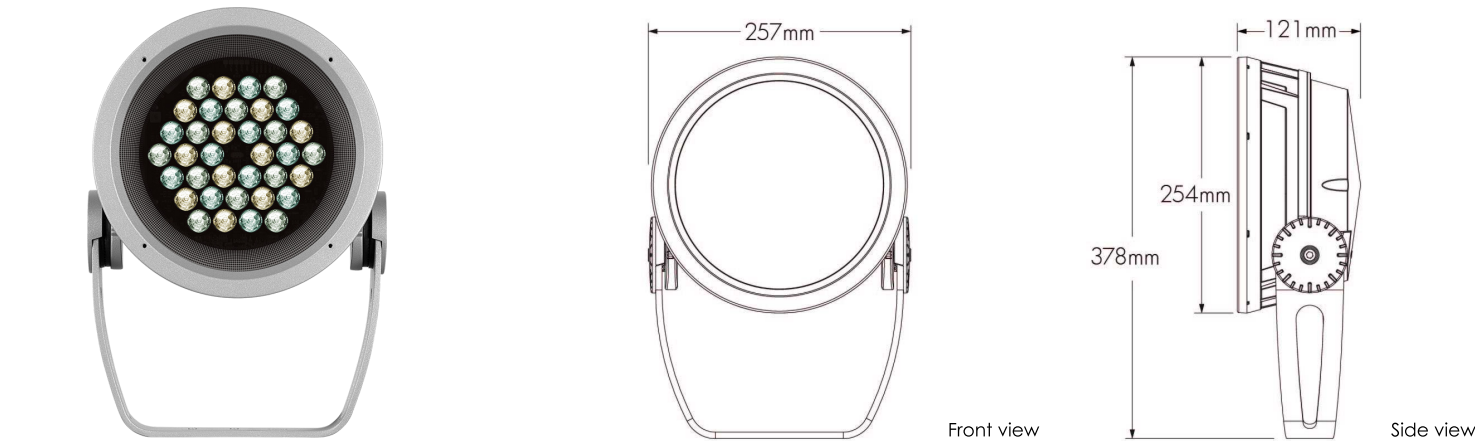


Project Name

Qty

Type

Catalog / Part Number

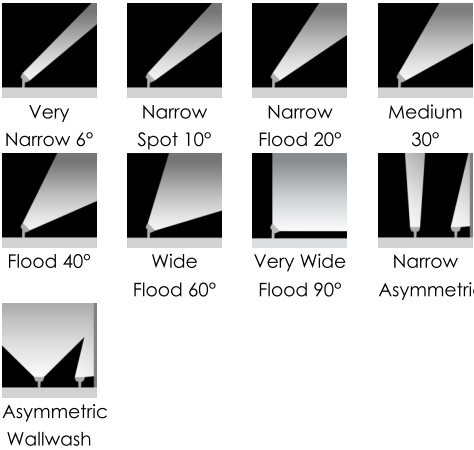


Photometric Summary

Symmetric		
	Delivered output (lm)	Intensity (peak cd)
VN (6°)	3,335	173,787
NS (10°)	3,570	126,603
NF (20°)	3,522	33,089
M (30°)	3,233	14,616
FL (40°)	3,037	7,496
WFL (60°)	2,525	2,622
Asymmetric		
NAS	3,711	57,155 (@2.5°)
WW	3,071	13,650 (@5°)

Based on DWH full output, DMX/RDM 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 Large 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	DWW: Dynamic Warm White (2200K to 3000K), DWH: Dynamic White (2700K to 6500K)
Optics (Nominal Distribution)	VN: VN (6°), NS: NS (10°), NF: NF (20°), M: M (30°), FL: FL (40°), WFL: WFL (60°), VWFL: VWFL (90°), NAS: NAS (Narrow Asymmetric), WW: WW (Asymmetric Wallwash)
Optical Option	LSLH: Linear Spread Lens Horizontal Distribution, LSLV: Linear Spread Lens Vertical Distribution
Option	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	50 W
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output	2,872 lm (DWW full output, NAS, DMX/RDM) 3,711 lm (DWH full output, NAS, DMX/RDM)
Maximum Delivered Intensity	134,511 cd at nadir (DWW full output, VN 6°, DMX/RDM) 173,787 cd at nadir (DWH full output, VN 6°, DMX/RDM)
Illuminance at Distance	Minimum 1 lx at 368 m (DWW full output, VN 6°, DMX/RDM) Minimum 1 lx at 419 m (DWH full output, VN 6°, DMX/RDM)
Lumen Maintenance	L70 B50 120,000 hrs (Ta 25 °C)

Colour and Colour Temperature



Dynamic Warm White
(2200K to 3000K)



Dynamic White
(2700K to 6500K)

