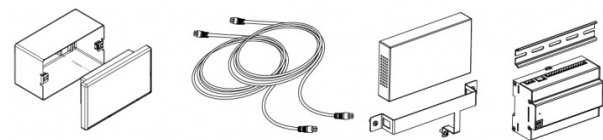
LDB - Lumentalk Data Bridge



Lumentalk Data Bridge, 1-10V or DMX output. Consult LDB specification sheet 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

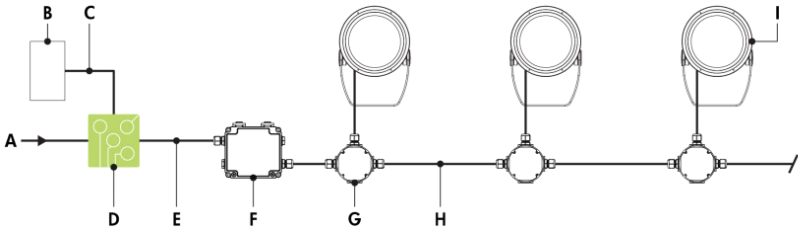
	LBM 	LBM with snoot 	LBM with visor 	LBM with snoot wide 
EPA front (m²)	0.041	0.041	0.041	0.054
EPA side (m²)	0.017	0.029	0.029	0.028

Typical wiring diagrams

Wiring colour code

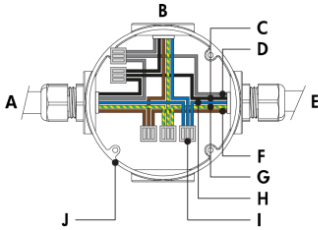
CE Colour Code	USE	CE Class II Colour Code		USE
Yellow/Green	Ground	All other controls	DMX/RDM	
Brown	Line			
Blue	Line/Neutral	Brown	Brown	Line
Black or Purple	1-10V / Data +	Blue	Blue	Line/Neutral
Grey or Orange	1-10V / Data -	Black 1	Grey	Signal common (DMX/RDM only)
Grey	Signal common (DMX/RDM only)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

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 - Lumentalk Data Bridge (LDB-DMX)
- G - Junction box (by others)
- H - Power and data wiring (by others)
- I - Lumenbeam Medium

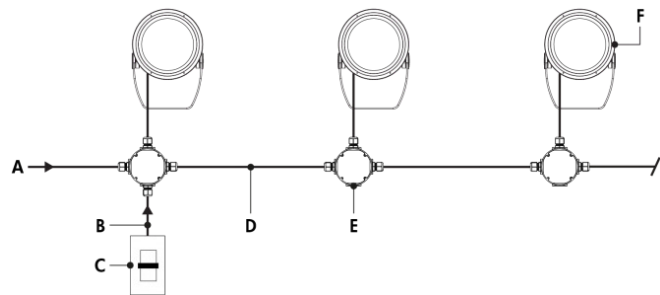
Lumentalk (LT) - wiring detail using LDB



- A - From Lumentalk Data Bridge (control over power line via Lumentalk system) or from previous fixture
- B - To fixture
- C - 1-10 V + / Data +
- D - 1-10 V - / Data -
- E - To next fixture
- F - Line
- G - Ground
- H - Line/Neutral
- I - Terminal connector (by others)
- J - Junction box (by others)

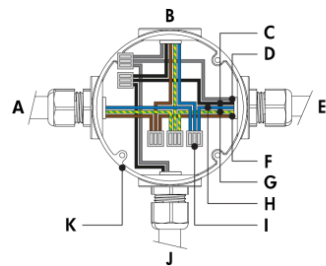
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for Lumentalk system, see LDB installation instructions for details. Fixtures must be specified as DMX/RDM and the Lumentalk Data Bridge must be specified as DMX. 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
- 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.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- 28 watts per fixture.