Control

DIM/DTW

DMX/RDM1

DMX/RDM





Ratings

IP66 IK10

Certifications















Physical

Housing Material	Low copper content high pressure die-cast aluminium
Yoke Material	Heavy aluminium (standard yoke included)
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	5.44 kg
EPA	Front = 0.06 m², Side = 0.02 m²

Electrical and Control

Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	3C: 3 x 1,5 mm² (LT control) 5C: 5 x 1,5 mm² (DIM/DTW, DALIT8 control) 6C: 3 x 1,5 mm²/ 3 x 0,20 mm² (DMX/RDM1, DMX/RDM control)
Inrush Current (Peak)	55A @230VAC
Control	Lumentalk, 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 T8 Control
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Dynamic Warm Colour Temperature Mixing	36 LEDs (12x 2200K, 12x 2700K, 12x 3000K)
Dynamic White Colour Temperature Mixing	36 LEDs (12x 2700K, 12x 4000K, 12x 6500K)

Environmental

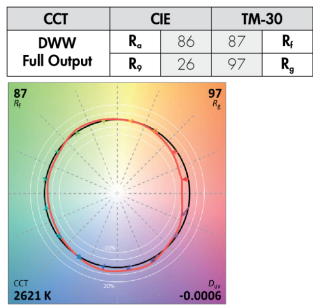
Storage Temperature	-40 °C to 70 °C (device must reach start-up temperature value before operating)
Start-up Temperature	-25 °C to 50 °C
Operating Temperature	-40 °C to 50 °C
Ingress Protection Rating	IP66
Impact Resistance Rating	IK10

Accessories (Order Separately)

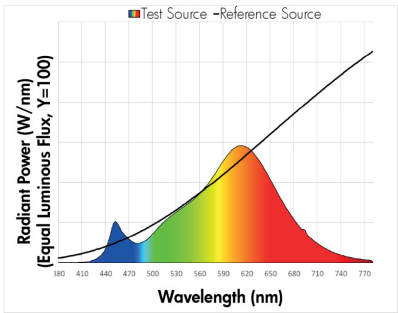
Optical Accessories	LBLSN: Lumenbeam Large Snoot, LBLSNW: Lumenbeam Large Snoot Wide, LBLVS: Lumenbeam Large Visor, LBLLSLA: Lumenbeam Large Linear Spread Lens Adjustable, LBLWG: Lumenbeam Large Wire Guard, LBOLDM: Lumenbeam Large Dome Lens
Control Boxes	DMX/RDM enabled (Daisy Chain or Star Configuration),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

Chromaticity Data

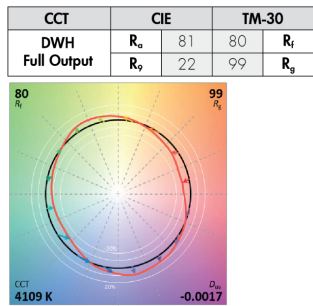
TM-30 - DWW



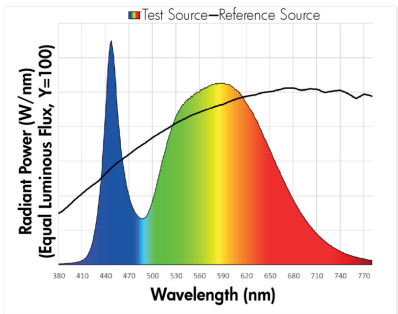
DWW Spectral Power Distribution



TM-30 - DWH

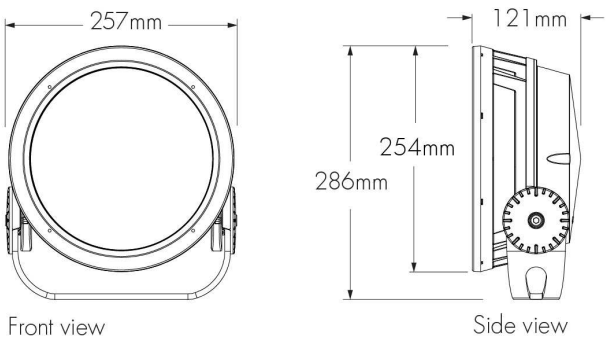


DWH Spectral Power Distribution

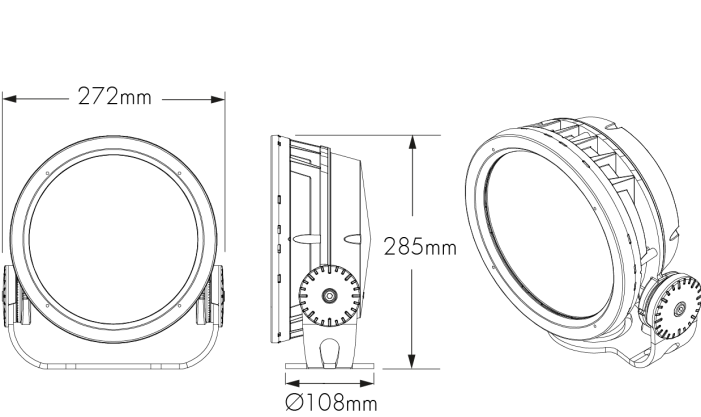


Mounting Options

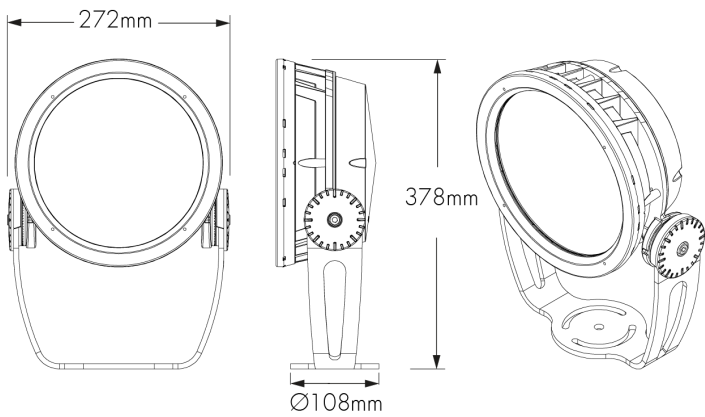
SY - Short Yoke



SRY - Short Rotational Yoke

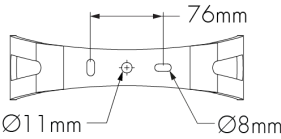


RY - Rotational Yoke



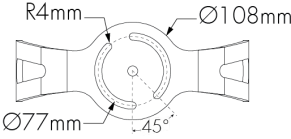
Mounting Details

Mounting Hole Pattern - Standard And Short Yoke



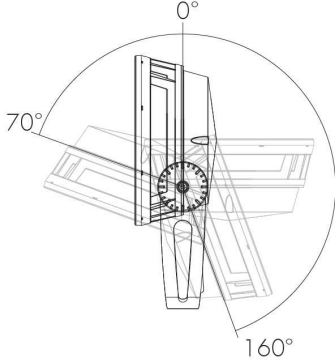
3 bolts are required for wind and vibration resistance, provided by others.

Mounting Hole Pattern - Rotational Yoke

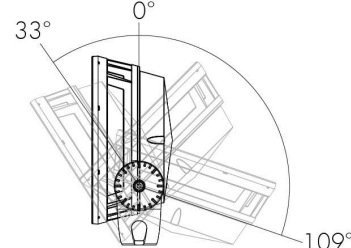


3 bolts are required for wind and vibration resistance, provided by others.

Adjustable Pivot Limits



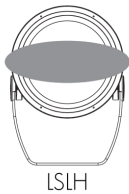
Standard yoke



Short yoke

Optical Options

LSLH - Linear Spread Lens Horizontal Distribution



LSLH - Linear spread lens horizontal distribution

LSLV - Linear Spread Lens Vertical Distribution



Beam Angles

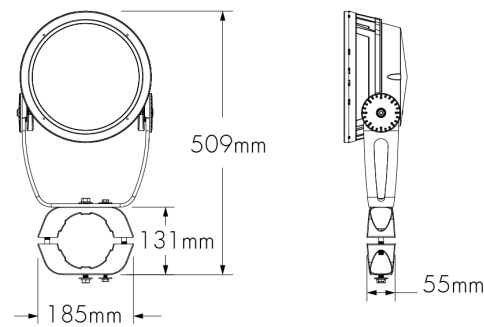
Optic installed in fixture	Beam angle with LSLH/LSLV
VN	7° x 60°
NS	13° x 66°
NF	16° x 62°
M	23° x 65°
FL	33° x 70°

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

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



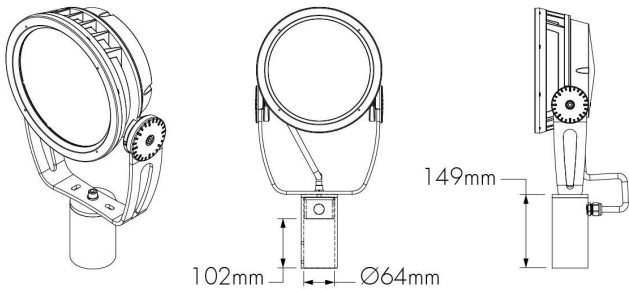
PM4-1, PM4.5-1, PM5-1 - Round pole mounting accessory - single fixture

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

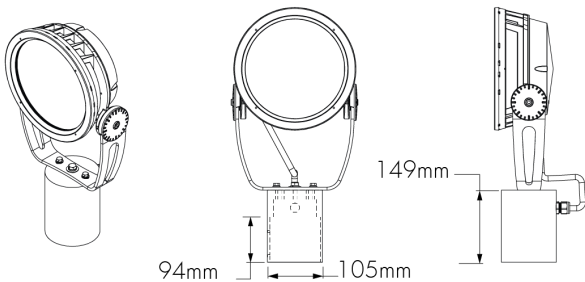
	PM4	PM4.5	PM5
For pole Ø	101.6mm ± 1.6mm	114.3mm ± 1.6mm	127mm ± 1.6mm

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.