Dim to Warm via 1-10V (DIM/DTW*)
*Available for DWW version only, 2700K to 2200K



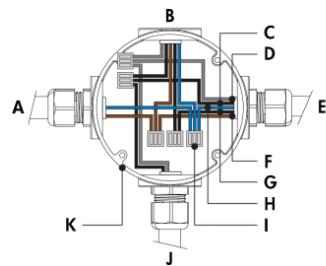
- A - Power input (100-277V AC, wiring by others)
- B - Data wiring (by others)
- C - Dimmer (by others)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - Lumenbeam Medium

Dim to Warm via 1-10V (DIM/DTW) - 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)

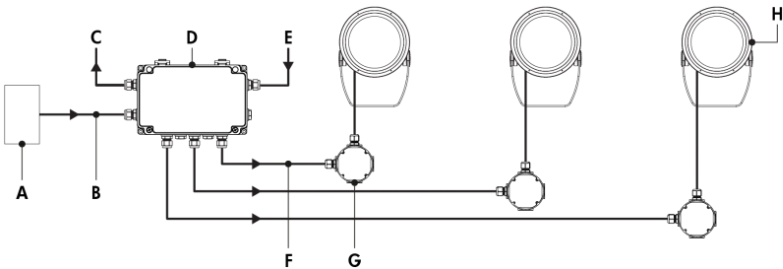
Dim to Warm via 1-10V (DIM/DTW) - wiring detail - CE Class II



- 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)

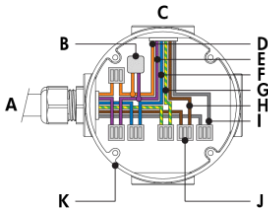
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 1-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 28 watts per fixture.

Star Layout (Dim to Warm via DMX/RDM1* or 3-channel DMX/RDM)
*Available for DWW version only, 2700K to 2200K



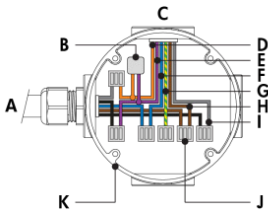
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (wiring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

Star Layout (DMX/RDM1 or 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/RDM1 or 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)

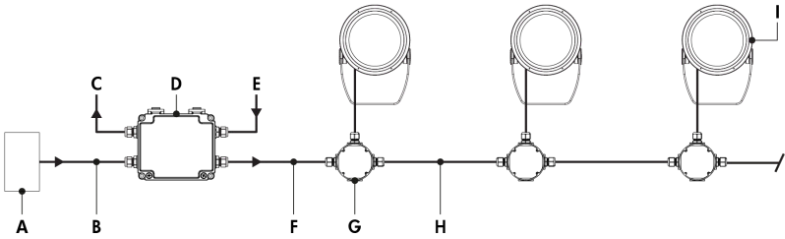
Maximum fixture count per run

Configuration/Voltage	120V	208V	240V	277V
LBM	29	32	32	32

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

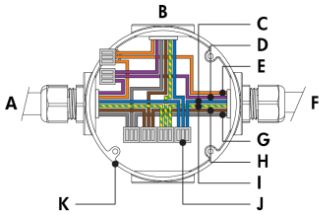
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- 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.
- 28 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



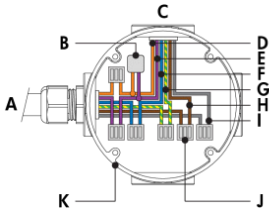
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (wiring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

Daisy Chain Layout (DMX/RDM1 or DMX/RDM) - wiring detail (first or middle of run) - CE



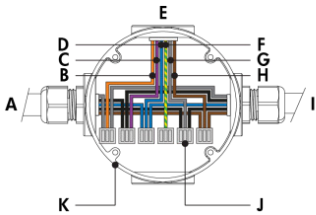
- A - From CBX or previous fixture
- B - To fixture
- C - Neutral
- D - Data +
- E - Data -
- F - To next fixture
- G - Signal common
- H - Line
- I - Ground
- J - Terminal connector (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM1 or DMX/RDM) - wiring detail (end of run) - CE



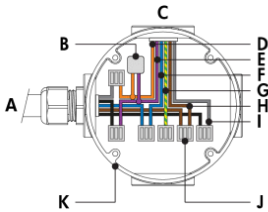
- A - From CBX or previous fixture
- B - Lumenterminator
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground
- H - Line
- I - Signal common
- J - Terminal connector (by others)
- K - Junction box (by others)