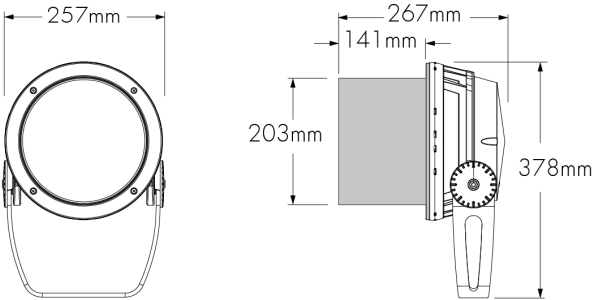


TN4 - Tenon adapter to fit on 102 mm O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.

Optical Accessories (Order Separately)

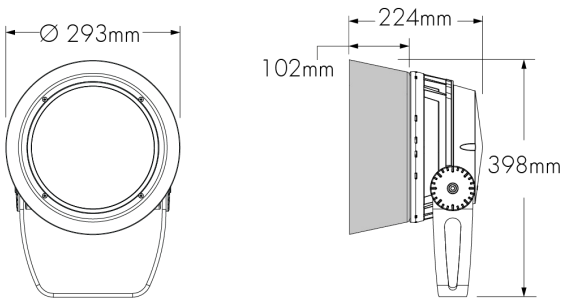
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

SN - Snoot



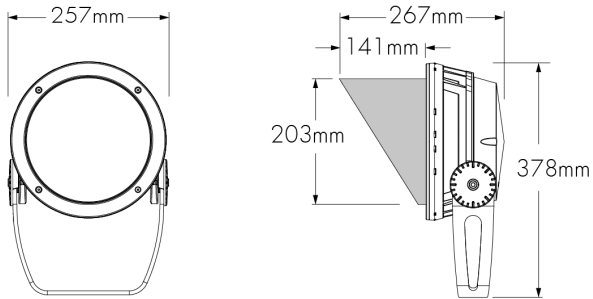
LBSN-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

SNW - Snoot Wide



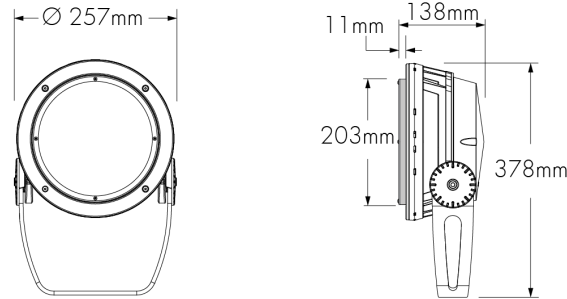
LBLSNW-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

VS - Visor



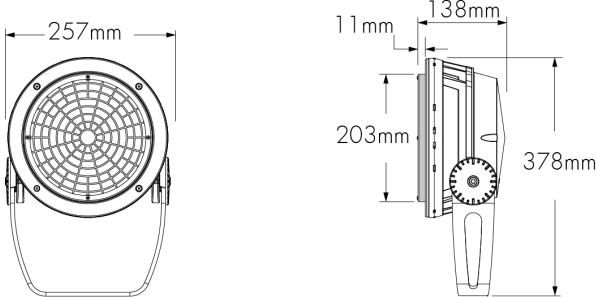
LBVVS-FINISH-BK-OPTIONS (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

LSLA - Linear Spread Lens Adjustable



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

WG - Wire Guard



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

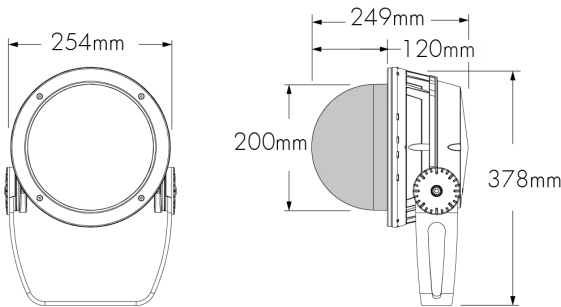
Accessory Combinations

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

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

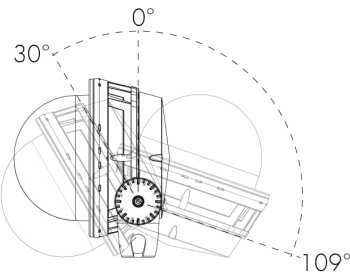
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

DM - Dome Lens

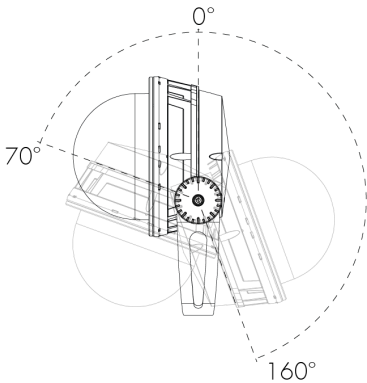


LBLDM-**FINISH-OPTIONS** (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

Dome - Short Yoke - Pivot limits



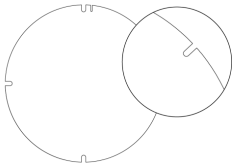
Dome - Standard Yoke - Pivot limits



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.

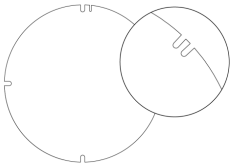
Diffuser Lenses (Intended for Mockup Purposes Only, Order Separately)

Diffuser Lens 1 (1 Notch)



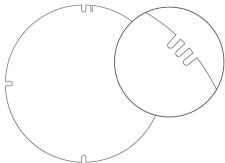
147677

Diffuser Lens 2 (2 Notches)



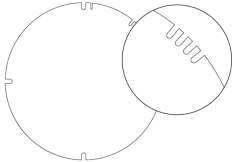
147678

Diffuser Lens 3 (3 Notches)



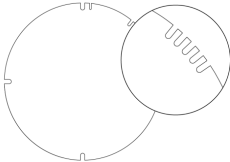
147679

Diffuser Lens 4 (4 Notches)



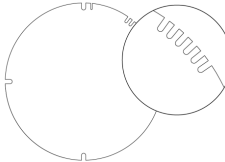
147680

Diffuser Lens 5 (5 Notches)



147681

Diffuser Lens 6 (6 Notches)



147682

Final Distribution Using Diffuser Lenses

	Final Distribution Using Diffuser Lens					
Original Distribution on Fixture	Diffuser Lens 1 1 Notch	Diffuser Lens 2 2 Notches	Diffuser Lens 3 3 Notches	Diffuser Lens 4 4 Notches	Diffuser Lens 5 5 Notches	Diffuser Lens 6 6 Notches
XN (4°/5°)	VN	NS	NF	M	FL	WFL
VN (6°)	NS					
NS (10°)						
NF (20°)						
M (30°)			FL	WFL		
FL (40°)						
WFL (60°)				VWFL		
VWFL (90°)						

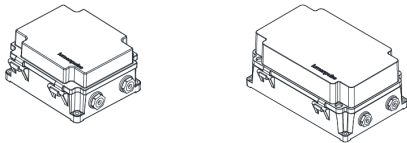
Choose a diffuser lens based on the desired final beam distribution. Refer to the 6-digit part numbers above to order diffuser lenses individually. To order a complete set of 6 diffuser lenses in a bag, refer to the following item names: **LBS**: LBALK-S **LBM/LBMP**: LBALK-M **LBL/LBLP**: LBALK-L **LBG/LBGP**: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

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

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

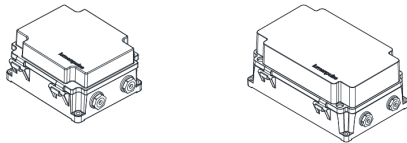
Control Boxes (Order Separately)

CBX-DMX/RDM - DMX/RDM Enabled (Daisy Chain or Star Configuration)



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

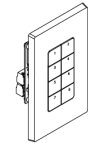
CBX-ENET - Ethernet Enabled (Daisy Chain or Star Configuration)



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

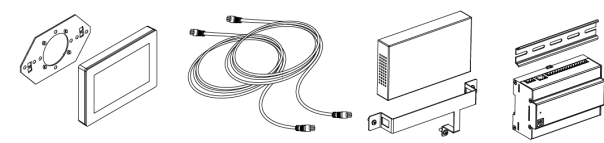
Control Systems (Order Separately)

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

	LBL 	LBL with Snoot 	LBL with Visor 	LBL with Snoot Wide 	LBL with Dome Lens 
EPA front (m²)	0.060	0.060	0.060	0.094	0.060
EPA side (m²)	0.020	0.044	0.044	0.042	0.016