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

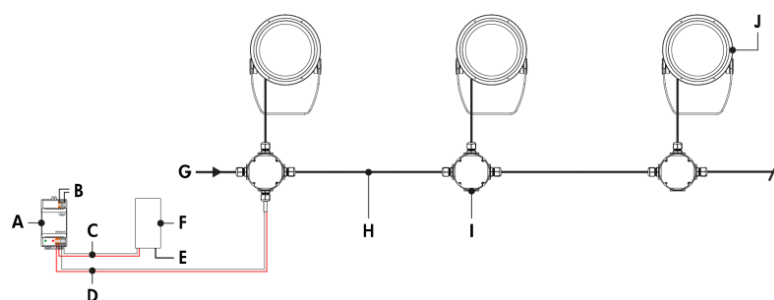
Maximum fixture count per run

Configuration/Voltage	120V	208V	240V	277V
LBM	29	32	32	32

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

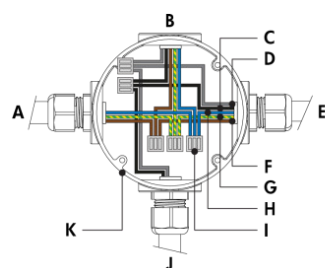
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled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

DAI-2 dimming Type 8 (DALI8)



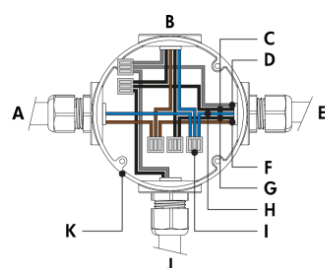
- A** - DALI bus power supply (by others)
- B** - Power input for DALI bus power supply (wiring by others)
- C** - Data output to DALI controller (wiring by others)
- D** - Data output to fixture (wiring by others)
- E** - Power input for DALI controller (if required, wiring by others)
- F** - DALI controller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

DALI-2 dimming Type 8 (DALIT8) - 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-2 dimming Type 8 (DALI8) - 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.
- 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.
- 28 watts per fixture.

How to order

Housing	Voltage	Colour and Colour Temperature	Optics	Optical Option (2) (4)	Finish	Control (8) (10)	Options	Certification	Cable Length (12) (17)	Cable Colour
LBM Lumenbeam™ Medium	100 100 volts	DWW Dynamic warm white (2200K to 3000K) DWH Dynamic white (2700K to 6500K)	VN Very Narrow 6° (1)	LSLH Linear spread lens horizontal distribution (3)	BK Black Sandtex®	DIM/DTW Dim to Warm via 1-10V (2700K to 2200K) (9) DMX/RDM1 Dim to Warm via single-channel DMX/RDM (2700K to 2200K) (9) (11) (12) DMX/RDM 3-channel colour temperature control via DMX/RDM (11) (12) DALI8 DALI-2 dimming Type 8 (13)	SY Short Yoke 3GV 3G ANSI C136.31-2010 Vibration Rating for bridge applications CRC Corrosion-resistant coating for hostile environments (14) (15)	UL UL compliant (16) CE CE compliant CEII CE compliant Class II double insulated	1M 1 m (12) (17) 5M 5 m 10M 10 m 15M 15 m 20M 20 m 30M 30 m	BK Black WH White (18)
	120 120 volts		NS Narrow Spot 10° (1)	LSLV Linear spread lens vertical distribution (3)	BRZ Bronze Sandtex®					
	208 208 volts		NF Narrow Flood 20° (1)		SI Silver Sandtex®					
	220 220 volts		M Medium 30° (1)		WH Smooth white					
	240 240 volts		FL Flood 40° (1)		BKTX Textured black					
	277 277 volts		WFL WF 60° (1)		BRZTX Textured bronze non-metallic					
			NAS Narrow Asymmetric (1)		GRATX Textured medium grey					
			WW Asymmetric Wallwash (1)		GRNTX Textured green					
					WHTX Textured white					
					CC Custom colour and finish (please specify RAL colour) (5) (6) (7)					

- Notes:
1. Factory installed, not interchangeable on site.

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

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

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

5. 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.

6. Setup charges apply for RAL colours. Consult factory for details.

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

8. Lumentalk system is enabled with LDB-DMX accessory. DMX/RDM must be specified in the order code. See the typical wiring diagrams in the specification sheet for details.

9. Available for DWW colour temperature option only.

10. A Lumentranslator 2 (LTL2) and LumentalkID (LIDL1) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

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

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

13. DALI-2 Type 8 controller required, provided by others.

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 North American specification sheets and installation instructions for UL wiring information.

17. 1 m cable length is standard unless otherwise specified.

18. Not available with CE or CEII certification options.