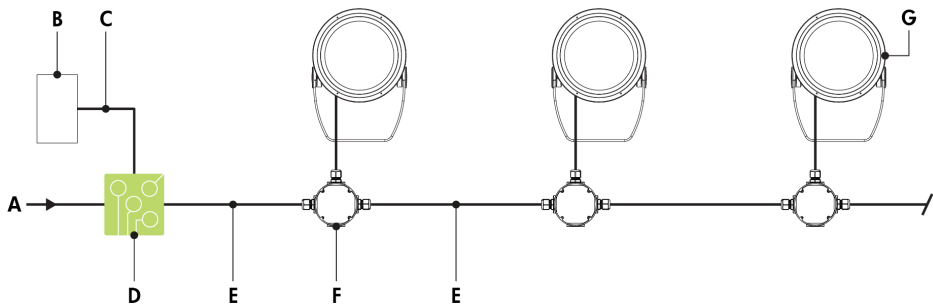
Typical Wiring Diagrams

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)

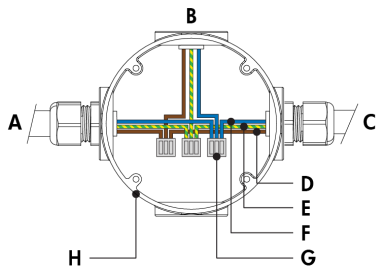
CE Class II Colour Code		USE
All other controls	DMX/RDM	
Brown	Brown	Line
Blue	Blue	Line/Neutral
Black 1	Grey	Signal common (DMX/RDM only)
Black 2	Black or Purple	1-10V / Data +
Grey	Grey or Orange	1-10V / Data -
N/A	Yellow/Green	Ground (do not connect)

Lumentalk (LT)



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

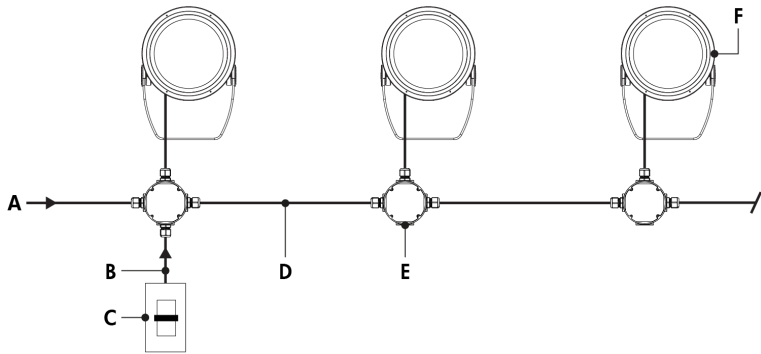
Lumentalk (LT) - Wiring Detail - CE



- 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)

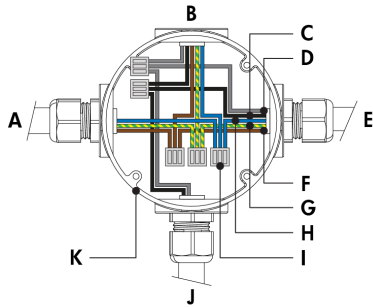
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third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

Dim to Warm Via 1-10V (DIM/DTW*)
*Available For DWW Version Only, 2700K To 2200K



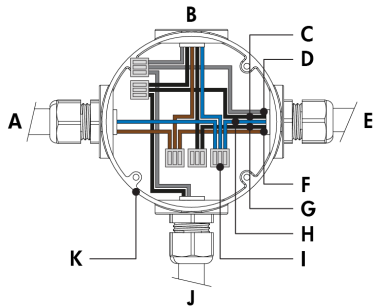
- A - Power input (100-277V AC, wiring by others)
- B - Data wiring (by others)
- C - Dimmer (by others)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - Lumenbeam Large

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)

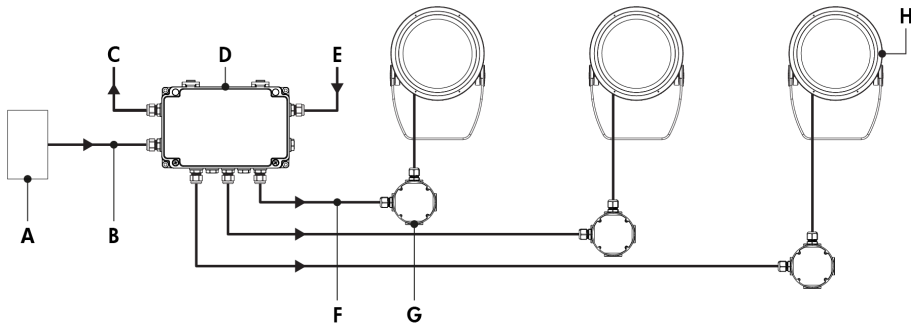
Dim To Warm Via 1-10V (DIM/DTW) - Wiring Detail - CE Class II



- 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)

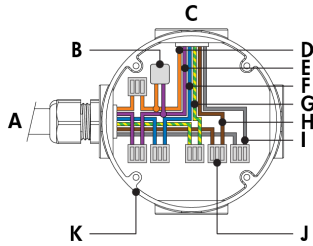
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 1-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 50 watts per fixture.

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



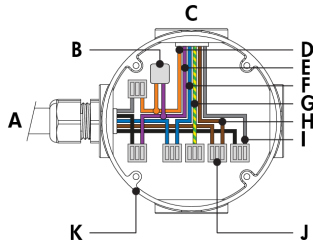
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (by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

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)

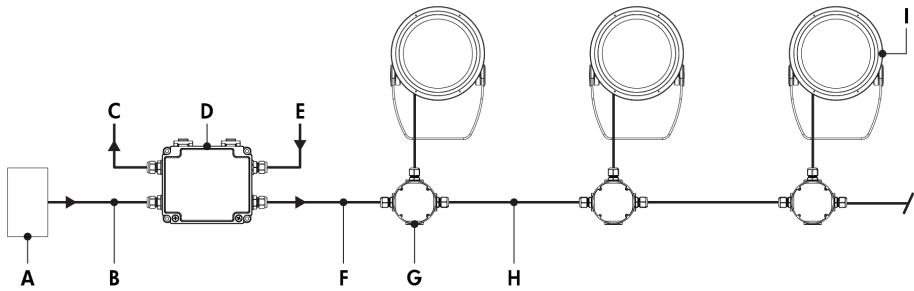
Maximum Fixture Count Per Run

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

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

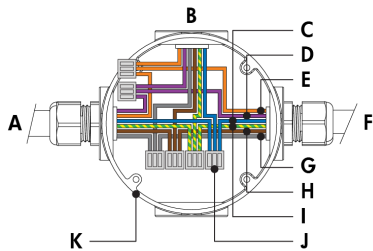
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled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

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



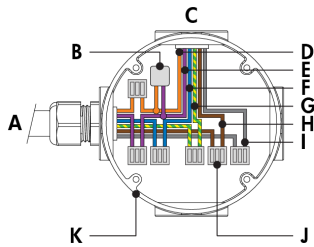
- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (100-277V AC, wiring by others)
- F - Power and data output to fixture (wiring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

Daisy Chain Layout (DMX/RDM1 or DMX/RDM) - Wiring Detail (First or Middle of Run) - CE



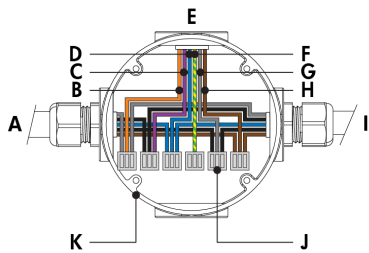
- A - From CBX or previous fixture
- B - To fixture
- C - Neutral
- D - Data +
- E - Data -
- F - To next fixture
- G - Signal common
- H - Line
- I - Ground
- J - Terminal connector (by others)
- K - Junction box (by others)

Daisy Chain Layout (DMX/RDM1 or DMX/RDM) - Wiring Detail (End of Run) - CE



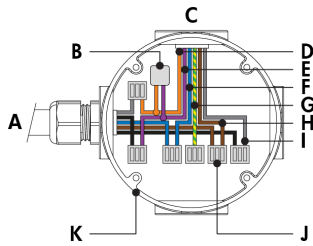
- A - From CBX or previous fixture
- B - Lumenterminator
- C - To fixture
- D - Data -
- E - Data +
- F - Neutral
- G - Ground
- H - Line
- I - Signal common
- J - Terminal connector (by others)
- K - Junction box (by others)

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)

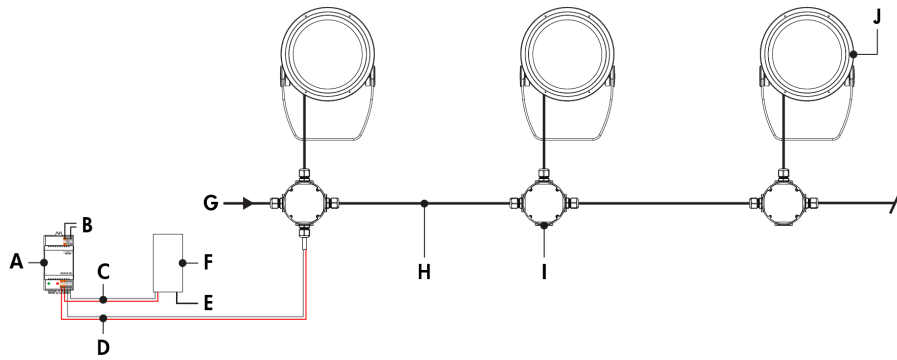
Maximum Fixture Count Per Run

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

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

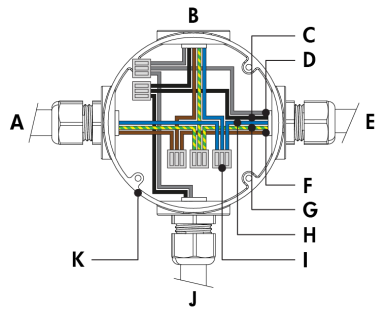
- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Run length calculations are based on a voltage drop of no more than 25V.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled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

DALI 2 T8 (DALIT8)



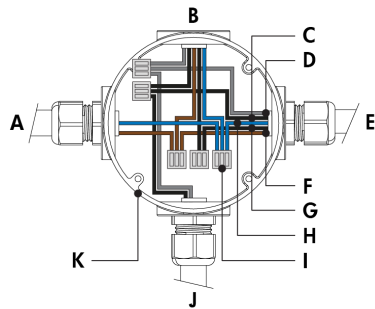
- A** - DALI bus power supply (by others)
- B** - Power input for DALI bus power supply (wiring by others)
- C** - Data output to DALI controller (wiring by others)
- D** - Data output to fixture (wiring by others)
- E** - Power input for DALI controller (if required, wiring by others)
- F** - DALI controller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

DALI 2 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 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.
- 50 watts per fixture.

How to Order

Housing	Voltage	Colour and Colour Temperature	Optic	Optical Option ⁽⁴⁾ ⁽⁶⁾	Finish	Control	Option	Certification	Cable Length ⁽¹⁴⁾ ⁽²⁰⁾	Cable Colour
LBL Lumenbeam™ Large	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 ⁽⁵⁾ LSLV Linear Spread Lens Vertical Distribution ⁽⁵⁾	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 ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾	LT Lumentalk ⁽¹⁰⁾ ⁽¹¹⁾ DIM/DTW Dim to Warm via 1-10V (2700K to 2200K) ⁽¹²⁾ DMX/RDM1 Dim to Warm via Single-Channel DMX/RDM (2700K to 2200K) ⁽¹²⁾ ⁽¹³⁾ ⁽¹⁴⁾ DMX/RDM 3-Channel Colour Temperature Control via DMX/RDM ⁽¹³⁾ ⁽¹⁴⁾ DALIT8 DALI 2 T8 Control ⁽¹⁵⁾	SY Short Yoke SRY Short Rotational Yoke ⁽¹⁶⁾ RY Rotational Yoke ⁽¹⁶⁾ 3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications CRC Corrosion-Resistant Coating ⁽¹⁷⁾ ⁽¹⁸⁾	UL UL Compliant ⁽¹⁹⁾ CE CE Compliant CEII CE Compliant Class II Double Insulated	1M 1 m ⁽¹⁴⁾ ⁽²⁰⁾ 5M 5 m 10M 10 m 15M 15 m 20M 20 m 30M 30 m	BK Black WH White ⁽²¹⁾
	120 120 Volts		NS Narrow Spot 10° ⁽¹⁾							
	208 208 Volts		NF Narrow Flood 20° ⁽¹⁾							
	220 220 Volts		M Medium 30° ⁽¹⁾							
	240 240 Volts		FL Flood 40° ⁽¹⁾							
	277 277 Volts		WFL Wide Flood 60° ⁽¹⁾ ⁽²⁾							
			VWFL Very Wide Flood 90° ⁽¹⁾ ⁽³⁾							
			NAS Narrow Asymmetric ⁽¹⁾							
			WW Asymmetric Wallwash ⁽¹⁾							

Notes:

1. Factory installed, not interchangeable on site.
2. A dome lens accessory is available, order separately. For compatibility, a WFL optic must be specified for the fixture.
3. Consult factory for photometric performance.
4. Optical options are factory installed and cannot be changed in the field.
5. Field adjustable spread lens optical accessory available, order separately.
6. Not available with WFL, VWFL, NAS and WW optics.
7. 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.
8. Setup charges apply for RAL colours. Consult factory for details.
9. Longer lead times can be expected for custom RAL colour finishes.
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. Not available with Class II double insulated option.
12. Available for DWW colour temperature option only.
13. A control box (CBX) and LumenID (LID) must be specified.
14. Maximum of 1 m cable length for daisy chain DMX applications with CBX-DS.
15. DALI T8 controller required, provided by others. DALI2 T8 control uses a single DALI short address.
16. Consult factory for applications with 3GV requirements.
17. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
18. Setup charges apply. Consult factory for details.
19. Consult North American specification sheets and installation instructions for UL wiring information.
20. 1 m cable length is standard unless otherwise specified.
21. Not available with CE or CEII certification options.